



CURRICULUM

(Academic Year 2023-25)

PROGRAM NAME

BACHELOR OF ARTS

(BA)

PROGRAM CODE

01

DEPARTMENT OF ARTS

AKS UNIVERSITY, SATNA [M.P.]

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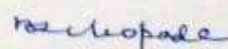


HOD
Department of Arts

HOD
DEPARTMENT OF ARTS
AKS UNIVERSITY, SATNA (M.P.)



DEAN
Faculty of Social Science and Humanities
AKS UNIVERSITY, SATNA (M.P.)



Vice Chancellor

Professor B.A. Chopade
Vice-Chancellor
AKS University
Satna, 485001 (M.P.)

FORWARDING

I am delighted to observe the updated curriculum of the Department of Arts for BA Computer Program, which seamlessly integrates the most recent trends and corporate affairs in the field of Social Science and adheres to the guidelines set forth by UGC and HED. The revised curriculum also thoughtfully incorporates the directives of NEP2020.

The alignment of course outcomes (COs), Programme Outcome (POs) and Programme specific outcomes (PSOs) has been intricately executed, aligning perfectly with the requisites of NEP-2020 and NAAC standards. I hold the belief that this revised syllabus will significantly enhance the skills and employability of our students.

With immense satisfaction, I hereby present the revised curriculum for the BA program for implementation in the upcoming session.

01-August-2023

ER. ANANT SONI
Pro Chancellor & Chairman
AKS University,
Satna

FROM THE DESK OF THE VICE-CHANCELLOR



AKS University is currently undergoing a process to revamp its curriculum into an outcome-based approach, with the aim of enhancing the teaching and learning process. The foundation of quality education lies in the implementation of a curriculum that aligns with both societal and industrial needs, focusing on relevant outcomes. This entails dedicated and inspired

Faculty members, as well as impactful industry internships

Hence, it is of utmost importance to begin this endeavour by crafting an outcome-based curriculum in collaboration with academia and industry experts. This curriculum design should be informed by the latest technological advancements, market demands, the guidelines outlined in the National Education Policy (NEP) of 2020, and sustainable goals.

I'm delighted to learn that the revised curriculum has been meticulously crafted by the Department of Arts, in consultation with an array of experts from the industry, research institutes, and academia. This curriculum effectively integrates the principles outlined in the NEP-2020 guidelines, as well as sustainable goals. It also adeptly incorporates the latest advancements in the field of Social Science.

Furthermore, the curriculum takes into account the specific needs of the Indian Industries, focusing on the creation of effective and efficient Social Scientists as well as entrepreneurs. This curriculum will not only impart knowledge but also encourages students' independent thinking for potential enhancements in the area of Social Science

The curriculum goes beyond theoretical learning and embraces practical applications. To enhance students' skills, the curriculum integrates industrial visits, and On-Job Training experiences, research projects. This well-rounded approach ensures that students receive a comprehensive education, fostering their skill development and preparing them for success in the field of Social Science.

I am confident that the updated curriculum for Department of Arts will not only enhance students' skills and also contribute significantly to their employability. During the process of revising the curriculum, I am pleased to observe that the Department of Arts has diligently adhered to the guidelines provided by the UGC and HED. Additionally, they have maintained a total credit requirement of 160 for the BA Economics program.

It's worth noting that curriculum revision is an ongoing and dynamic process, designed to address the continuous evolution of educational advancements and both local and global concerns. This ensures that the curriculum remains responsive and attuned to the changing landscape of education and industry.

AKS University warmly invites input and suggestions from industry experts and technocrats and Alumni students to enhance the curriculum and make it more student-centric. Your valuable insights will greatly contribute to shaping an education that best serves the needs and aspirations of our students.

PROFESSOR B.A. CHOPADE

*Vice-Chancellor
AKS University, Satna
01-August-2023*

PREFACE

As part of our commitment to ongoing enhancement, the Department of Arts consistently reviews and updates its BA Economics program curriculum every three years. Through this process, we ensure that the curriculum remains aligned with the latest managerial developments, as well as local and global industrial and social demands.

During this procedure, the existing curriculum for the BA Computer

Program undergoes evaluation by a panel of industry specialists, and academicians. Following meticulous scrutiny, the revised curriculum has been formulated and is set to be implemented starting from August 01, 2023. This implementation is contingent upon the endorsement of the curriculum by the University's Board of Studies and Governing Body.

This curriculum closely adheres to the HED model syllabus distributed in May 2023. It seamlessly integrates the guidelines set forth by the Ministry of Higher Education, Government of India, through NEP- 2020, as well as the principles of Sustainable Development Goals. In order to foster the holistic skill development of students, a range of practical activities, including Industrial Visits, Project planning and execution, Report Writing, Seminars, and Industrial On-Job Training, have been incorporated. Furthermore, in alignment with HED directives, the total credit allocation for the BA Economics program is capped at 160 credits.

This curriculum is enriched with course components in alignment with HED guidelines, encompassing various disciplines such as Economics Core Courses: 48 credits, Social Science Minor Courses: 32 credits ,Open Elective 16 credits Ability Enhancement Course 2 credits Skill Development Courses 12 Credits, Sustainable Development Goal: 2 Credits, Indian Knowledge Systems: 2 Credits, Environmental Studies: 2 Credits, Economics Elective 16 credits ,Project and Practical Training: 28 Credits. To ensure a comprehensive learning experience, detailed evaluation schemes and rubrics have also been meticulously provided.

For each course, a thorough mapping of Course Outcomes, Program Outcomes, and Program Specific Outcomes has been undertaken. As the course syllabus is being meticulously developed, various elements such as session outcomes, laboratory instruction, classroom instruction, self-learning activities, assignments, and mini projects are meticulously outlined.

We hold the belief that this dynamic curriculum will undoubtedly enhance independent thinking, skills, and overall employability of the students.

01-August-2023

Professor (Dr.) Harshwardhan Shrivastava
Dean, Faculty of Social Science and Humanities
AKS University, Santa

Introduction:

AKS University proudly stands as a pioneer, being the first in the nation to introduce a comprehensive 3-year BA program back in 2020. This innovative curriculum has been meticulously crafted to align with the dynamic needs of the software industry and the most current technological advancements. Currently, a vibrant community of 100 plus students is actively engaged in pursuing their BA within this department. The Arts department boasts cutting-edge laboratories that serve as hubs for immersive hands-on training, enabling students to delve into practical applications of their learning. The program incorporates both in-industrial training and sandwich internship training, vital components that enrich the educational journey. Distinguished by a faculty composed of software industry experts who bring with them a wealth of industrial experience; the department combines robust classroom instruction with practical and industrial acumen. This unique blend empowers our students to confidently contribute to industrial training and make a significant impact in the field.

Vision:

To conduct its key programs and activities in a unique manner that promotes excellence and leadership in education, research, innovation in software technology and fosters an environment that is safe, highly productive, cooperative and collegial, and dedicated to continual improvement.

Mission:

- M 01:** Achieve academic excellence in Computer Technology through an innovative teaching-learning process.
- M 02:** Application of sustainable faster technology in software development without compromising quality.
- M 03:** Inculcate technical competence and collective discipline in students to excel for software development industries, higher education and societal needs.
- M 04:** Establish focus research groups in leading areas of computer technology for optimization of software complexity in software development and industrial needs.

Program Educational Objectives

- PEO1. Excel in professional career and/or higher education by acquiring knowledge in mathematical, computing and engineering principles.
- PEO2. Analyze real life problems, design computing systems appropriate to its solutions that are technically sound, economically feasible and socially acceptable.
- PEO3. Exhibit professionalism, ethical attitude, communication skills, team work in their profession and adapt to current trends by engaging in lifelong learning.

Program Outcomes

PO1

Engineering knowledge: Upon completion of the BA program, students should be able to demonstrate technical competence in computer applications. They should be able to develop and implement software solutions using various programming languages and tools, and understand the underlying concepts and principles of computer applications.

PO2

Problem Solving: BA graduates should be able to identify, analyze, and solve problems related to computer applications. They should be able to apply their technical knowledge to develop effective solutions to real-world problems in various domains, including business, healthcare, education, and entertainment.

PO3

Communication: BA graduates should be able to communicate effectively with stakeholders in their respective fields. They should be able to articulate technical concepts and solutions to non-technical audiences and collaborate with other professionals to develop solutions that meet the needs of their clients.

PO4

Carry out investigations into complicated issues: To come to reliable findings, use research-based knowledge and research techniques, such as experiment design, data analysis and interpretation, and information synthesis.

PO5

Designing/developing solutions: Designing system components or processes that match the required needs while taking into account public health and safety, as well as cultural, socioeconomic, and environmental factors, is important when solving complex engineering challenges.

PO6

Use of modern tools: Develop, pick, and apply appropriate methods, resources, and modern engineering and IT tools, such as modelling and prediction, to complicated engineering tasks while being aware of their limitations.

PO7

Environment and sustainability: Understand how professional engineering solutions will affect society and the environment, and show that you are aware of the importance of sustainable development.

PO8

Ethics: Adhere to professional ethics, obligations, and standards of engineering practice. Apply ethical concepts.

PO9

Individual and teamwork: Work well both individually and as a member or leader in teams made up of people from different disciplines.

- PO10 **Communication:** Be able to effectively communicate with the engineering community and society at large about complicated engineering operations. Examples of this include being able to understand and write effective reports and design documentation, deliver effective presentations, and give and receive clear directions.
- PO11 **Project management and finance:** Exhibit knowledge of, and a grasp of, engineering and management principles and apply them to one's own work, as a team member and leader, to manage projects, and in interdisciplinary settings.
- PO12 **Lifelong Learning:** BA graduates should be committed to lifelong learning and professional development. They should be able to adapt to new technologies and tools, and continue to build their knowledge and skills throughout their careers. They should also be able to critically evaluate new developments in the field and incorporate them into their work.

Program Specific Outcomes

- PSO1 Being able to comprehend and put knowledge of software application analysis, design, and development to use.
- PSO2 Apply knowledge and skills for computer practice while upholding social, ethical, and legal principles.
- PSO3 The capacity to work with cutting-edge computing systems and pursue employment in the IT sector, including consulting, research and development, education, and related fields.

CONSISTENCY/MAPPINGS OF PEOs WITH MISSION OF THE DEPARTMENT

PEOs	M-1	M-2	M-3
PEO 1	3	2	3
PEO 2	3	2	2
PEO 3	2	2	3

Correlation Indices: 1 – Low, 2 – Medium, 3 – High
GENERAL COURSE STRUCTURE & THEME

1. Definition of Credit:

1 Hr. Lecture (L) per week	1 Credit
1 Hr. Tutorial (T) per week	1 Credit
2 Hours Practical (P) per week	1 Credit

2. Range of Credits:

In the light of the fact that a typical Model Four-year Graduate degree program in Arts has about 160 credits, the total number of credits proposed for the four year Bachelor of Arts (economics) is kept as 160 considering NEP-20 and NAAC guideline.

3. Structure of UG Program in Bachelor of business administration (Honour's):

The structure of UG Program in Bachelor of Arts (economics) shall have essentially the following categories of courses with the breakup of credits as given:

COMPONENTS OF THE CURRICULUM

(Program curriculum grouping based on course components)

Sr. No	Course Component	% of total number credits of Program	Total number of Credits
1	Basic Sciences (BSC)	14.20	10
2	Engineering Sciences (ESC)	14.79	15
3	Humanities and Social Sciences (HMSC)	7.10	8
3	Program Core (PCC)	39.05	52
4	Program Electives (PEC)	5.33	6
5	Open Electives (OEC)	5.33	6
6	Project(s) (PRC)/ On Job Training (OJT)	10.06	12
7	Seminar(PSC)	1.78	3
8	Indian Knowledge System	1.18	2
13	Sustainable Development Goal	1.18	2
TOTAL		100%	120

L COURSE STRUCTURE AND CREGENERADIT DISTRIBUTION

Curriculum of BATCHLER OF ARTS

Total Credit: 160

SEMESTER-I		SEMESTER-II	
Course Title	Credit	Course Title	Credit
Major Subject		Major Subject	
Data Processing Software	6:0:0=6	Programming in C Language	6:0:0=6
Data Processing Software -Practical	6:0:0=6	Programming in C Language Practical	6:0:0=6
Minor Subject (Choose anyone)		Minor Subject (Choose anyone)	
Indian economy	6:0:0=6	Micro economics	6:0:0=6
Indian Society and Culture	6:0:0=6	Basic Concepts of Sociology	6:0:0=6
Study of Poetry	6:0:0=6	Study of Drama	6:0:0=6
Applied Poetry	6:0:0=6	Study of Drama	6:0:0=6
Economics of Ancient India (From Early to 1205 AD)	6:0:0=6	Idea of Bharat	6:0:0=6
Indian Constitution	6:0:0=6	Political Theory	6:0:0=6
Choose anyone (Generic Elective)		Choose anyone (Generic Elective)	
Indian Constitution	4:0:0=4	Political Theory	4:0:0=4
Economics of Ancient India (From Early to 1205 AD)	4:0:0=4	Idea of Bharat	4:0:0=4
Study of Poetry	4:0:0=4	Study of Drama	4:0:0=4
Applied Poetry	4:0:0=4	Study of Drama	4:0:0=4
NSS/UCC/NCC Awareness-I	4:0:0=4	NSS /UCC/NCC Training	4:0:0=4
Ability Enhancement		Ability Enhancement	
Sustainable Development Goal	2:0:0=2	Indian Knowledge System (IKS)	2:0:0=2
Communication Skill	2:0:0=2	Environmental Study	2:0:0=2
TOTAL CREDIT	20	TOTAL CREDIT	20

SEMESTER-III

SEMESTER-IV

Course Title	Credit	Course Title	Credit
Major Subject		Major Subject	
DBMS	6:0:0=6	Introduction of ASP.Net	6:0:0=6
DBMS -Practical	6:0:0=6	Introduction of ASP.Net-Practical	6:0:0=6
Minor Subject (Choose anyone)		Minor Subject (Choose anyone)	
DBMS -Practical	6:0:0=6	Introduction of ASP.Net-Practical	6:0:0=6
Basic Concepts of Social Research	6:0:0=6	Social Change and Development	6:0:0=6
Study of Prose	6:0:0=6	Study of Prose	6:0:0=6
Study of Prose	6:0:0=6	Study of Fiction	6:0:0=6
Economics of Medieval India (From 1206 – 1739 AD)	6:0:0=6	Economics of Modern India (from 1740 -1947 Ad)	6:0:0=6
Western Political Thoughts	6:0:0=6	Indian Political Thinkers	6:0:0=6
Choose any one (Generic Elective)		Choose any one (Generic Elective)	
Western Political Thoughts	4:0:0=4	Indian Political Thinkers	4:0:0=4
Economics of Medieval India (From 1206 – 1739 AD)	4:0:0=4	Economics of Modern India (from 1740 -1947 Ad)	4:0:0=4
Study of Prose	4:0:0=4	Study of Fiction	4:0:0=4
Study of Prose	4:0:0=4	Study of Fiction	4:0:0=4
Ability Enhancement		Ability Enhancement	
Digital Marketing	2:0:0=2	Web Designing	2:0:0=2
Digital Marketing -Practical	2:0:0=2	Web Designing -Practical	2:0:0=2
Salesmanship	2:0:0=2	Retail Management	2:0:0=2
Salesmanship -Practical	2:0:0=2	Retail Management -Practical	2:0:0=2
Dairy Management	2:0:0=2	Accounting and Tally	2:0:0=2
Dairy Management -Practical	2:0:0=2	Accounting and Tally -Practical	2:0:0=2
TOTAL CREDIT	20	TOTAL CREDIT	20

SEMEST ER-V	
Course Title	Credit

Major Subject
Operating System
Discipline Specific Elective Subjects-
Organizational behavior
Organizational behavior practical
Programming in JAVA
Programming in JAVA- Practical
Field
Project/Internship/Apprenticeship
TOTAL CREDIT

SEMESTER-VI	
Course Title	Credit
Major Subject	
Multimedia Tools and Applications	6:0:0=6
Discipline Specific Elective Subjects- DSC-1	
Python Programming	4:0:0=4
Python Programming	4:0:0=4
Financial account with tally	
Financial account with tally Practical	4:0:0=4
DSC-2	
Introduction to Cloud Computing	
Introduction to Cloud Computing	
Computer Network & Security	
Financial account with tally practical	4:0:0=4
Field Project/Internship/Apprenticeship	6:0:0=6
TOTAL CREDIT	20

SEMESTER-VII	
Course Title	Credit
Major Subject	
Current trends and technology	6:0:0= 6
Minor Subject	
Theory and computation	
DSE-1-T	
Compiler and Design	
Field	
Project/Internship/Apprenticesh	
TOTAL CREDIT	

SEMESTER-VIII	
Course Title	Credit
Major Subject	
Statical thinking for data science	6:0:0=6
DSE-1-T	
English for research Paper writing	4:0:0=4
Field	
Project/Internship/Apprenticeship	6:0:0=6
TOTAL CREDIT	
20	

Course code and definition:

L	Lectu
T	re
P	Tutori
C	al
	Practi
	cal
	Credit
ECC	Economics Core Course
SSE	Social Science Elective
GE	Open Electrve
SEC	Skill Enhancement Course
AEC	Ability Enhancement Course
SDG	Sustainable Development Goals
IKS	Indian Knowledge System
EVS	Environmental Studies
EEC	Economics Elective Course
PJT	Projects

COURSE LEVEL CODING SCHEME

Three-digit number (odd numbers are for the odd semester courses and even numbers are for even semester courses) used as suffix with the Course Code for identifying the level of the course. Digit at hundred's place signifies the year in which course is offered. *e.g.*

101, 102---for first semester	201, 202---for second semester	301, 302---for third semester
401, 402---for fourth semester	501, 502---for fifth semester	601, 602---for sixth semester
701, 702---for seventh semester	801, 802---for eighth semester	-

CATEGORY-WISE COURSES**Computer Core Course (CCC)**

1. Number of Computer Core Course (CCC): 08, Credits: 48

Sr. No	Code No	Subject	Semester	Credits
1	CCC	Data Processing Software	I	6
2	CCC	Programming in C Language	II	6
3	CCC	Macro Econ	III	6
4	CCC	Introduction of ASP.Net	IV	6
5	CCC	Operating System	V	6
6	CCC	Multimedia Tools and Applications	VI	6
7	CCC	Current trends and technology	VII	6
8	CCC	Statical thinking for data science	VIII	6
Total Credits				48

5. Number of Sustainable Development Goal (SDG): 01, Credits: 2

Sr. No	Code No	Subject	Semester	Credits
1	0SDG01	Sustainable Development Goal	I	2
Total Credits				2

2. Number of Indian Knowledge Systems (IKS): 01, Credits: 2

Sr. No	Code No	Subject	Semester	Credits
1	0IKS02	Indian knowledge Systems	II	2
Total Credits				2

3. Number of Environmental Studies (EVS): 01, Credits: 2

Sr. No	Code No	Subject	Semester	Credits
1	0EVS02	Environmental Studies	II	2
Total Credits				2

COMPUTER ELECTIVE COURSE (CEC)

A student would be free to choose any two papers from one group. The course offers three groups viz. Finance (DSE-I) Marketing (DSE –II), Human Resource (DSE-III)

13. Number of Computer Elective Course (CEC): 04, Credits: 32

Sr. No.	Code No.	Subject	Semester	Credits
COMPUTER GROUP				
1	CEC	Organizational behaviour	V	4:0:0 = 4
2	CEC	Programming in JAVA	V	4:0:0 = 4
3	CEC	Python Programming	VI	4:0:0 = 4
4	CEC	Financial account with tally	VI	4:0:0 = 4
5	CEC	Introduction to Cloud Computing	VI	4:0:0 = 4
6	CEC	Computer Network & Security	VI	4:0:0 = 4
7	CEC	Theory and computation	VII	4:0:0 = 4
8	CEC	Compiler and Design	VII	4:0:0 = 4
9	CEC	English for research Paper writing	VIII	4:0:0 = 4
Total Credit				32

MAJOR PROJECT/ INTERNSHIP / RESEARCH PAPER / SURVEY GROUP (PJT)

13. Number of Project/ Internship / Survey / Research/ Publication / Conference (PJT): 04, Credits: 28

Sr. No	Code No	Subject	Semester	Credits
1	PJT	Internship	V	6
2	PJT	Field Project	VI	6
3	PJT	Minor Research Project	VII	6
4	PJT	Major Research Project	VIII	10
Total Credits				28

INDUCTION PROGRAM

Induction program for students to be offered right at the start of the first year. It is mandatory. AKS University has designed an induction program for 1st year student, details are below:

1. Physical activity
2. Creative Arts
3. Universal Human Values
4. Literary

5. Proficiency Modules
6. Lectures by Eminent speakers
7. Visits to local Areas
8. Familiarization to Dept./Branch & Innovations

MANDATORY VISITS/WORKSHOP/EXPERT LECTURES

1. It is mandatory to arrange one industrial visit every semester for the students.
2. It is mandatory to conduct a One week work shop during the winter break after third semester on professional /industry /entrepreneurial orientation.
3. It is mandatory to organize at least one expert lecture per semester for each branch by expert resource persons from industry.

(Revised as on 01 August 2023)

EVALUATION SCHEME

1. For Theory Courses:


- The weightage of Internal assessment is 50% and;
- End Semester Exam is 50% the student has to obtain at least 40% marks individually both in internal assessment and end semester Exams to pass.

2. For Practical Courses:


- The weightage of Internal assessment is 50% and;
- End Semester Exam is 50%. The student has to obtain at least 40% marks individually both in internal assessment and end semester exams to pass.

3. For Summer Internship/Projects/Seminar etc.: Evaluation is based on work done, quality of report, performance in viva-voce, presentation etc.

Semester	L	T	P	Total Hour	No of Hours Per Sem.	Total Credit
Semester – I	20	0	0	20	20 x 15 = 300	20
Semester – II	20	0	0	20	20 x 15 = 300	20
Semester – III	20	0	0	20	20 x 15 = 300	20
Semester – IV	20	0	0	20	20 x 15 = 300	20
Semester – V	20	0	0	20	20 x 15 = 300	20
Semester – VI	20	0	0	20	26 x 15 = 390	20


A K S  **University**
Faculty of Social and Humanities
Department of Arts
Curriculum of BA/ BA (Hon's) Program
 (Revised as on 01 August 2023)

Semester VII	-	20	0	0	20	20 x 15 = 300	20
Semester VIII	-	20	0	0	20	20 x 15 = 300	20
Total		160	0	0	160	2400	160

A K S  **University**
Faculty of Social and Humanities
Department of Arts
Curriculum of BA/ BA (Hon's) Program
(Revised as on 01 August 2023)

BACHELOR OF ARTS [BA]
Bachelor of Arts (BA- Computer) Batch 2023-27
(New Education Policy)
SEMESTER – I


Sr.	Subject Code	Group	Subject	L (In Hr)	T (In Hr)	P (In Hr)	Total Credit
1	0SDG01	Foundation	Sustainable Development Goal	2			2
2	0SSD02	Foundation	Communication Skill	2			2
Major Subjects- Choose any one Group (Both paper are compulsory)							
Major Group A (Computer Application) Only for BA-Computer							
3	01CA101	Major-1-T	Data Processing Software	4			4
3-P	01CA101-L	Major-1-P	Data Processing Software -Practical			4	2
Minor Subjects- Choose any one				6			6
5	02HI201	Minor- History	History of Ancient India (From Early to 1205 AD)				
	02EC101	Minor- Economics	Indian Economy				
	02EN101	Minor - English Literature	Study of Poetry				
	02EN101-L	Minor -1-P	Applied Poetry			4	2
	02SO101	Minor- Sociology	Indian Society and Culture				
	02PO101	Minor - Political Sc	Indian Constitution				
6	Choose Any one (Open Elective)			4			4
	03PO101	OE- Political Sc	Indian Constitution				
	03SO101	OE- Sociology	Indian Society and Culture				
	03EN101	OE- English Literature	Study of Poetry				
	03EN101-L	OE- English Literature -1- P	Applied Poetry			2	1
	03HI101	OE - History	History of Ancient India (From Early to 1205 AD)				
	03NC103	OE- NCC	NSS/UCC/NCC Awareness-I				
Total Credits				18			20

A K S  **University**
Faculty of Social and Humanities
Department of Arts
Curriculum of BA/ BA (Hon's) Program
 (Revised as on 01 August 2023)

0= Foundation Course, 1= Major Subjects, 1=Minor Subjects,1=Open Elective Subjects,

Bachelor of Arts (BA- Computer)
Batch 2023-27(New Education Policy)
SEMESTER – II

Sr .	Subject Code	Group	Subject	L (I n H r)	T (I n H r)	P (I n H r)	Total Credit
1	0IKS04	Foundation	Indian Knowledge System (IKS)	2			2
2	0EVS03	Foundation	Environmental Study	2			2
Major Subjects- Choose any one Group (Both paper are compulsory)							
Major Group A (Computer Application) Only for BA-Computer							
3	01CA202	Major-1-T	Programming in C Language	4			4
3-P	01CA252	Major-1-P	Programming in C Language -Practical			4	2
Major Group B (Fashion Design) Only for BA-FD							
3	01FD202	Major-1-T	Product Development	4			4
3-P	01FD252	Major-1-P	Product and Design Development -Practical			4	2
Minor Subjects- Choose any one				6			6
5	02HI202	Minor- History	Idea of Bharat				
	02EC202	Minor Economics	Micro Economics				
	03EN202	Minor - English Literature	Study of Drama				
	03EN202-L	Minor -1-P	Study of Drama			4	2
	03SO201	Minor Sociology	Basic Concepts of Sociology				
	02PO202	Minor - Political Sc	Political Theory				


A K S  **University**
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Curriculum of BA/ BA (Hon's) Program
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6	Choose Any one (Open Elective)			4			4
	03PO202	OE- Political Sc	Political Theory				
		OE- Sociology	Basic Concepts of Sociology				
	03EN202	OE- English Literature	Study of Drama				
	03EN202-L	OE- English Literature-1-P	Study of Drama			4	2
	03HI202	OE - History	Idea of Bharat				
	03NC202	OE- NCC	NSS /UCC/NCC Training				
		Total Credits	18				20

0= Foundation Course, 1= Major Subjects, 1=Minor Subjects,1=Open Elective Subjects,

Bachelor of Arts (BA- Computer)
Batch 2023-27(New Education Policy)
SEMESTER – III

Sr .	Subject Code	Group	Subject	L (In Hr)	T (In Hr)	P (In Hr)	Total Credit
1	0SE301	T	Digital Marketing	2			2
2	0SE351-P	P	Digital Marketing -Practical			4	2
	0MM301	T	Salesmanship	2			
	0MM301-P	P	Salesmanship -Practical			4	2
	0DM301	T	Dairy Management	2			
	0DM301-P	P	Dairy Management -Practical			4	2
Major Subjects- Choose any one Group (Both paper are compulsory)							
Major Group A (Computer Application) Only for BA-Computer							
3	01CA301	Major-1-T	DBMS	4			4
3-P	01CA351	Major-1-P	DBMS -Practical			4	2


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Minor Subjects- Choose any one				6			6
5	02HI301	Minor- History	History of Medieval India (From 1206 – 1739 AD)				
	02EC302	Minor Economics	Macro Economics				
	02EN302	Minor - English Literature	Study of Prose				
	02EN302	Minor -1-P	Study of Prose			4	2
	02SO302	Minor Sociology	Basic Concepts of Social Research				
	02PO301	Minor - Political Sc	Western Political Thoughts				
6	Choose Any one (Open Elective)			4			4
	03PO301	OE- Political Sc	Western Political Thoughts				
	03SO301	OE- Sociology	Basic Concepts of Social Research				
	03EN301	OE- English Literature	Study of Prose				
	03EN302	OE- English Literature-1-P	Study of Prose			4	2
	03HI301	OE - History	History of Medieval India (From 1206 – 1739 AD)				
			Total Credits	18			20

0= Skill Enhancement Course, 1= Major Subjects, 1=Minor Sub

SEMESTER – IV


Sr.	Subject Code	Group	Subject	L (In Hr)	T (In Hr)	P (In Hr)	Total Credit
Vocational Course – Choose any one				4			4
1	0SE401	T	Web Designing	2			
	0SE451	P	Web Designing -Practical			4	2
	0SE402	T	Retail Management	2			
		P	Retail Management -Practical			4	2

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	0SE403	T	Accounting and Tally	2			
		P	Accounting and Tally -Practical			4	2
Major Subjects- (Compulsory)							
Major Group A (Computer Application) Only for BA-Computer							
2	02CA301	Minor – 1 - T	INTRODUCTION TO ASP.NET & C#				
	02CA351	Minor -1-P	INTRODUCTION TO ASP.NET & C#- PRACTICAL			4	2
Minor Subjects- Choose any one				6			6
3	02HI301	Minor – 1 - T	History of Modern India (From 1740 – 1947 AD				
	02EC402	Minor- Economics	Money, Banking and Public Finance				
	03EN302	Minor – English Literature	Study of Fiction				
	02EN302	Minor -1-P	Study of Fiction			4	2
	02SO302	Minor - Sociology	Social Change and Development				
	02PO401	OE- Political Sc	Indian Political Thinkers				
4	Choose Any one (Open Elective)			4			4
	03PO401	OE- Political Sc	Indian Political Thinkers				
	03SO401	OE- Sociology	Social Change and Development				
	03EN302	OE- English Literature	Study of Fiction				
	03EN302	OE- English Literature -1- P	Study of Fiction			4	2
			Total Credits	18			20

0= Skill Enhancement Course, 1= Major Subjects, 1=Minor Sub

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SEMESTER –V


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Sr.	Subject Code	Group	Subject	L (In Hr)	T (In Hr)	P (In Hr)	Total Credit
1	0MT002	Skill Enhancement Course -1-T	Business Communication	4			4
Major Subjects							
2	01CA501	Major-1-T	Operating System	6			6
Discipline Specific Elective Subjects-				4			4
3	05CA513	DSE-1-T	Organizational behaviour	3			3
	05CA 513-P	DSE-1-P	Organizational behaviour practical			2	1
	05CA512	DSE-1-T	Programming in JAVA	3			3
	05CA512-P	DSE-1-P	Programming in JAVA- Practical			2	1
4	Field Project/Internship/Apprenticeship			6			6
	06CA551						
Total Credits				17		06	20

1= Skill Enhancement Course, 1= Major Subjects, 2=DSE Subjects, 1= Field Project/Internship/Apprenticeship,


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SEMESTER –VI

Sr.	Subject Code	Group	Subject	L (In Hr)	T (In Hr)	P (In Hr)	Total Credit
Major Subjects							

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1	01CA601	Major-1-T	Multimedia Tools and Applications	4	-	-	4
	01CA601 L	Major-1- P	Multimedia Tools and Applications			2	2
Discipline Specific Elective Subjects-				4	-	-	4
2	05CA601	DSE-1-T	Python Programming	3			3
	05CA601L	DSE- 1 - P	Python Programming			1	1
	05CA614	DSE-1-T	Financial account with tally	3			3
	05A614L	DSE- 1 - P	Financial account with tally Practical			1	1
Discipline Specific Elective Subjects-				4	-	-	4
	05CA603	DSE-2-T	Introduction to Cloud Computing	3			3
	05CA603L	DSE- 2 - P	Introduction to Cloud Computing			1	1
	05CA615	DSE-2-T	Computer Network &Security	3			3
	05CA615L	DSE-2 - P	Financial account with tally practical			1	1
4	Field Project/Internship/Apprenticeship			6	-	-	6
	06CA651						
			Total Credits	16		04	20

1= Major Subjects, 2=DSE Subjects, 1= Field Project/Internship/Apprenticeship,

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SEMESTER – VII

S. N.	Subject code	Group	Subject	Period			Credit
				L	T	P	
1	01CA701	Core-1	Current trends and technology	4	0	2	6
2.	05CA701	DSE-III	Theory and computation	4	0	0	4
3.	05CA702	DSE-III	Compiler and Design				
4	02CA701	Research	Research Methodology and IPR	4	0	0	4
5	06CA751	Project	Thesis/ Internship/Project	0	0	6	6
				12	0	8	20

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SEMESTER – VIII

S. N.	Subject code	Group	Subject	Period			Credit
				L	T	P	
1.	01CA801	Core-1	Statistical thinking for data science	4	0	2	6
2	02CA801	Minor	English for research Paper writing	2	0	2	4
3	06CA851	Research Project	Research work /Thesis/ Internship/Project	0	0	10	10
				6	0	14	20

Semester-I

Course Code:	0SDG01
Course Title :	Sustainable Development Goals (SDGs)
Pre-requisite:	Student should have basic knowledge of Environment, Natural resources, Climate change and sustainability
Rationale:	To inculcate the knowledge base on sustainable development with a view to balance our economic, environmental and social needs, allowing prosperity for now and future generations. To train students to undertake major initiatives in the efficient management of natural resources and the prevention of environmental pollution with focus on Sustainable Development. To use environmental management tools that help to improve the quality of environment, to assess local vulnerabilities with respect to climate, natural disasters and to achieve sustainable developmental needs.

Course Outcomes:

0SDG01.1: Examine critically the 17 newly minted UN Sustainable Development Goals and understand the historical evolution, key theories, and concepts of sustainable development.


0SDG01.2: Identify and apply methods for assessing the achievement of sustainable development and discover the science, technology, economics, and politics underlying the concepts of sustainability.

0SDG01.3: Understand the implications of overuse of resources, population growth and economic growth and sustainability and explore the challenges the society faces in making transition to renewable resource use.

0SDG01.4: Develop skills to understand attitudes on individuals, society and their role regarding causes and solutions in the field of sustainable development and apply critical thinking skills to evaluate the quality, credibility and limitations of an argument for solution.

0SDG01.5: Describe the steps of the design thinking methodology and how design thinking can accelerate effective SDG implementation. Deepen knowledge and pedagogical tools to incorporate values-based education for sustainable development in educational programmes and processes.

Scheme of Studies:

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Code	Course	Course Title	Scheme of studies (Hours/Week)					Total Credits
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
SDG	0SDG01	Sustainable Development Goals (SDGs)	2	0	1	1	4	2

Legend:

CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning,

C: Credits.


Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory:

Code	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment ESA	Total Marks PRA ESA
			Progressive Assessment (PRA)								
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each CT	Seminar one (SA)	Class Activity any other CAT	Class Attendance AT	Total Marks (CA+CT+SA+CAT+AT)			
SDG	0SDG01	Sustainable Development Goals (SDGs)	15	20	5	5	5	50	50	100	

Course-Curriculum Detailing:

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This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

OSDG01.1: Examine critically the 17 newly minted UN Sustainable Development Goals and understand the historical evolution, key theories, and concepts of sustainable development.

Approximate Hours

Item	AppX Hrs
CI	6
LI	0
SW	1
SL	1
Total	8

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
SO1.1 Understand about Sustainable Development SO1.2 Understand the Need and Importance of SDGs SO1.3 Understand the historical evolution of SDGs SO1.4 Gain knowledge of SDGs Different goals and their importance SO1.5 Explain the Challenges & strategies of attaining SDGs in countries		Unit-1.0: Introduction to Sustainable Development [6 Hours] 1.1 Need and Importance of Sustainable Development 1.2 Historical & Policy perspectives of Sustainable Development 1.3 Sustainable Development: World and India Perspective 1.4 Introduction to 17 SDGs 1.5 Specific learning objectives for different SDGs 1.6 Challenges & strategies of attaining SDGs in developed and developing nations	1. Different SDG goals details and its importance

SW-1 Suggested Sessional Work (SW):

a. Assignments: Overview of SDGs, Sustainable Consumption and Production, Details of 17 SDGs. **b.**

Mini Project:

c. Other Activities (Specify): Note down the different challenges in our state and district to achieve SDG
0SDG01.2: Identify and apply methods for assessing the achievement of sustainable development and discover the science, technology, economics, and politics underlying the concepts of sustainability and measuring. Approximate Hours

Item	AppX Hrs
CI	6
LI	0
SW	1
SL	1
Total	8

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO2.1 Explain Sustainable Development</p> <p>SO2.2 Understand the NEP-2020 and SDG</p> <p>SO2.3 Discuss higher Education role to achieve SDGs</p> <p>SO2.4 Explain how education for Sustainable Development</p> <p>SO2.5 Explain the measuring techniques for Sustainability</p>		<p>Unit-2.0: Special focus on SDG 4Quality Education and Lifelong Learning: [6 Hours]</p> <p>2.1 Focus of NEP-2020 on SDG</p> <p>2.2 Education for Sustainable Development (ESD)</p> <p>2.3 Berlin Declaration 2021 on ESD</p> <p>2.4 Integration of ESD in curriculum and textbooks</p> <p>2.5 Tools, Systems, and Innovation for Sustainability</p> <p>2.6 Measuring Sustainability: How do we measure sustainability</p>	<p>1. NEP2020 objectives and concept for SDGs</p> <p>2. Concept, Tools and techniques for measuring sustainability</p>

SW-2 Suggested Sessional Work (SW):

a. Assignments: Education role to achieve SDGs, The role of education in Sustainable Development, Measuring techniques of sustainability, Sustainability Indicators.

b. Mini Project:

- c. **Other Activities (Specify):** Seminar and group discussion on ESD and measuring sustainability Millennium Development Goals (MDGs).

0SDG01.3: Understand the implications of overuse of resources, population growth and economic growth and sustainability and explore the challenges the society faces in making transition to renewable resource use.

Approximate Hours

Item	AppX Hrs
CI	6
LI	0
SW	1
SL	1
Total	8

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO3.1 Understand current economic issues in the context of the global sustainable development debate</p> <p>SO3.2 Outline of health, hygiene and water sanitation issues</p> <p>SO3.3 Discuss the renewable energy resources and its importance in present scenario</p> <p>SO3.4 Explain the importance of sustainable production and consumption</p> <p>SO3.5 Explain the problems and solution in rural and urban areas</p>		<p>Unit-3.0: Understanding the SDGs [6 Hours]</p> <p>3.1 Circular economy (basic model of reuse, recycle, and reduce)</p> <p>3.2 Rural & urban Problems & Challenges</p> <p>3.3 Sustainable production and consumption</p> <p>3.4 Renewable energy</p> <p>3.5 Health & Hygiene, water , sanitation & water management</p> <p>3.6 Waste Management</p>	<p>1. Water treatment and management practices</p> <p>2. Non-renewable energy resources</p>

SW-3 Suggested Sessional Work (SW):

- a. **Assignments:** Eco-friendly energy resources importance, types of waste and its management, Urban Problems & Challenges.
- b. **Mini Project:**
- c. **Other Activities (Specify):** Visit of waste water treatment plant, Visit of water treatment process.

0SDG01.4: Develop skills to understand attitudes on individuals, society and their role regarding causes and solutions in the field of sustainable development and apply critical thinking skills to evaluate the quality, credibility and limitations of an argument for solution.

Approximate Hours

Item	AppX Hrs
CI	6
LI	0
SW	1
SL	1
Total	8

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO4.1 Understand environmental sustainability is crucial in reducing the impacts of climate change</p> <p>SO4.2 Discuss causes of emission of GHGs and its consequences</p> <p>SO4.3 Explain how climate change and sustainable development both play a role in shaping the human and environmental factors of the world</p> <p>SO4.4 Explain the importance of sustainable production and consumption</p> <p>SO4.5 Climate change is disrupting national economies and affecting lives and livelihoods, especially for the most vulnerable and its mitigation</p>		<p>Unit-4.0: Climate Change, Energy and Sustainable Development [6 Hours]</p> <p>4.1 The greenhouse effect: Causes and Consequences</p> <p>4.2 Climate Change: A Threat to Sustainable Development</p> <p>4.3 Adaptation to Current and Future Climate Regimes</p> <p>4.4 The consequences: crop failure</p> <p>4.5 Solutions technology and lifestyle changes</p> <p>4.6 Mitigating Climate Change</p>	<p>1. Agreement on Climate Change, Trade, and Sustainability Carbon Credit carbon trading Kyoto Protocol</p>

SW-4 Suggested Sessional Work (SW):

- a. Assignments:** Urban Sustainability and Climate Change, Sustainable Development Policies, Agreement on

Climate Change, Trade and Sustainability, Resilient cities – What makes a city sustainable, green, and resilient.

b. Mini Project:

c. Other Activities (Specify):

0SDG01.5: Describe the steps of the design thinking methodology and how design thinking can accelerate effective SDG implementation. Deepen knowledge and pedagogical tools to incorporate values-based education for sustainable development in educational programmes and processes.


Approximate Hours

Item	AppX Hrs
CI	6
LI	0
SW	1
SL	1
Total	8

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO4.1 Understand the relevance and the concept of sustainability and the global initiatives in this direction</p> <p>SO4.2 Understand role of Corporations and Ecological Sustainability</p> <p>SO4.3 Explain role of CSR in Sustainability</p> <p>SO4.4 Understand the SD challenge for companies, their responsibility and their potentials for action</p> <p>SO4.5 Discuss the role of world government for world justice and peace</p>		<p>Unit-5.0: Sustainable Business Practices [6 Hours]</p> <p>5.1 Corporate Social Responsibility</p> <p>5.2 Sustainable products and services</p> <p>5.3 Business and Environment</p> <p>5.4 Corporations and Ecological Sustainability</p> <p>5.5 Life Cycle Assessment: LCA Overview and Application</p> <p>5.6 World peace and justice: □ United nations goals for peace and justice World Government for peace</p>	<p>1. Local to the Global: Can Sustainable Development Work</p>

SW-5 Suggested Sessional Work (SW):

- a. Assignments:** Consumption Patterns and Lifestyles, Company Perspectives for Environmental Sustainability, an Introduction to Economic Growth.
- b. Mini Project:**
- c. Other Activities (Specify):**

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Brief of Hours suggested for the Course Outcome:

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self-Learning (Sl)	Total hour (Cl+SW+S l)
0SDG01.1: Examine critically the 17 newly minted UN Sustainable Development Goals and understand the historical evolution, key theories, and concepts of sustainable development	6	1	1	8
0SDG01.2: Identify and apply methods for assessing the achievement of sustainable development and discover the science, technology, economics, and politics underlying the concepts of sustainability	6	1	1	8
0SDG01.3: Understand the implications of overuse of resources, population growth and economic growth and sustainability and explore the challenges the society faces in making transition to renewable resource use	6	1	1	8
0SDG01.4: Develop skills to understand attitudes on individuals, society and their role regarding causes and solutions in the field of sustainable development and apply critical thinking skills to evaluate the quality, credibility and limitations of an argument for solution	6	1	1	8
0SDG01.5: Describe the steps of the design thinking methodology and how design thinking can accelerate effective SDG implementation. Deepen knowledge and pedagogical tools to incorporate values-based education for sustainable development in educational programmes and processes	6	1	1	8
Total Hours	30	5	5	40

Suggestion for End Semester Assessment:

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution	Total Marks

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		R	U	A	
0SDG01.1	Introduction to Sustainable Development	3	1	1	5
0SDG01.2	Special focus on SDG 4-Quality Education and Lifelong Learning	2	6	2	10
0SDG01.3	Understanding the SDGs	3	7	5	15
0SDG01.4	Climate Change, Energy and Sustainable Development	-	10	5	15
0SDG01.5	Sustainable Business Practices	3	2	-	5
Total		11	26	13	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Sustainable Development Goals will be held with written examination of 50 marks.

Note: Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.


Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Case Method
3. Group Discussion
4. ICT Based Teaching Learning (Video Demonstration/Tutorials CBT, Blog, Facebook, Twitter, Whatsapp, Mobile, Online sources)
5. Brainstorming


Suggested Learning Resources:

(a) Books:

S. No.	Title	Author	Publisher	Edition & Year

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1	The Economics of Sustainable Development: The Case of India (Natural Resource Management and Policy)	Surender Kumar and Shunsuke Managi	Springer Switzerland	2009
2	Corporate Social Responsibility in Developing and Emerging Markets	Onyeka Osuji	Cambridge	New Edition June 2022
3	Smart Cities for Sustainable Development	Ram Kumar Mishra, Ch Lakshmi Kumari Sandeep Chachra, P.S. Janaki Krishna	Springer Switzerland	March 2022
4	Sustainable Development: Linking Economy, Society, Environment	Tracey Strange and Anne Bayley	-	-
5	Management Of Resources For Sustainable Devpt	Sushma Goyal	The Orient Blackswan	2016
6	Energy, Environment and Sustainable Development: Issues and Policies	S. Ramaswamy Sathis G. Kumar	Regal Publications	2009
7	The New Map: Energy Climate, and the Clash of Nations	Daniel Yergin	Penguin Press	September 2015
8	Contributions of Education for Sustainable Development (ESD) to Quality Education:	Laurie, R., Nonoyama Tarumi, Y., Mckeown, R., & Hopkins, C.	A Synthesis of Research. Journal of Education for Sustainable Development, 10(2), 226–242.	2016
9	Sustainable Results in Development: Using the SDGs for Shared Results and Impact	OECD	OECD Publishing, Paris	2019
10	Development Discourse and	Ziai, Aram	Routledge, London &	2016
	Global History from colonialism to the sustainable development goals		New York	


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11	Sustainable Development Goals An Indian Perspective,	Hazra, Somnath., Bhukta, Anindya	Springer Switzerland	2020
12	Environmental Ecology, Biodiversity and Climate Change	HM Saxena	Rawat Publication	January 2021
13	https://www.un.org/sustainabledevelopment/			
14	https://www.aiu.ac.in/documents/AIU_Publications/UN-SDGgoals			
15	https://www.unesco.org/en/education-sustainable-development			
16	https://onlinecourses.nptel.ac.in/noc23_hs57/preview			
17	https://www.iau-hesd.net/news/5180-berlin-declaration-education-sustainable-developmentadoptedunesco-esd-conference-17-19			
18	Lecture notes provided by Dept. of Management, AKS University, Satna			

Curriculum Development Team:

1. Professor G.C. Mishra, Director Cement Technology, AKS University, Satna
2. Professor Kamlesh Choure, Head Department of Biotechnology AKS University, Satna
3. Professor Mahendra Kumar Tiwari, Head Department of Environmental Science, AKS University , Satna


Course Outcomes	Program Outcomes						Program Specific Outcome	
	PO1	PO2	PO3	PO4	PO5	PO6	PSO 1	PSO 2
	Domain knowledge	Contemporary issues	Deep thinking, business analysis	Mobilization of resources	Research orientation	Developing corporate solutions	Acquire leadership skills and entrepreneurial mindset	Application of ethical practices and moral values
OSDG01.1: Examine critically the 17 newly minted UN Sustainable Development Goals and understand the historical evolution, key theories, and concepts of sustainable development	3	2	2	2	1	2	3	3
OSDG01.2: Identify and apply methods for assessing the achievement of sustainable development and discover the science, technology, economics, and politics underlying the concepts of sustainability	3	2	2	1	2	1	3	3


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0SDG01.3: Understand the implications of overuse of resources, population growth and economic growth and sustainability and explore the challenges the society faces in making transition to renewable resource use	3	1	2	2	1	2	3	3
0SDG01.4: Develop skills to understand attitudes on individuals, society and their role regarding causes and solutions in the field of sustainable development and apply critical thinking skills to evaluate the quality, credibility and limitations of an argument for solution	3	2	1	1	2	2	3	
0SDG01.5: Describe the steps of the design thinking methodology and how design thinking can accelerate effective SDG implementation. Deepen knowledge and pedagogical tools to incorporate valuesbased education for sustainable development in educational programmes and processes	3	2	1	1	2	1	3	

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Legend: 1 – Low, 2 – Medium, 3 – High

Course Curriculum Map:

POs & PSOs No.	COs No.& Titles	SOs No.	Laboratory Instruction n (LI)	Classroom Instruction (CI)	Self-Learning (SL)
POs 1,2,3,4,5,6 PSOs 1,2	0SDG01.1: Examine critically the 17 newly minted UN Sustainable Development Goals and understand the historical evolution, key theories, and concepts of sustainable development	SO1.1 SO1.2 SO1.3 SO1.4 SO1.5		Unit-1.0: Introduction to Sustainable Development 1.1, 1.2, 1.3, 1.4, 1.5, 1.6	
POs 1,2,3,4,5,6 PSOs 1,2	0SDG01.2: Identify and apply methods for assessing the achievement of sustainable development and discover the science, technology, economics, and politics underlying the concepts of sustainability	SO2.1 SO2.2 SO2.3 SO2.4 SO2.5		Unit-2.0: Special focus on SDG 4-Quality Education and Lifelong Learning 2.1, 2.2, 2.3, 2.4, 2.5, 2.6	
POs 1,2,3,4,5,6 PSOs 1,2	0SDG01.3: Understand the implications of overuse of resources, population growth and economic growth and sustainability and explore the challenges the society faces in making transition to renewable resource use	SO3.1 SO3.2 SO3.3 SO3.4 SO3.5		Unit-3.0: Understanding the SDGs 3.1, 3.2, 3.3, 3.4, 3.5, 3.6	
POs 1,2,3,4,5,6 PSOs 1,2	0SDG01.4: Develop skills to understand attitudes on individuals, society and their role regarding causes and solutions in the field of sustainable development and apply critical thinking skills to evaluate the quality, credibility and limitations of an argument for solution	SO4.1 SO4.2 SO4.3 SO4.4 SO4.5		Unit-4.0: Climate Change, Energy and Sustainable Development 4.1, 4.2, 4.3, 4.4, 4.5, 4.6	

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POs 1,2,3,4,5,6 PSOs 1,2	OSDG01.5: Describe the steps of the design thinking methodology and how design thinking can accelerate effective SDG implementation. Deepen knowledge and pedagogical tools to incorporate valuesbased education for sustainable development in educational programmes and processes	SO5.1 SO5.2 SO5.3 SO5.4 SO5.5		Unit-5.0: Sustainable Business Practices 5.1, 5.2, 5.3, 5.4, 5.5, 5.6	
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Semester-I

Course Code:	0SSD02
Course Title :	Communication Skill
Pre-requisite:	Students should have basic knowledge of presenting themselves, their thoughts and ideas
Rationale:	Communication skill will make a student versatile and confident enough to portray his/her skills. Students will be able to groom their personality with multiple traits. Students will be able to crack any interview, will be able to actively participate in any group discuss.

Course Outcomes:

0SSD02.1: Building up of confidence and presentation skill.

0SSD02.2: Students will be able to exhibit group discussion and interview skills.

0SSD02.3: Students will be able to communicate effectively in Hindi and English languages without hindrances.

0SSD02.4: Students will be able to understand the concept of basic grammar.

0SSD02.5: The study of Dramas and Poems written by Indian Writers.

Scheme of Studies:

Code	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
SSD	0SSD02	Communication Skill	2	0	1	1	4	2

Legend:

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CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning,

C: Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory:

Code	Course Code	Course Title	Scheme of Assessment (Marks)							
			Progressive Assessment (PRA)						End Semester Assessment ESA	Total Marks PRA ESA
			Class/Home Assignments number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT + AT)		
SSD	0SSD02	Communication Skill	15	20	5	5	5	50	50	100

Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

0SSD02.1: Building up of confidence and presentation skill.

Approximate Hours

Item	AppX Hrs
CI	8
LI	0
SW	0
SL	1
Total	9

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO1.1 Students will be able to introduce themselves</p> <p>SO1.2 Understand the concept of Oral Presentation</p> <p>SO1.3 Students will be able to dress and present effectively</p> <p>SO1.4 Understand the importance of Body Language</p> <p>SO1.5 Students will be able to influence mass through skit and dramas</p>		<p>Unit-1.0: Self-grooming, Basic Etiquettes and Presentation Skill [8 Hours]</p> <p>1.1 Self-introduction</p> <p>1.2 Oral Presentation on The importance of Education</p> <p>1.3 The importance of English in Today's World</p> <p>1.4 Necessity of uniforms in a college</p> <p>1.5 Professional dressing and grooming etiquettes.</p> <p>1.6 Body Language tips and techniques.</p> <p>1.7 Role play was conducted on following topics: Classroom interaction</p> <p>1.8 Role play on Hospital Scene and Scene at Railway Station</p>	<p>1. Prepare on the given topics</p> <p>2. Prepare a play on the given topics</p>

SW-1 Suggested Sessional Work (SW):

- a. Assignments:
- b. Mini Project:
- c. Other Activities (Specify):

0SSD02.2: Students will be able to exhibit group discussion and interview skills.

Approximate Hours

Item	AppX Hrs
CI	6
LI	0
SW	1
SL	1
Total	8

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO2.1 Understand the techniques of Group Discussion</p> <p>SO2.2 Understand the concept of Debate</p> <p>SO2.3 Students present their prepared debate</p> <p>SO2.4 Students will actively participate in group discussion</p> <p>SO2.5 Students will be able to prepare themselves for interview</p>		<p>Unit-2.0: Confidence building skills, Interview Skills and Resume Writing</p> <p>[6 Hours]</p> <p>2.1 Group Discussion on impact of covid 19 on mental health</p> <p>2.2 Discussion on impact of social media on lives, pros and cons of technology</p> <p>2.3 Debate</p> <p>2.4 Presentation of prepared debate speeches</p> <p>2.5 Interviews and their Kinds (Mock Interview Session)</p> <p>2.6 Resume Writing</p>	<p>1. Prepare debate on given topics</p> <p>2. Prepare for mock interview</p>

SW-2 Suggested Sessional Work (SW):

- a. Assignments:
- b. Mini Project:
- c. Other Activities (Specify):

0SSD02.3: Students will be able to communicate effectively in Hindi and English languages without hindrances.

Approximate Hours

Item	AppX Hrs
CI	6
LI	0
SW	1
SL	1
Total	8

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO3.1 Students will understand the value of speech</p> <p>SO3.2 Students will be able to host different programmes</p> <p>SO3.3 Students will be able to think and speak instantaneously</p> <p>SO3.4 To make them understand the inquiry procedure at public places</p> <p>SO3.5 Students will learn effective interaction skill</p>		<p>Unit-3.0: Public Speaking Skills & Conversational Skills [6 Hours]</p> <p>3.1 Speech /Anchoring</p> <p>3.2 Types of Speech</p> <p>3.3 National Science Day speech , Valedictory Speech, Patriotic speech,</p> <p>3.4 Extempore</p> <p>3.5 Pros and Cons of Online teaching, Environment Conservation and Education of a Girl Child)</p> <p>3.6 Conversational Topics (Inquiry at bank, Airport, Station and Hospitals)</p>	

SW-3 Suggested Sessional Work (SW):

- a. Assignments:
- b. Mini Project:
- c. Other Activities (Specify):

0SSD02.4: Students will be able to understand the concept of basic grammar.

Approximate Hours


Item	AppX Hrs
CI	7
LI	0
SW	1
SL	0
Total	8

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO4.1 Understanding about the use of Prepositions</p> <p>SO4.2 Students will be able to understand the usage of Tenses</p> <p>SO4.3 Understand the concept of Active and Passive Voice</p> <p>SO4.4 To understand the usage of Modals</p> <p>SO4.5 Use of correct grammar in day to day conversation</p>		<p>Unit-4.0: Functional Grammar and Vocabulary Building [7 Hours]</p> <p>4.1 Prepositions (Place, Time and Direction),</p> <p>4.2 Usage of preposition.</p> <p>4.3 Tenses (Present, Past and Future),</p> <p>4.4 Usage of tenses in day to day life</p> <p>4.5 Voice (Active and Passive)</p> <p>4.6 Usage of active and passive voice.</p> <p>4.7 Modals</p>	

SW-4 Suggested Sessional Work (SW):

- a. **Assignments:**
- b. **Mini Project:**
- c. **Other Activities (Specify):**

0SSD02.5: The study of Dramas and Poems written by Indian Writers.

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Approximate Hours


Item	AppX Hrs
CI	3
LI	0
SW	1
SL	1
Total	5

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO5.1 Students will be able to understand the value of Indian Literature</p> <p>SO5.2 Students will be able to analyse the work of Indian Writers</p> <p>SO5.3 Students will relate with the power of perspective and accountability</p> <p>SO5.4 Students become acquainted with the power of unity</p> <p>SO5.5 Students understand the importance of choices and its impact on life</p>		<p>Unit-5.0: Indian Writing in English & Hindi [3 Hours]</p> <p>5.1 The Axe- R.K. Narayan 5.2 The Night of the Scorpion- Nissim Ezekiel 5.3 The Portrait of a Lady - Khushwant Singh</p>	

SW-5 Suggested Sessional Work (SW):

- a. Assignments:
- b. Mini Project:
- c. Other Activities (Specify):

Brief of Hours suggested for the Course Outcome:

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Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self-Learning (Sl)	Total hour (Cl+SW+S l)
0SSD02.1: Building up of confidence and presentation skill	8	1	1	10
0SSD02.2: Students will be able to exhibit group discussion and interview skills	6	1	1	8
0SSD02.3: Students will be able to communicate effectively in Hindi and English languages without hindrances	6	1	1	8
0SSD02.4: Students will be able to understand the concept of basic grammar	7	1	0	8
0SSD02.5: The study of Dramas and Poems written by Indian Writers	3	1	1	5
Total Hours	30	5	4	39

Suggestion for End Semester Assessment:

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
0SSD02.1	Self-grooming, Basic Etiquettes and Presentation Skill				
0SSD02.2	Confidence building skills, Interview Skills and Resume Writing				
0SSD02.3	Public Speaking Skills& Conversational Skills				
0SSD02.4	Functional Grammar and Vocabulary Building				
0SSD02.5	Indian Writing in English& Hindi				
Total					30

Legend: R: Remember, U: Understand, A: Apply The end of semester assessment for communication skills will be held with written examination of 50 marks.

Note: Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorials

3. Case Method
4. Group Discussion
5. Brainstorming

Suggested Learning Resources:

(a) Books:

S. No.	Title	Author	Publisher	Edition & Year
1	Communication Skills	Dr. Meenu Pandey	Nirali Praksahan	2019
2	English Conversation Practice Tata	Grant Taylor	Practice Tata McGraw Hill Education Private Limited.	2022
3	□□□□□□□ □□□□ □□ □□□□□	□□.□□. □□□□□	□□□□□□ □□□□□□□□□□	2022
4	Lecture notes provided by Dept. of Management, AKS University, Satna			

Curriculum Development Team:

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10. Mr. Anurag Singh Parihar, Teaching Associate, FMS, AKS University, Satna.

Cos, POs and PSOs Mapping

Course Title: BA/BA (Hon's)

Course Code: 0SSD02

Course Title: Communication Skill

Course Outcomes	Program Outcomes						Program Specific Outcome	
	PO1	PO2	PO3	PO4	PO5	PO6	PSO 1	PSO 2
	Domain knowledge	Contemporary issues	Deep thinking, business analysis	Mobilization of resources	Research orientation	Developing corporate solutions	Acquire leadership skills and entrepreneurial mindset	Application of ethical practices and moral values
0SSD02.1: Building up of confidence and presentation skill	2	2	1	1	3	2	2	3
0SSD02.2: Students will be able to exhibit group discussion and interview skills	2	2	2	1	3	2	2	3
0SSD02.3: Students will be able to communicate effectively in Hindi and English languages without hindrances	2	3	2	1	3	2	2	3
0SSD02.4: Students will be able to understand the concept of basic grammar	1	1	1	1	1	1	1	1
0SSD02.5: The study of Dramas and Poems written by Indian Writers	1	2	2	1	2	2	1	3

Legend: 1 – Low, 2 – Medium, 3 – High

Course Curriculum Map:

POs & PSOs No.	COs No.& Titles	SOs No.	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
POs 1,2,3,4,5,6 PSOs 1,2	OSSD02.1: Building up of confidence and presentation skill	SO1.1 SO1.2 SO1.3 SO1.4 SO1.5		Unit-1.0: Self-grooming, Basic Etiquettes and Presentation Skill 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8	
POs 1,2,3,4,5,6 PSOs 1,2	OSSD02.2: Students will be able to exhibit group discussion and interview skills	SO2.1 SO2.2 SO2.3 SO2.4 SO2.5		Unit-2.0: Confidence building skills, Interview Skills and Resume Writing 2.1, 2.2, 2.3, 2.4, 2.5, 2.6	
POs 1,2,3,4,5,6 PSOs 1,2	OSSD02.3: Students will be able to communicate effectively in Hindi and English languages without hindrances	SO3.1 SO3.2 SO3.3 SO3.4 SO3.5		Unit-3.0: Public Speaking Skills Conversational Skills 3.1, 3.2, 3.3, 3.4, 3.5, 3.6	
POs 1,2,3,4,5,6 PSOs 1,2	OSSD02.4: Students will be able to understand the concept of basic grammar	SO4.1 SO4.2 SO4.3 SO4.4 SO4.5		Unit-4.0: Functional Grammar and Vocabulary Building 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7	
POs 1,2,3,4,5,6 PSOs 1,2	OSSD02.5: The study of Dramas and Poems written by Indian Writers	SO5.1 SO5.2 SO5.3 SO5.4 SO5.5		Unit-5.0: Indian Writing in English & Hindi 5.1, 5.2, 5.3	

Course Code: HSMC01

Course Title : **Sustainable Development Goals (SDGs)**

Pre-requisite: Student should have basic knowledge of Environment, Natural resources, Climate change and sustainability.

Rationale: To inculcate the knowledge base on sustainable development with a view to balance our economic, environmental and social needs, allowing prosperity for now and future generations. To train students to undertake major initiatives in the efficient management of natural resources and the prevention of environmental pollution with focus on Sustainable Development.

To use environmental management tools that help to improve the quality of environment, to assess local vulnerabilities with respect to climate, natural disasters and to achieve sustainable developmental needs.

Course Outcomes:

HSMC01.1: Examine critically the 17 newly minted UN Sustainable Development Goals and understand the historical evolution, key theories, and concepts of sustainable development.

HSMC01.2: Identify and apply methods for assessing the achievement of sustainable development and discover the science, technology, economics, and politics underlying the concepts of sustainability.

HSMC01.3: Understand the implications of overuse of resources, population growth and economic growth and sustainability and explore the challenges the society faces in making transition to renewable resource use.

HSMC01.4: Develop skills to understand attitudes on individuals, society and their role regarding causes and solutions in the field of sustainable development and apply critical thinking skills to evaluate the quality, credibility and limitations of an argument for solution.

HSMC01.5: Describe the steps of the design thinking methodology and how design thinking can accelerate effective SDG implementation. Deepen knowledge and pedagogical tools to incorporate values-based education for sustainable development in educational programmes and processes.

Scheme of Studies:

AECC	HS MC 01	Sustai nable Devel opme nt Goal	15	20	5	5	5	50	50	100
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Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

HSMC01.1: Examine critically the 17 newly minted UN Sustainable Development Goals and understand the historical evolution, key theories, and concepts of sustainable development.

Approximate Hours

Item	AppX Hrs
CI	06
LI	0
SW	1
SL	1
Total	8

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
<p>SO1.1 Understand about Sustainable Development</p> <p>SO1.2 Understand the Need and Importance of SDGs</p> <p>SO1.3 Understand the historical evolution of SDGs</p> <p>SO1.4 Gain knowledge of SDGs Different goals and their importance</p> <p>SO1.5 Explain the Challenges & strategies of attaining SDGs in countries..</p>		<p>Unit-1.0 Introduction to Sustainable Development</p> <p>1.1 Need and Importance of Sustainable Development</p> <p>1.2 Historical & Policy perspectives of Sustainable Development</p> <p>1.3 Sustainable Development: World and India Perspective</p> <p>1.4 Introduction to 17 SDGs</p> <p>1.5 Specific learning objectives for different SDGs</p> <p>1.6 Challenges & strategies of attaining SDGs in developed and developing nations</p>	<p>Different SDG goals details and its importance</p>

SW-1 Suggested Sessional Work (SW):

a. Assignments:

Overview of SDGs, Sustainable Consumption and Production, Details of 17 SDGs

b. Other Activities (Specify):

Note down the different challenges in our state and district to achieve SDG

VAC101.2: : Identify and apply methods for assessing the achievement of sustainable development and discover the science, technology, economics, and politics underlying the concepts of sustainability and measuring.

Approximate Hours

Item	AppX Hrs
CI	06
LI	0
SW	1
SL	1
Total	8

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
<p>SO2.1 Explain Sustainable Development</p> <p>SO2.2 Understand the NEP-2020 and SDG</p> <p>SO2.3 Discuss higher Education role to achieve SDGs</p> <p>SO2.4 Explain how education for Sustainable Development</p> <p>SO2.5 Explain the measuring techniques for Sustainability</p>		<p>Unit-2.0 Special focus on SDG 4-Quality Education and Lifelong Learning:</p> <p>2.1 Focus of NEP-2020 on SDG</p> <p>2.2 Education for Sustainable Development (ESD):</p> <p>2.3 Berlin Declaration 2021 on ESD</p> <p>2.4 Integration of ESD in curriculum and textbooks</p> <p>2.5 Tools, Systems, and Innovation for Sustainability</p> <p>2.6 Measuring Sustainability: How do we measure sustainability</p>	<p>1 NEP2020 objectives and concept for SDGs</p> <p>2. Concept, Tools and techniques for measuring sustainability</p>

SW-1 Suggested Sessional Work (SW):

c. Assignments:

Education role to achieve SDGs, The role of education in Sustainable Development, Measuring techniques of sustainability, Sustainability Indicators

d. Other Activities (Specify): Seminar and group discussion on ESD and measuring sustainability Millennium Development Goals (MDGs)

HSMC01.3: Understand the implications of overuse of resources, population growth and economic growth and sustainability and explore the challenges the society faces in making transition to renewable resource use.

Approximate Hours

Item	AppX Hrs
CI	06
LI	0
SW	1
SL	1
Total	8

SW-1 Suggested Sessional Work (SW):

Smart cities

e. Assignments:

Ecofriendly energy resources importance, types of waste and its management, Urban Problems & Challenges

Other Activities (Specify):

Visit of waste water treatment plant, Visit of water treatment process.

HSMC01.4: Develop skills to understand attitudes on individuals, society and their role regarding causes and solutions in the field of sustainable development and apply critical thinking skills to evaluate the quality, credibility and limitations of an argument for solution.

Approximate Hours

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
<p>SO3.1 Understand current economic issues in the context of the global sustainable development debate.</p> <p>SO3.2 Outline of health, hygiene and water sanitation issues.</p> <p>SO3.3 Discuss the renewable energy resources and its importance in present scenario</p> <p>SO3.4 Explain the importance of sustainable production and consumption</p> <p>SO3.5 Explain the problems and solution in rural and urban areas.</p>		<p>Unit-3.0 Understanding the SDGs</p> <p>3.1 Circular economy (basic model of reuse, recycle, and reduce)</p> <p>3.2 Rural & urban Problems & Challenges</p> <p>3.3 Sustainable production and consumption</p> <p>3.4 Renewable energy</p> <p>3.5 Health & Hygiene, water , sanitation & water management</p> <p>3.6 Waste Management</p>	<p>1. Water treatment and management practices.</p> <p>2. Non renewable energy resources.</p>
		Item	AppX Hrs

CI	06
LI	0
SW	1
SL	1
Total	8

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	If Learning (SL)
<p>SO4.1 Understand environmental sustainability is crucial in reducing the impacts of climate change</p> <p>SO4.2 Discuss causes of emission of GHGs and its consequences</p> <p>SO4.3 Explain how climate change and sustainable development both play a role in shaping the human and environmental factors of the world.</p> <p>SO4.4 Explain the importance of sustainable production and consumption</p> <p>SO4.5 Climate change is disrupting national economies and affecting lives and livelihoods, especially for the most vulnerable and its mitigation.</p>		<p>Unit-4.0 Climate Change, Energy and Sustainable Development</p> <p>4.1 The greenhouse effect: Causes and Consequences</p> <p>4.2 Climate Change: A Threat to Sustainable Development</p> <p>4.3 Adaptation to Current and Future Climate Regimes</p> <p>4.4 The consequences: crop failure</p> <p>4.5 Solutions technology and lifestyle changes</p> <p>4.6 Mitigating Climate Change</p>	<p>1 Agreement on Climate Change, Trade, and Sustainability</p> <p>Carbon Credit, carbon trading</p> <p>Kyoto Protocol</p>

SW-1 Suggested Sessional Work (SW):

f. Assignments:

Urban Sustainability and Climate Change, Sustainable Development Policies, Agreement on Climate Change, Trade and Sustainability, Resilient cities – What makes a city sustainable, green, and resilient

Other Activities (Specify):

VAC101.5: Describe the steps of the design thinking methodology and how design thinking can accelerate effective SDG implementation. Deepen knowledge and pedagogical tools to incorporate values-based education for sustainable development in educational programmes and processes.

Approximate Hours

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
<p>SO4.1 Understand the relevance and the concept of sustainability and the global initiatives in this direction</p> <p>SO4.2 Understand role of Corporations and Ecological Sustainability.</p> <p>SO4.3 Explain role of CSR in Sustainability.</p> <p>SO4.4 Understand the SD challenge for companies, their responsibility and their potentials for action</p> <p>SO4.5 Discuss the role of world government for world justice and peace</p>		<p>Unit-5.0 Sustainable Business Practices:</p> <p>5.1 Corporate Social Responsibility</p> <p>5.2 Sustainable products and services</p> <p>5.3 Business and Environment</p> <p>5.4 Corporations and Ecological Sustainability</p> <p>5.5 Life Cycle Assessment:</p> <ul style="list-style-type: none"> ● LCA Overview and Application <p>5.6 World peace and justice:</p> <ul style="list-style-type: none"> ● United nations goals for peace and justice ● World Government for peace 	Local to Global: Can Sustainable Development Work

Item	AppX Hrs
CI	06
LI	0
SW	1
SL	1
Total	8

SW-1 Suggested Sessional Work (SW):

g. Assignments:

Consumption Patterns and Lifestyles, Company Perspectives for Environmental Sustainability, An Introduction to Economic Growth

Other Activities (Specify):

Brief of Hours suggested for the Course Outcome

Suggestion for End Semester Assessment

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hours (Cl+SW+Sl)
HSMC01: Examine critically the 17 newly minted UN Sustainable Development Goals and understand the historical evolution, key theories, and concepts of sustainable development.	6	1	1	8

HSMC01.2: Identify and apply methods for assessing the achievement of sustainable development and discover the science, technology, economics, and politics underlying the concepts of sustainability.	6	1	1	8
HSMC01.3: Understand the implications of overuse of resources, population growth and economic growth and sustainability and explore the challenges the society faces in making transition to renewable resource use.	6	1	1	8
HSMC01.4: Develop skills to understand attitudes on individuals, society and their role regarding causes and solutions in the field of sustainable development and apply critical thinking skills to evaluate the quality, credibility and limitations of an argument for solution.	6	1	1	8
HSMC01.5: Describe the steps of the design thinking methodology and how design thinking can accelerate effective SDG implementation. Deepen knowledge and pedagogical tools to incorporate values-based education for sustainable development in educational programmes and processes.	6	1	1	8
Total Hours	30	5	5	40

Suggested Specification Table(For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Need and Importance of Sustainable Development	03	01	01	05
CO-2	Education for Sustainable Development (ESD): Tools, Systems, and Innovation for Sustainability	02	06	02	10
CO-3	Discuss the sustainable production and consumption	03	07	05	15
CO-4	How Climate Change may be Threat to Sustainable Development	-	10	05	15
CO-5	Role of Corporations and Ecological Sustainability	03	02	-	05
Total		11	26	13	50

Legend: R: Remember, U: Understand, A: Apply A: Analyse E:Evaluate C:Create

The end of semester assessment for Sustainable Development Goals will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Role Play
6. Visit to industry, water treatment plant
7. Demonstration
8. ICTBasedTeachingLearning(VideoDemonstration/TutorialsCBT,Blog,Facebook,Twitter,Whatsapp,Mobile,Onlinesources)
9. Brainstorming

Suggested Learning Resources:

S. No.	Title	Author	Publisher	Edition & Year
1	The Economics of Sustainable Development: The Case of India (Natural Resource Management and Policy)"	Surender Kumar and Shunsuke Managi	Springer Switzerland	2009
2	Corporate Social Responsibility in Developing and Emerging Markets	<u>Onyeka Osuji</u>	Cambridge	New Edition June 2022
3	Smart Cities for Sustainable Development	<u>Ram Kumar Mishra, Ch Lakshmi Kumari, Sandeep Chachra, P.S. Janaki Krishna</u>	Springer Switzerland	March 2022
4	Sustainable Development: Linking Economy, Society, Environment	Tracey Strange and Anne Bayley		
5	Management Of Resources For Sustainable Devpt	Sushma Goyal	The Orient Blackswan	2016
6	Energy, Environment and Sustainable Development: Issues and Policies	S. Ramaswamy Sathis G. Kumar	Regal Publications	2009
7	The New Map: Energy, Climate, and the Clash of Nations	<u>Daniel Yergin</u>	Penguin Press	September 2015

(a) Books:

8	Contributions of Education for Sustainable Development (ESD) to Quality Education:	Laurie, R., Nonoyama-Tarumi, Y., Mckeown, R., & Hopkins, C.	A Synthesis of Research. Journal of Education for Sustainable Development, 10(2), 226–242.	2016
9	Sustainable Results in Development: Using the SDGs for Shared Results and Impact	OECD	OECD Publishing, Paris	2019
10	Development Discourse and Global History from colonialism to the sustainable development goals	Ziai, Aram	Routledge, London & New York	2016
11	Sustainable Development Goals An Indian Perspective,	Hazra, Somnath., Bhukta, Anindya	Springer Switzerland	2020
12	Environmental Ecology, Biodiversity and Climate Change	HM Saxena	Rawat Publication	January 2021
13	https://www.un.org/sustainabledevelopment/			
14	https://www.aiu.ac.in/documents/AIU_Publications/UN-SDG_goals			
15	https://www.unesco.org/en/education-sustainable-development			
16	https://onlinecourses.nptel.ac.in/noc23_hs57/preview			
17	https://www.iau-hesd.net/news/5180-berlin-declaration-education-sustainable-developed-unesco-esd-conference-17-19			development-

Curriculum Development Team

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AKS University
Faculty of Social Science and Humanities
Department of Arts

Curriculum of Communication Skills

BA Semester-I

Course Code: HMC01
Course Title : Communication Skill
Pre- requisite: Students should have basic knowledge of presenting themselves, their thoughts and ideas.

Rationale: Communication skill will make a student versatile and confident enough to portray his/her skills. Students will be able to groom their personality with multiple traits. Students will be able to crack any interview, will be able to actively participate in any group discuss.

Course Outcome

CO1:HMC01.1 Building up of confidence and presentation skill.

CO2:HMC01.2 Students will be able to exhibit group discussion and interview skills.
Students will be able to communicate effectively in Hindi and English languages without hindrances.

CO3:HMC01.3 Students will be able to understand the concept of basic grammar.
The study of Dramas and Poems written by Indian Writers.

CO4:HMC01.4

CO5: HMC01.5

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
	HMCO1		2	0	1	1	4	2

Legend:

CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:**Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)						
			Progressive Assessment (PRA)					End Semester Assessment	Total Marks
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CA T+AT)	nt (ESA) ks (PRA + ESA)

	HM CO 1	Communication Skill	15	20	5	5	5	50	50	100
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AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of Communication Skills

Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

HMC01.1. To enhance the speaking skills of the students in such a way where they will be able to communicate effectively with immense self confidence in themselves.

Approximate Hours

Item	Appx Hrs.
CI	8
LI	0
SW	0
SL	1
Total	9

	Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO1.1Students will be able to introduce themselves</p> <p>SO1.2Understand the concept of Oral Presentation</p> <p>SO1.3Students will be able to dress and present effectively</p> <p>SO1.4 Understand the importance of Body Language</p> <p>SO1.5Students will be able to influence mass through skit and dramas</p>		<p>Unit 1: Self-grooming, Basic Etiquettes and Presentation Skill</p> <p>1.1Self-introduction</p> <p>1.2Oral Presentation on The importance of Education</p> <p>1.3 The importance of English in Today’s World</p> <p>1.4 Necessity of uniforms in a college</p> <p>1.5Professional dressing and grooming etiquettes.</p> <p>1.6Body Language tips and techniques.</p> <p>1.7 Role play was conducted on following topics: Classroom interaction</p> <p>1.8 Role play on Hospital Scene and Scene at Railway Station</p>	<p>Prepare on the given topics</p> <p>Prepare a play on the given topics</p>
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HMC01.2 To develop the leadership skills, public speaking skills and social skills in students along with the basic knowledge of how to make an impressive resume.

Approximate Hours

Item	Appx Hours
CI	6
LI	0
SW	1
SL	1
Total	8

<p>Session Outcomes (SOs)</p>	<p>(LI)</p>	<p>Class room Instruction (CI)</p>	<p>(SL)</p>
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<p>SO2.1 Understand the techniques of Group Discussion</p> <p>SO2.2 Understand the concept of Debate.</p> <p>SO2.3 Students present their prepared debate.</p> <p>SO2.4 Students will actively participate in group discussion</p> <p>SO2.5 Students will be able to prepare themselves for interview.</p>		<p>UNIT 2 – Confidence building skills, Interview Skills and Resume Writing</p> <p>2.1 Group Discussion on impact of covid 19 on mental health</p> <p>2.2 Discussion on impact of social media on lives, pros and cons of technology</p> <p>2.3 Debate</p> <p>2.4 Presentation of prepared debate speeches.</p> <p>2.5 Interviews and their Kinds (Mock Interview Session)</p> <p>2.6 Resume Writing</p>	<p>Prepare debate on given topics</p> <p>Prepare for mock interview.</p>
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HMC01.3: To improve the presentation skills of the students that plays a pivotal role in building and shaping the career of the students.

Approximate Hours

Item	Appx Hours
CI	6
LI	0
SW	1
SL	1
Total	8

<p>Session Outcomes (SOs)</p>	<p>(LI)</p>	<p>Class room Instruction (CI)</p>	<p>(SL)</p>
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<p>SO3.1 Students will understand the value of speech.</p> <p>SO3.2 Students will be able to host different programmes.</p> <p>SO3.3 Students will be able to think and speak instantaneously.</p> <p>SO3.4 To make them understand the inquiry procedure at public places</p> <p>SO3.5 Students will learn effective interaction skill</p>	.	<p>Unit-3 :Public Speaking Skills& Conversational Skills</p> <p>3.1 Speech /Anchoring</p> <p>3.2 Types of Speech</p> <p>3.3 National Science Day speech , Valedictory Speech, Patriotic speech,</p> <p>3.4 Extempore</p> <p>3.5Pros and Cons of Online teaching, Environment Conservation and Education of a Girl Child)</p> <p>3.6Conversational Topics (Inquiry at bank, Airport, Station and Hospitals)</p>	
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HMC01.4: To focus on improving the fundamental grammar of the students in order to bring accuracy while speaking and writing.

Approximate Hours

Item	Appx Hours
CI	7
LI	0
SW	1
SL	0
Total	8

<p>Session Outcomes (SOs)</p>	<p>(L I)</p>	<p>Class room Instruction (CI)</p>	<p>(SL)</p>
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<p>SO4.1 Understanding about the use of Prepositions.</p> <p>SO4.2 Students will be able to understand the usage of Tenses</p> <p>SO4.3 Understand the concept of Active and Passive Voice</p> <p>SO4.4 To understand the usage of Modals</p> <p>SO4.5 Use of correct grammar in day to day conversation</p>	.	<p>Unit-4 : Functional Grammar and Vocabulary Building</p> <p>4.1 Prepositions (Place, Time and Direction),</p> <p>4.2 Usage of preposition.</p> <p>4.3 Tenses (Present, Past and Future),</p> <p>4.4 Usage of tenses in day to day life</p> <p>4.5 Voice (Active and Passive)</p> <p>4.6 Usage of active and passive voice.</p> <p>4.7 Modals.</p>	
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HMC01.5 To make them aware of the Indian Culture and English Language by imbibing the dramas and poetry of some famous Indian English Writers.

Item	Appx Hours
CI	3
	0
SW	1
SL	1
Total	4

<p>Session Outcomes (SOs)</p>	<p>(LI)</p>	<p>Class room Instruction (CI)</p>	<p>(S L)</p>
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<p>SO5.1 Students will be able to understand the value of Indian Literature.</p> <p>SO5.2 Students will be able to analyse the work of Indian Writers</p> <p>SO5.3 Students will relate with the power of perspective and accountability.</p> <p>SO5.4 Students become acquainted with the power of unity.</p> <p>SO5.5 Students understand the importance of choices and its impact on life</p>	<p>Unit 5-Indian Writing in English& Hindi</p> <p>5.1 The Axe- R.K. Narayan</p> <p>5.2 The Night of the Scorpion- Nissim Ezekiel</p> <p>5.3 The Portrait of a Lady - Khushwant Singh</p>
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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+S l)
1: Building up of confidence and presentation skill.	8	1	1	10
2: Students will be able to exhibit group discussion and interview skills.	6	1	1	8
3: Students will be able to communicate effectively in Hindi and English languages without hindrances.	6	1	1	8
4- Students will be able to understand the concept of basic grammar.	7	1	0	8
5- The study of Dramas and Poems written by Indian Writers.	3	1	1	5
Total Hours	30	05	04	39

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
	Self-grooming, Basic Etiquettes and Presentation Skill.				
	Confidence building skills, Interview Skills and Resume Writing.				
	Public Speaking Skills& Conversational Skills.				
	Functional Grammar and Vocabulary Building.				
	Indian Writing in English& Hindi.				
	Total				

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for communication skills will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Brainstorming

Suggested Learning Resources:

(a) Books :

CO1 Building up of confidence and presentation skill.	-	1	2	2	3	1	1	3	3	3	1	3
CO2: Students will be able to exhibit group discussion and interview skills.	-	3	2	2	2	1	1	3	3	3	1	3
CO3: Students will be able to communicate effectively in Hindi and English languages without hindrances.	-	2	2	2	1	1	1	3	1	3	1	3
CO4: Students will be able to understand the concept of basic grammar	-	3	2	2	1	1	1	1	1	3	1	3
CO5: The study of Dramas and Poems written by Indian Writers.	-	3	2	2	1	1	1	2	1	3	1	3

Legend: 1 – Low, 2 – Medium, 3 – High

AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of BA HISTORY
(Revised as on 01,08,2023)

AKS University
Faculty of Social Science and Humanities
Department of Social Science and Humanities
Curriculum of Bachelor of Arts
(Revised as on 01.08.2023)

Semester-I

Course Code: 1CA101

Course Title : Data Processing Software

Pre-requisite: Student should have basic knowledge of computer such as Input devices, central processing unit and output devices. Student should aware of how to power on computer and how to shut down computer.

Rationale: The subject of Data processing software much like the suite of tools offered by Microsoft Office, is an indispensable resource in today's digital era. Just as Microsoft Office applications streamline and enhance productivity in various office tasks, this subject empowers individuals and organizations to make informed decisions about their computing resources, resulting in increased productivity and cost-efficiency. Much like Word helps craft documents, Excel crunches numbers, and PowerPoint delivers impactful presentations, our subject equips students with the knowledge and skills needed to navigate the dynamic world of personal computing. It's a bit like having the right software for the job, where understanding the right PC package configuration and customization is key to achieving desired outcomes.

Course Outcomes:

CO 1: Acquire the knowledge of the fundamentals and features of MS Windows, including various versions, screen elements, dialog boxes, and toolbars.

CO 2: Acquire the basic and advances knowledge of MS word and word processing.

CO 3: Acquire the basic and advances knowledge of MS Access and data base system.

CO 4: Acquire the basic and advances knowledge of MS Excel and Spreadsheet software. **CO 5:**

Acquire the basic and advances knowledge of Making Power Point Presentation Using MS PowerPoint.

Scheme of Studies:

Course Category	Course Code	Course Title	Scheme of studies(Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total StudyHours(CI+LI+SW+SL)	
	1CA101	Data Processing Software	4	2	1	1	8	6

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Legend: CI: Class room Instruction(Includes different instructional strategies i.e. Lecture(L) and Tutorial (T) and others).

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work(includes assignment, seminar, miniprojectetc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)		
			Progressive Assessment (PRA)	End Semester	Total

			Class/Homework Assignment 5 number 3 marks	Class Test 2 (2 best out of 3)	Seminar one	Class Activity any	Class Attendance	Total Marks	Assessment	Marks
			each (CA)	10 marks each (CT)	(SA)	one (CA T)	(AT)	(CA+CT+SA+CAT+AT)	(ESA)	(PRA+ESA)
	02C A101	Data Processing Software	15	20	5	5	5	50	50	100

Course-Curriculum Detailing:

This course Curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO 1: Acquire the knowledge of the fundamentals and features of MS Windows, including various versions, screen elements, dialog boxes, and toolbars.

Approximate Hours

Item	Appx Hrs.
CI	11
LI	6
SW	1
SL	1
Total	19

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO1.1 Introduction to MS Windows and its Features</p> <p>SO1.2 Understanding Versions of Windows and their Use</p> <p>SO1.3 Navigating the Windows Environment</p> <p>SO1.4 Understanding the Dialog Boxes, Toolbars, and File Handling</p> <p>SO1.5 Understanding the Shortcuts, Auto Starts, and Accessories.</p>	<p>LI1. Exploring the Windows Environment. (Familiarize students with the basic features and interface of Windows.)</p> <p>LI2. Managing Files and Folders(Teach students how to organize and navigate through files and folders.)</p> <p>LI3. Customizing the Windows Desktop(Explore desktop customization options and working with icons.)</p> <p>LI4. Using Windows Explorer(Introduce students to Windows Explorer and file management.)</p>	<p>Unit-1.0 MS Windows</p> <p>1.1. Understand the history and significance of MS Windows as an operating system.</p> <p>1.2. Identify and explain the key features and functionalities of MS Windows, including its graphical user interface and multitasking capabilities.</p> <p>1.3. Differentiate between various versions of Windows, such as Windows 10, 11, and Windows Server, and understand their specific use cases in personal and professional environments.</p> <p>1.4. Demonstrate proficiency in working with the Windows desktop, icons, and Windows Explorer for effective file and folder management.</p> <p>1.6. Describe the elements of the Windows screen and understand</p>	
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	<p>LI5 Control Panel and System Settings(Familiarize students with the Control Panel and system settings.)</p> <p>LI6 Installing Software (Guide students through the process of installing new software.)</p>	<p>different working styles for file management, application launching, and window management.</p> <p>1.7. Interact with dialog boxes and toolbars within Windows applications, enabling customization of settings and efficient task execution.</p> <p>1.8. Develop skills in working with files and folders, including creating, copying, moving, renaming, and deleting, and organizing content for improved accessibility.</p> <p>1.9. Explore Windows accessories and settings through the Control Panel, allowing for the customization of the operating system to suit individual preferences and needs.</p> <p>1.10. Create shortcuts to programs and files, streamlining workflow and increasing efficiency.</p> <p>1.11 Familiarize students with the basic functions of the Start button and navigating through program lists.</p> <p>1.12 Equip students with the skills to install new software on a computer.</p> <p>1.13 Introduce students to the process of installing new hardware components in a computer.</p>	
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CO 2: Acquire the basic and advances knowledge of MS word and word processing.

Approximate Hours

Item	Appx Hours
CI	13
LI	6
SW	1
SL	1
Total	21

Session Outcomes (SOs)	(LI)	Classroom Instruction (CI)	(SL)
<p>SO2.1 Introduction to MS Word and Document Creation</p> <p>SO2.2 Editing and Text Enhancement</p> <p>SO2.3 Text Alignment and Formatting</p> <p>SO2.4 Text Replacement and Checking</p> <p>SO2.5 Document Printing and Formatting</p> <p>SO2.6 Working with Tables and Graphics in Word</p>	<p>LI1. Understand the Word Window and Basic Text Entry.(Familiarize students with the Microsoft Word interface, including the ribbon, menus, and tools.)</p> <p>LI2. Mastering Text Editing and Formatting Techniques(Equip students with fundamental text editing skills, including cut, copy, paste, and text selection.)</p> <p>LI3. Apply Text Enhancements and Font Styles(Enable students to enhance document aesthetics by applying formatting options like bold, italic, and underline.)</p> <p>LI4. Highlight Text and Explore Alignment Options(Develop skills in emphasizing specific text through highlighting and exploring alignment choices.)</p> <p>LI5. Print Preview and Printing Options(Introduce students to Print Preview and various printing options.)</p> <p>LI6. Understand Mail Merge Concepts and Functions(Introduce students to the concept of Mail Merge and its applications.</p>	<p>Unit 2.MS word</p> <p>2.1 Understand the Word window interface and its components.</p> <p>2.2. Learn how to create Word documents, enter text, and apply basic text formatting.</p> <p>2.3. Explore text editing techniques, including selecting text, copying, moving, and deleting text within a document.</p> <p>2.4. Apply text enhancements such as fonts, font styles, and highlighting for a distinctive look in Word documents</p> <p>2.5. Learn to align and format text using alignment options, indentation, and line spacing settings.</p> <p>2.6. Understand how to use tabs effectively for precise text alignment and formatting.</p> <p>2.7. Create lists, numbers, and symbols in documents, including numbering and bullet lists and inserting special characters.</p> <p>2.8. Discover how to create and apply frequently used text elements for efficiency in document production.</p> <p>2.9. Master the art of finding and replacing text within a document, and explore advanced spelling and</p>	

		<p>grammar checking using the Thesaurus and commands.</p> <p>2.10. Learn how to use the Print Preview feature in Word to preview and adjust the appearance of printed documents.</p> <p>2.11. Understand how to change paper size, align text vertically, and set margins for optimal document formatting.</p> <p>2.12 Introduce students to essential formatting techniques in Microsoft Word. 2.13 Extend formatting knowledge to advanced techniques including section formatting and mail merging.</p>	
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CO 3: Acquire the basic and advances knowledge of MS Access and data base system.

Approximate Hours

Item	Appx Hours
CI	13
LI	6
SW	1
SL	1
Total	21

SessionOutcomes (SOs)	(LI)	ClassroomInstruction (CI)	(SL)
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<p>SO3.1 Introduction to MS Access and Database Fundamentals</p> <p>SO3.2 Understanding Database Creation and Table Management</p> <p>SO3.3 Working with Forms in MS Access</p> <p>SO3.4 Report Generation and Management</p> <p>SO3.5 Understanding Relational Databases and Data Relationships</p> <p>SO3.6 Understanding Advanced Data Analysis with Queries</p> <p>SO3.7 Understanding Automation with Macros and Advanced Access Features</p>	<p>LI1. Introduction to Database Concepts and MS Access Workspace(Introduce students to fundamental database concepts and the MS Access workspace.)</p> <p>LI2. Creating Databases and Tables(Equip students with skills to create databases and tables in MS Access.)</p> <p>LI3. MS Access Forms and Data Entry(Introduce students to MS Access forms and data entry.)</p> <p>LI4. Query Creation and Data Retrieval(Develop skills in creating queries for data retrieval.)</p> <p>LI5. Reports in MS Access(Guide students in creating, previewing, and printing reports in MS Access.)</p> <p>LI6. Relational Databases and Advanced Features(Introduce students to advanced features in relational databases.)</p>	<p>Unit-3 : MS Access</p> <p>3.1 Understand fundamental concepts and terms related to MS Access, including database tables, relational databases, records, fields, controls, and objects.</p> <p>3.2. Explore the requirements for using MS Access, how to start and quit the application, and become familiar with the workspace, tools, and different views.</p> <p>3.3. Learn how to create a database in MS Access, both with and without the wizard, and understand the importance of field names, data types, and properties.</p> <p>3.4. Master the skills of adding, deleting, renaming fields, and setting properties, including field captions, resizing, and freezing columns.</p> <p>3.5. Explore the concept of primary key fields and indexing fields to optimize database performance.</p> <p>3.6. Use the Form Wizard to create forms in MS Access and learn how to save and modify these forms.</p> <p>3.7. Enter and edit data within</p>	
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		<p>forms, apply finding and sorting techniques, and discover how to display data effectively. Understand the process of creating queries, using select queries, and implementing wildcards for advanced data retrieval.</p> <p>3.8. Learn to create reports in MS Access, preview them, and understand how to print reports effectively.</p> <p>3.9. Discover how to modify and save reports, including customization of report layouts and designs</p> <p>3.10. Understand the definition and purpose of relational databases in MS Access, including the creation, viewing, and deleting of relationships between tables.</p> <p>3.11. Explore the use of expressions for calculations and data manipulation within the database.</p> <p>3.12. Create PivotTable and PivotChart views in an Access desktop database for advanced data analysis and visualization.</p> <p>3.13. Delve into advanced features and functionalities of MS Access, such as data import/export, database security, and working with linked tables.</p>	
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CO 4: Acquire the basic and advances knowledge of MS Excel and Spreadsheet software.

Approximate Hours

Item	Appx Hours
CI	13
LI	6
SW	1
SL	1
Total	21

Session Outcomes (SOs)	(LI)	Classroom Instruction (CI)	(SL)
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<p>SO4.1 Introduction to Excel and Data Entry</p> <p>SO4.2 Working with Numbers and Formulas</p> <p>SO4.3 Worksheet Layout and Formatting</p> <p>SO4.4 Printing and Worksheet Spelling Checking</p> <p>SO4.5 Advanced Techniques Macros Excel</p> <p>SO4.6 PivotTables, and Data Analysis</p>	<p>LI1 Introduction to Excel Basics.(Familiarize students with the Excel Application Window, Workbooks, and Worksheets.)</p> <p>LI2. Entering and Editing Text and Numbers(Develop skills in entering and revising text and numbers in Excel.)</p> <p>LI3. Working with Numbers and Formulas(Introduce students to creating formulas and formatting numbers.)</p> <p>LI4. Changing Worksheet Layout and Formatting Options(Enable students to manipulate the layout of a worksheet and apply formatting options.)</p> <p>LI5. Advanced Techniques: Functions, References, and Charts(Familiarize students with advanced Excel techniques, including functions, references, and charts.)</p> <p>LI6. Macros, PivotTable, and Data Analysis(Introduce students to advanced Excel features like Macros and PivotTables for data analysis.)</p>	<p>Unit-4 : Creating Excel Worksheets</p> <p>4.1. Navigate the Excel application window, workbooks, and worksheets effectively.</p> <p>4.2. Learn how to move the cell pointer, enter text and numbers, and revise cell entries as needed. 4.3. Change the layout of worksheets by adjusting column width, row height, and inserting/deleting rows, columns, and cells.</p> <p>4.5. Learn how to name worksheets, select and manage multiple worksheets, and explore additional formatting options, including text alignment, borders, and colors.</p> <p>4.5. Navigate Excel's printing features, including print preview and changing page setup for well-</p>	
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		<p>formatted printouts.</p> <p>4.6. Discover how to spellcheck and set up error checking in worksheets to ensure data accuracy.</p> <p>4.7. Utilize Excel functions effectively, including entering functions and working with named ranges.</p> <p>4.8. Create easy-to-understand charts, including pie charts and series charts, while learning to move, size, and print chart objects.</p> <p>4.9. Edit and format charts by adding, deleting, and modifying data series.</p> <p>4.10. Explore the basics of macros and how they can automate tasks in Excel.</p> <p>4.11. Learn to create PivotTables to analyze and summarize large sets of data in worksheets.</p> <p>4.12 Equip students with advanced skills in using functions, cell references.</p> <p>4.13 Enhance students' proficiency in editing and formatting Excel charts for clear data representation.</p>	
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CO 5: Acquire the basic and advances knowledge of Making Power Point Presentation Using MS PowerPoint.

Item	Appx Hours
CI	10
LI	6
SW	1
SL	1
Total	18

Session Outcomes (SOs)	(LI)	Classroom Instruction (CI)	(SL)
<p>SO5.1 Introduction to PowerPoint and Basic Presentation Creation</p> <p>SO5.2 Text Formatting and Spell and Grammar Checking</p> <p>SO5.3 Transitions, Animation, and Linking</p> <p>SO5.4 Preparing Handouts and Finalizing Presentations</p>	<p>LI1 Introduction to Basic Presentation Creation(Introduce students to creating a basic presentation and understanding the PowerPoint interface.)</p> <p>LI2 Building Presentations and Modifying Visual Elements(Equip students with skills to build presentations and modify visual elements)</p> <p>LI3 Formatting and Checking Text in Presentations(Develop skills in formatting and checking text for clarity and professionalism.)</p> <p>LI4. Adding Objects to Enhance Presentations(Enable students to enhance presentations by adding various objects.)</p> <p>LI5 Applying Transitions, Animation Effects, and Linking(Introduce students to making dynamic presentations through</p>	<p>Unit 5: Creating PowerPoint Presentations:</p> <p>5.1. Discover how to format and check text in PowerPoint slides, including using different fonts, styles, and bullet points.</p> <p>5.2. Learn to add and manipulate objects like shapes, images, and SmartArt to enhance your presentation.</p> <p>5.3. Apply slide transitions and animation effects to make your presentation engaging and dynamic</p> <p>5.4. Explore how to link slides and create a seamless flow between different sections of your presentation.</p> <p>5.5. Understand how to prepare handouts for your audience, including layout options and printing settings.</p> <p>5.6. Learn techniques for finalizing and reviewing your presentation, ensuring it is well-prepared and error-free before the actual presentation.</p> <p>5.7 Introduce linking within</p>	

	transitions, animations, and linking.) LI6. Preparing Handouts for Presentation(Guide students in preparing handouts for effective communication.)	presentations and preparing handouts for effective communication. 5.8 Enhance presentations by incorporating various objects, transitions, and animation effects. 5.9 Equip students with text formatting skills and tools for error-checking in presentations. 5.10 Develop skills in building presentations and modifying visual elements for improved aesthetics.	
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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (CI)	Laboratory Instruction (LI)	Sessional Work (SW)	Self Learning (SI)	Total hour (CI+SW+SI)
CO 1: Acquire the knowledge of the fundamentals and features of MS Windows, including various versions, screen elements, dialog boxes, and toolbars.	11	6	1	1	13
CO 2: Acquire the basic and advances knowledge of MS word and word processing.	13	6	1	1	15
CO 3: Acquire the basic and advances knowledge of MS Access and data base system	13	6	1	1	15
CO 4: Acquire the basic and advances knowledge of MS Excel and Spread sheet software.	13	6	1	1	15
CO 5: Acquire the basic and advances knowledge of Making Power Point Presentation Using MS PowerPoint.	10	6	1	1	12
Total Hours	60	30	05	05	70

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	UnitTitles	MarksDistribution			Total Marks
		R	U	A	
CO-1	MS Windows	01	01	03	05
CO-2	MS Word	01	01	03	05
CO-3	MS Access	-	03	10	13
CO-4	Creating Excel Worksheets	-	03	10	13
CO-5	Creating PowerPoint Presentations	01	03	10	14

Total	03	12	36	50
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Legend: R:Remember, U:Understand, A:Apply

The end of semester assessment for Financial Accounting will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Brainstorming

Suggested Learning Resources:

(a) Books:

S. No.	Title	Author	Publisher	Edition & Year
1	Microsoft Office 97	Will Train Gini Courter Annette Marquis	<i>BPB Publication.</i>	
2	Microsoft Office 2000	Gini Courter & Annette Marquis	<i>BPB Publication</i>	
3	MS Office 2000 for Everyone	Saxena Sanjay		
4				

CO-PO-PSO Mapping

PO NO.	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Program Outcomes	Engineering knowledge	Problem Analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Being able to comprehend and put knowledge of software application analysis, design, and	Apply knowledge and skills for computer practice while upholding social, ethical, and	The capacity to work with cutting - edge computing systems and pursue employment in the IT
CO1	2	3	3	3	3	1	1	3	1	1	1	3	1	2	1
CO2	2	3	2	3	2	2	2	2	2	1	1	3	2	2	3
CO3	2	2	2	3	1	2	1	2	1	2	1	3	1	2	2
CO4	2	1	2	2	3	2	1	3	2	2	2	3	2	3	2
CO5	2	2	2	2	3	2	3	3	1	1	2	3	3	2	2

Course Curriculum Map

	Cos No. & Titles	SOs No.	Laboratory Instruction(LI)	Classroom Instruction (CI)	Self
7,8,9,	CO 1: Acquire the knowledge of the fundamentals and features of MS Windows, including various versions, screen elements, dialog boxes, and toolbars.	SO1:1.1 SO2:1.2 SO3:1.3 SO4:1.4 SO5:1.5	LI:1 LI:2 LI:3 LI:4 LI:5 LI:6	Unit-1: MS Window 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11,1.12,1.13	As M in Pa —
7,8,	CO 2: Acquire the basic and advanced knowledge of MS word and word processing.	SO1:2.1 SO2:2.2 SO3:2.3 SO4:2.4 SO5:2.5 SO6:2.6	LI:1 LI:2 LI:3 LI:4 LI:5 LI:6	Unit-2 : MS Word 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,2.12,2.13	
7,8,	CO 3: Acquire the basic and advanced knowledge of MS Access and data base system.	SO1:3.1 SO2:3.2 SO3:3.3 SO4:3.4 SO5:3.5 SO6:3.6 SO7:3.7	LI:1 LI:2 LI:3 LI:4 LI:5 LI:6	Unit-3 : MS Access 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,3.12,3.13	
7,8,	CO 4: Acquire the basic and advanced knowledge of MS Excel and Spreadsheet software.	SO1:4.1 SO2:4.2 SO3:4.3 SO4:4.4 SO5:4.5 SO6:4.6	LI:1 LI:2 LI:3 LI:4 LI:5 LI:6	Unit-4: Creating Excel Worksheets 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13	
7,8,	CO 5: Acquire the basic and advanced knowledge of Making Power Point Presentation Using MS PowerPoint.	SO1:5.1 SO2:5.2 SO3:5.3 SO4:5.4	LI:1 LI:2 LI:3 LI:4 LI:5 LI:6	Unit5: Creating Power Point Presentation 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10	

AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of BA HISTORY
(Revised as on 01,08,2023)

Semester-I

Course Code: 01HI101

Course Title : History of Ancient India (from Early to 1205 AD) **Pre- requisite:**
This course can be opted by any student who has passed 12 th class

Rationale: 'It's all about India's glorious past.'

The students will learn to analyze the various stage of evolution and development of man in the Prehisrtoric , Prohistoric and Historic age . To have an in depth knowledge about the ancient civilization of India like Indus -Saraswati civilization,Vedic civilization ,later Vedic civilization etc .

Course Outcomes:

The students will learn to;

01HI101.1-Analyze the various stage of evolution and development of man in the Prehisrtoric , Protohistoric and Historic age.

01HI101.2-To have an in depth knowledge about the ancient civilization of India like Indus Saraswati civilization,Vedic civilization ,later Vedic civilization etc .

01HI101.3-To explain in detail about golden past of India during the Mauryan and Gupta period ,their conquests ,art ,architecture and literature etc.

01HI101.4 -They will also able to write meningful essays on the nature state,society and economy during Early Medieval dynasties of Northern India .

01HI101.5- They will also able to write meningful essays on the brave and courageous Rajput clans and the South Indian dynasties of India .

AKS University
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Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
Program Core	1HI101	History of Ancient India (from Early to 1205 Ad)	6	0	0	0	6	6

Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:**Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							End Assessment	Total Marks
			Progressive Assessment (PRA)								
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CA T)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)		(PRA + ESA)	
									(ESA)		

1HI10 1	History of Ancient India from (Early to 1205 AD)	15	20	5	5	5	50	50	100
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Course-Curriculum Detail

This course curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

01HI101.1 Students will be Analyze the various stage of evolution and development of man in the Prehisrtoric , Prohistoric and Historic age and also aquire knowledge about ancient civilization and vedic age , religious and cultural life .

Approximate Hours

Item	Appx Hrs.
CI	24
LI	0
SW	1
SL	1
Total	26

	Session Outcomes (SOs)	(L I)	Class room Instruction (CI)	(S)
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L

<p>SO1.1 Understand the Concept and nature of History</p> <p>SO1.2 Understand the Concept of tool and technique during Pre historic period .</p> <p>SO1.3 Understand the concept behind town planning of Harappan civilization</p> <p>SO1.4 Evaluate the culture and political condition of vedic Period</p> <p>SO1.5 Write meaningful essay on economic condition and religious life of Vedic period</p>	<p>UNIT 1 Prehistoric and Protohistoric Period-</p> <p>1.1 meaning of History</p> <p>1.2 ,Nature of History</p> <p>1.3 scope of History</p> <p>1.4 significance of History</p> <p>1.5 Various Sources of Ancient Indian History .</p> <p>1.6 Geographical Condition of Ancient India.</p> <p>1.7 Prehistoric India ; Stone Age –Paleolithic</p> <p>1.8 Mesolithic</p> <p>1.9 Neolithic</p> <p>1.10 Chalcolithic Cultures</p> <p>1.11 Protohistoric India-Indus</p> <p>1.12 Saraswati civilization origin</p> <p>1.13 expansion & different arts</p> <p>1.14 The New centres of Harappan Civilization .</p> <p>1.15 Vedic Culture</p> <p>1.16. Rig Vedic Period</p> <p>1.17 Political condition of Vedic Period</p> <p>1.18 Social Condition of Vedic Period</p> <p>1.19 Economic condition of Vedic Period</p> <p>1.20 Religious Condition of Vedic Period</p> <p>1.21 Post Vedic period - Political</p> <p>1.22 Social condition of Post Vedic Period</p> <p>1.23 Economic condition of Post Vedic Period</p> <p>1.24 Religious Condition of Post Vedic Period .</p>
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01HI101.2-Student will . learn in detail about golden past of India during the Mauryan empire ,their achievements ,their conquests ,art ,architecture and literature .

Approximate Hours

Item	Appx Hours
CI	23
LI	0
SW	1
SL	1
Total	25

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)

<p>SO2.1 Concept about emergence of state and second urbanization.</p> <p>SO2.2 Understanding about the religious revolution in northern India</p> <p>SO2.3 Preparation of presentation on Mauryan dynasty</p> <p>SO2.4 Understanding the culture and architecture of post mauryan empire .</p> <p>SO2.5 Understanding the achievements of rulers of post mauryan empire .</p>	<p>.</p>	<p>UNIT 2- Mauryan and Post Mauryan Period</p> <p>2.1 Mahajanapadas</p> <p>2.2 Republics in 6th cen. BC.</p> <p>2.3 Religious Revolution in North India</p> <p>2.4 Jainism</p> <p>2.5 Philosophy of Jainism</p> <p>2.6 Buddhism.</p> <p>2.7 Philosophy of Buddhism</p> <p>2.8 Rise of Magadha .</p> <p>2.9 Alexanders Invasion</p> <p>2.10 Impact of Alexander Invasion</p> <p>2.11 Establishment of Mauryan Dynasty</p> <p>2.12 Sources of Mauryan Dynasty</p> <p>2.13 Chandragupta Maurya</p> <p>2.14 Administration of Chandragupta Maurya</p> <p>2.15 Ashoka and his Dhamma</p> <p>2.16 Mauryan Culture</p> <p>2.17 Architecture of Mauryan Period</p> <p>2.18 Decline of Mauryan Empire .</p> <p>2.19 Shunga Dynasty - Pushyamitra Shunga</p> <p>2.20 Achievements of Shunga Dynasty</p> <p>2.21 Satvahana dynasty</p> <p>2.22 Gautamiputra Shatkarni</p> <p>2.23 Achievements of Gautamiputra Shatkarni</p>	
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01HI101.3: Student will . learn in detail about golden past of India during the Gupta period ,their achievements ,their conquests ,art ,architecture and literature .

Approximate Hours

Item	Appx Hours
CI	16
LI	0
SW	1
SL	1
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(S L)

<p>SO3.1 Meaning and concept political condition of Gupta Period</p>	<p>.</p>	<p>Unit-3 : Gupta Period and Harshvardhan</p> <p>3.1-Establishment of Gupta Dynasty 3.2Chandragupta 1 3.3-Samudragupta 3.4Chandragupta –II (Vikramaditya) 3.5Achievements of Kumargupta and Skandagupta 3.6 Gupta culture 3.7Gupta Period - Golden Age 3.8Gupta –Vakataka relations 3.9 Shakari Vikramaditya and his cultural achievements 3.10-Divine of Gupta empire 3.11 Various theories of decline of Gupta Empire 3.12Huna Invasion and its impact 3.13-Pushybhuti Dynasty – Harshvardhan – 3.14Military campaigns – 3.15administration 3.16 religious achievements</p>	
<p>SO3.2 Understanding about the culture of Gupta Empire .</p>			
<p>SO3.3 Understanding the concept of Golden Age</p>			
<p>SO3.4 Understanding about the economic condition of Gupta and Post Gupta period .</p>			
<p>SO3.5 Understanding about the decline of Gupta empireSI</p>	<p>.</p>		

01HI101.4: Students will learn in detail about nature of state ,society and economy during Early Medieval dynasties of Northern India

Approximate Hours

Item	Appx Hours
CI	14
LI	0

SW	1
SL	1
Total	16

Session Outcomes (SOs)	(L D)	Class room Instruction (CI)	(S L)
<p>SO4.1 Understanding about the nature of state during early medieval period .</p> <p>SO4.2 Preparation of table on various theories of origin of Rajputs</p> <p>SO4.3 Understanding about socio-economic reasons behind origin of Rajputs .</p> <p>SO4.4 Understanding about the history ,culture and architecture of Northern Indian Dynasties.</p> <p>SO4.5 Preparation of table of achievements of north Indian dynasties and their rulers.</p>	.	<p>Unit-4 : Early Medieval Dynasties of Northern India</p> <p>4.1 Origin of the Rajputs</p> <p>4.2 Different theories</p> <p>4.3 Various Social Reasons</p> <p>4.4 Various Political reasons</p> <p>4.5 Various Cultural reasons</p> <p>4.6 Major Rajput dynasties :Gurjar Pratihara Dynasty</p> <p>4.7 Chandela Dynasty</p> <p>4.8 Parmara Dynasty</p> <p>4.9 Kalchuri Dynasty</p> <p>4.10History of various regional dynasties</p> <p>4.11Culture of various regional dynasties</p> <p>4.12ArchitectureVarious regional dynasties</p> <p>4.13 Bhoj</p> <p>4.14 Cultural achievements of Raja Bhoj</p>	

01HI101.5: Students will know about brave and courageous Rajput clans and the South Indian dynasties of India

Approximate Hours

Item	Appx Hours
CI	16
LI	0
SW	1
SL	1
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(S L)
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<p>SO5.1 Understand about the nature of state and administration</p> <p>SO5.2 Preparation of table of cultural achievements of rulers .</p> <p>SO5.3 Understanding about reason behind arab invasion and impact .</p> <p>SO5.4 Understanding about the reason of Turk invasions and impacts</p> <p>SO5.5 Understanding about the history , culture and architecture of south Indian dynasties .</p>		<p>Unit 5: South Indian Dynasties and Foreign Invasions on India</p> <p>5.1 Major dynasties of South Indian</p> <p>5.2 Pallava dynasty</p> <p>5.2 Chalukya Dynasty ,</p> <p>5.3 Rastrakuta dynasty</p> <p>5.4 Chola dynasty</p> <p>5.5 History</p> <p>5.6 Culture</p> <p>5.7 Architecture</p> <p>5.8 Expansion of Indian Culture in South East Asia</p> <p>5.9 Arab Invasion on India</p> <p>5.10 Impact of Arab Invasions</p> <p>5.11 Mohammad Bin Qasim</p> <p>5.12 Turk Invasions on India</p> <p>5.13 Impact of Turk Invasions</p> <p>5.14 Mehmud Ghaznevi</p> <p>5.15 Mohammad Ghori</p> <p>5.16 Impact and Nivasiyon of Mohammed Ghori</p>	
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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+Sl)
.1: Analyze the various stage of evolution and development of man in the Prehistoric , Prohistoric and Historic age	24	1	1	26
.2: To explain in detail about golden past of India during the Mauryan and Post Mauryan period,their conquests ,art ,architecture and literature etc.	23	1	1	25
3: To explain in detail about golden past of India during the Gupta period ,their conquests ,art ,architecture and literature etc.	16	1	1	18
4 They will also able to write meningful essays on the nature state,society and economy during Early Medieval dynasties of Northern India .	14	1	1	16
5- They will also able to write meningful essays on the brave and courageous Rajput clans and the South Indian dynasties of India .	16	1	1	18
Total Hours	93	05	05	103

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Prehistoric and Protohistoric Period	01	02	02	05

CO-2	Mauryan and Post Mauryan Period	01	02	02	05
CO-3	Gupta Period and Harshvardhan	1	02	10	13
CO-4	Early Medieval Dynasties of Northern India .	-	02	11	13
CO-5	South Indian Dynasties and Foreign Invasions on India	01	03	10	14
Total		04	11	35	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Financial Accounting will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Brainstorming

Suggested Learning Resources:

(a) Books :

S. No.	Title	Author	Publisher	Edition & Year

1	History of Ancient India .	Sharma R S	Oriental Blackswon ,New Delhi	Edition 2022
2	□□□□□□□ □□ □□□□ □□□□□□	□□□□□□□□□□ □. □□ .	□□ □□ □□ □□ □□□□□□□□ □	Edition 2022
3	□□□□□□□□ □□□□ □□ □□□□□□	□□□□□□ □□ □□	Sahitya Bhavan Publication House Agra	Edition 2022
4	Mr. Gaurav Singh Dept. of Arts , AKS University, Satna .			

Curriculum Development Team:

1-Mr. Gaurav Singh , Assistant Professor, Department of Arts

2-Mr, Rajeev Bairagi, Assistant Professor

3- Mrs Prachi Singh , Teaching Associate , Department of Arts

3-Dr.Pushpa Soni,Assistant Professor, Department of Arts

4-Dr. Usha Dwivedi ,Assistant Professor, Department of Arts

5-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts

6-Dr.Udaybhan Singh, Assistant Professor , Department of Arts

CO-PO Mapping:

P O N O.	PO1	PO2	PO3	PO4	PO5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	P O 12	PS O1	PSO2	PSO3
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Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Programme provides the base to better the responsible citizen	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Lifelong learning	Understand the socio, economic, religious and political condition of India through the age at the local, regional and national level.	Develop the skills needed to succeed in competitive examinations to enhance job opportunities in various history related fields e.g. archives, museums.	Discuss the development in art and architecture language and literature, science and technology.
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C O1	3	3	2	2	1	2	1	1	1	2	1	3	2	3	3
C O2	2	2	2	2	1	2	1	1	1	1	1	3	2	3	3
C O3	3	1	2	2	1	2	1	1	1	1	1	3	3	3	3
C O4	2	3	2	2	0	3	1	1	1	1	1	3	3	3	3
C O5	1	2	2	2	1	2	1	1	1	1	1	3	3	3	3

Course Curriculum Map

POs& PSOs /*-No.	COsNo.&Titles	SOsNo.	La bor ato ryI nst ruc tio n(LI)	Classroom Instruction(CI)	SelfLearn ing(SL)
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO:1,2, 3	CO- 1: Students will Analyze the various stage of evolution and development of man in the Prehisrtoric Protohistoric and Historic age	SO1:1 SO1.2 SO1.3 SO1.4 SO1.5		Unit-1.0 Prehistoric and Protohistoric Period 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8, 1.9,1.10,1.11,1.12,1.13,1.14,1. 15,1.16,1.17,1.18,1.19,1.20,1.2 1,1.22,1.23,1.24	As Mention ed in Page no. ____ to _____
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 2: Student will . learn in detail about golden past of India during the Mauryan empire ,their achievements ,their conquests ,art ,architecture and literature ..	SO2:1 SO2.2 SO2.3 SO2.4 SO2.5		Unit-2 Mauryan and Post Mauryan Period 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8 ,2.9,2.10,2.11,2.12,2.13,2.14,2. 15,2.16,2.17,2.18,2.19,2.20,2.2 1,2.22,2.23	

PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 3: Student will . learn in detail about golden past of India during the Gupta period ,their achievements ,their conquests ,art ,architecture and literature	SO3:1 SO3.2 SO3.3 SO3.4 SO3.5		Unit-3: Gupta Period and Harshvardhan 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8 ,3.9,3.10,3.11,3.12,3.13,3.14,3.15,3.16
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 4: Students will learn in detail about nature of state ,society and economy during Early Medieval dynasties of Northern India	SO4:1 SO4.2 SO4.3 SO4.4 SO4.5		Unit-4:Early Medieval dynasties of Northern India 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8 ,4.9,4.10,4.11,4.12, 4.13,4.14
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 5: Students will know about brave and courageous Rajput clans and the South Indian dynasties of India	SO5:1 SO5.2 SO5.3 SO5.4 SO5.5		Unit5: South Indian dynasties and foreign Invasions on India 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8 ,5.9,5.10,5.11,5.12,5.13,5.14 ,5.15,5.16

AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of BA ECONOMICS
(Revised as on 01.08.2023)
Semester-I

Course Code: Core-01EC101

Course Title : 1 INDIAN ECONOMY

Pre- requisite: This course can be opted by any student who has passed 12 thclass .Student should have basic knowledge of History ,politics ,society and economics.

Rationale: After completing this course, students will be able to sharpen the analytical skiAfterlls by highlighting on broad overview of the Indian economy. They will be familiar with the issues related to Agriculture, Industry, Foreign Trade, Economic Planning and various Economic Problems of India. Students will be acquainted with broad overview of Madhya Pradesh Economy. They will be

able to develop, analyse and interpret events and issues related to Indian Economy.

Course Outcomes:

The students will learn to;

CO 1: Analyze the trends and sectoral composition of national income, and demographic features

CO.2: TO explain green revolution and new technology in agriculture

CO 3: To explain in detail about MSME, startup india, and make in india CO

4 They will be able to know about nitiaayog and Indian economic problem

CO 5- They will also be able to know about Madhya Pradesh economy.

AKS University

Faculty of Social Science and Humanities

Department of Arts

Curriculum of BA ECONOMICS

(Revised as on 01.08.2023) Scheme

of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
Program Core	01EC101	Indian economy	6	0	0	0	6	6

- Legend:**
- CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),
 - LI:** Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)
 - SW:** Sessional Work (includes assignment, seminar, mini project etc.),
 - SL:** Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)		
			Progressive Assessment (PRA)	End Semester Assessment	Total Marks

			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)	nt (ESA)	(PRA + ESA)
01E	C10	Indian economy	15	20	5	5	5	50	50	100

AKS University

**Faculty of Social Science and Humanities
Department of Arts
Curriculum of BA INDIAN ECONOMY
(Revised as on 01.08.2023)**

Course-Curriculum Detailing:

This course curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO1: Analyze the trends and sectoral composition of national income, and demographic features

Approximate Hours

Item	Appx Hrs.
CI	18
LI	0
SW	2
SL	1
Total	21

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)

<p>SO1.1 Understand the Concept and nature of Indian economy</p> <p>SO1.2 Understand the Concept of trends and composition of national</p> <p>SO1.3 Understand the concept natural resource endowment</p> <p>SO1.4 understand demographic features</p> <p>SO1.5 understand sectoral distribution</p> <p>SO1.6 understand problem and causes of over population</p>		<p>Unit -1 introduction</p> <p>1.1 Meaning of Indian economy</p> <p>1.2 Nature of Indian economy</p> <p>1.3 Scope of Indian economy</p> <p>1.4 Significance of Indian economy</p> <p>1.5 Definition of national income</p> <p>1.6 Aggregates of national income</p> <p>1.7 Natural resource -land , water Natural resource livestock ,</p> <p>1.8 Forest resources</p> <p>1.9 Mineral resources</p> <p>1.10 Demographic features of population</p> <p>1.11 Population composition</p> <p>1.12 Growth rate workforce</p> <p>1.13 Problems population of India</p> <p>1.14 Causes of population 1.15</p> <p>Over population in India</p> <p>1.16 Population policy.</p> <p>1.17 Estimation of national income</p> <p>1.18 Trends in national income</p>	

CO 2: To explain green revolution and new technology in agriculture.

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	1
SL	01
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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SO2.1 Concept of nature of Indian agriculture SO2.2 concept of land use ,pattern SO2.3 understanding of agricultural productivity SO2.4 Understanding the concept of green revolution SO2.5 Understanding of agriculture finance and insurance, new technology in agriculture	UNIT -2 agriculture 2.1 Meaning of Indian agriculture 2.2 Importance of Indian agriculture 2.3 Nature of Indian agriculture 2.4 Trends in agriculture 2.5 Production productivity of agriculture 2.6 Characteristics of agriculture 2.7 land use pattern ,reform 2.8 Meaning of Green revolution 2.9 objective of Green revolution 2.10 achievements of Green revolution 2.11 Failures of Green revolution	
	2.12 Meaning Agriculture finance 2.13 Insurance Agriculture finance 2.14 agriculture marketing 2.15 meaning new agriculture technology 2.16 features new agriculture technology 2.17 Agriculture technology benefit 2.18 Land utilisation in india	

CO.3: To explain in detail about MSME ,startupindia,and make in india

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	1
SL	1
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO3.1 Meaning and concept industrial development SO3.2 Understanding about the industrial policy</p> <p>SO3.3 Understanding the concept of MSME</p> <p>SO3.4 Understanding about the make in india,aatmnirbharbharat.</p> <p>SO3.54 Understanding about the infrastrure composition.</p>	<p>Unit-3 : industry and infrastructure</p> <p>3.1 Industrial development India after independence</p> <p>3.2 New industrial policy</p> <p>3.3 Role of publicsector</p> <p>3.4 private sector industrialization</p> <p>3.5 MSME- Role</p> <p>3.6 Definition MSME</p> <p>3.7 Types MSME</p> <p>3.8 Problem remedies of small-scale industries Start up india,</p> <p>3.9 Make in IndiaAatmnirbharBharat</p> <p>3.10 Power,transport,communion Transport</p> <p>3.11 Agriculture credit</p> <p>3.12 Technological change in agriculture</p> <p>3.13 Agriculture mechanisation</p> <p>3.14 Importance of agriculture marketing</p> <p>3.15 Problems of agricultural marketing in india</p> <p>3.16 CO-Operative marketing system</p> <p>3.17 Merits CO-Operative marketing</p> <p>3.18 Merits of Agriculture mechanisation</p>
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CO 4: They will able to know about nitiaayog and Indian economic problem

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	02
SL	01
Total	21

<p>Session Outcomes (SOs)</p>	<p>(L I)</p>	<p>Class room Instruction (CI)</p>	<p>(S L)</p>
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<p>SO4.1 Understanding about the FOREIGN TRADE</p> <p>SO4.2 understanding about the role of investment</p> <p>SO4.3 Understanding about Indian planning</p> <p>SO4.4 Understanding about the NITI Aayog</p> <p>SO .5 understanding about the major problem in india</p>	.	<p>Unit-4 : foreign trade and development</p> <p>4.1 Meaning of India's Foreign Trade</p> <p>4.2 Importance of India's Foreign Trade</p> <p>4.3 Composition of India's Foreign Trade</p> <p>4.4 Direction of India's Foreign Trade</p> <p>4.5 Role of Foreign Direct Investment</p> <p>4.6 Multinational Corporations meaning</p> <p>4.7 Disinvestment in India,</p> <p>4.8 Indian Planning</p> <p>4.9 Objective of India's Foreign Trade</p> <p>4.10 Achievements of India's Foreign Trade</p> <p>4.11 Failures of Indian's Foreign Trade</p> <p>4.12 NITI Aayog,</p> <p>4.13 Indian Economic Problems</p> <p>4.14 Poverty in India</p> <p>4.15 Causes of poverty in India</p> <p>4.16 Unemployment in India</p> <p>4.17 Merits and demerits of unemployment</p> <p>4.18 Unemployment Regional Inequality merits and demerits</p>	
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CO.5- They will also able to know about Madhya Pradesh economy

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	02
SL	01
Total	21

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO5.1 Understand about the feature Of madhyaypradesh</p> <p>SO5.2 Understanding about the natural resource.</p> <p>SO5.3 Understanding about the trends in agriculture</p> <p>SO5.4 Understanding about the concept of orgenic forming</p> <p>SO5.5 understanding about industrial development,tourism in Madhya Pradesh</p>		<p>UNIT -5 Economy of Madhya Pradesh</p> <p>5.1 Madhya Pradesh's Economy Salient Feature</p> <p>5.2 Natural Resources of Madhya Pradesh Land</p> <p>5.3 Forest Resources in M.P.</p> <p>5.3 Water Resources in M.P.</p> <p>5.4 Minerals Resources in M.P.</p> <p>5.5 Trends and Regional Disparities in Agriculture Sector of Madhya Pradesh</p> <p>5.6 disparities in agriculture sector</p> <p>5.7 Organic Farming and Polyhouse in Madhya Pradesh</p> <p>5.8 Industrial Development in Madhya Pradesh</p> <p>5.9 industrial development in varies sector</p> <p>5.10 Infrastructure Development in Madhya Prade Power,</p> <p>5.11 Transport Communication</p> <p>5.12 Development of Tourism in madhya Pradesh tourism sector</p> <p>5.13 AG Resources or characteristics in M.P.</p> <p>5.14 Importance of AG Resources in M.P.</p> <p>5.15 Cropping pattern in M.P.</p> <p>5.16 Production of main crops</p> <p>5.17 Green revolution in M.P.</p> <p>5.18 Impact Green revolution in M.P.</p>	
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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+ Sl)
.1: Analyze the trends and sectoral composition of national income,and demographic features	18	2	1	21
.2: TO explain green revolution and new technology in agriculture	18	1	1	20
3:To explain in detail about MSME ,start upindia,and make in india	18	1	1	20
4 They will able to know about nitiaayog and Indian economic problem	18	2	1	21

5- They will also able to know about Madhya Pradesh economy.	18	2	1	21
Total Hours	90	08	05	103

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	introduction	01	02	02	05
CO-2	agriculture	01	02	02	05
CO-3	industry and infrastructure	1	0 2	10	13
CO-4	foreign trade and development	-	0 2	11	13
CO-5	economy of Madhya Pradesh	01	0 3	10	14
Total		04	1 1	35	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Indian economy will be held with written examination of 50 marks

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Brainstorming

Suggested Learning Resources:

(a) Books:

S. No.	Title	Author	Publisher	Edition & Year
1	INDIAN ECONOMY	MISHRA&PURI	HIMALAYA PUBLISHING HOUSE	2020
2	□□□□□□□□□□□□□□ □□□□□	□□□□□□□□□□□	SPPD Publication	

3	□□□□□□□□□□□□ □□□□□□□□□□□□ □□□□ 2020-21	□□□□□□□□□□□□ □□□□□□□□□□□□ □□□□□□□□□□□□ □□□□□□□□□□□□		2020-21
4	Lecture note provided by Dept. of ARTS AKS University, Satna .			

Curriculum Development Team:

- 1-Mrs prachisingh, Teaching associate, Department of Arts
- 2-Mr. Gaurav Singh , Assistant Professor, Department of Arts
- 3-Mr, Rajeev Bairagi, Assistant Professor
- 3-Dr.PushpaSoni,Assistant Professor, Department of Arts
- 4-Dr. Usha Dwivedi ,Assistant Professor, Department of Arts
- 5-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts
- 6-Dr.Udaybhan Singh, Assistant Professor , Department of Arts

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
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Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Programme provides the base to be the responsible citizen.	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Students will understand the concepts GNP, NNP, GDP, NDP, PCDI, Disposable Income. Students will understand various aspects and features of Indian economy	Student will know about Consumer's behavior. Demand analysis, cardinal and ordinal utility. It may also provide the information to the student for elasticity of demand, price, income and cross elasticity of demand. Students will learn about the concepts of statistical methods	Students can work efficiently in the field of banking, finance, industry, farming, consumer rights, production, research and trade
CO1	3	3	2	2	1	2	1	1	3	2	3	3	2	3	3
CO2	3	3	2	2	1	2	1	1	2	2	2	3	2	3	3
CO3	3	3	2	2	1	2	1	1	3	2	2	3	3	3	3
CO4	3	3	2	2	1	2	1	1	3	3	1	3	3	3	3
CO5	3	3	2	2	1	2	1	1	2	2	2	3	3	3	3

Course curriculum map

Pos & PSOs /#No.	Cos No. & Titles	SOs No.	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO:1,2, 3	CO- 1..Analyze the trends and sectoral composition of national income,and demographic features	SO1:1 SO1:2 SO1:3 SO1:4 SO1:5		Unit-1 agriculture 1.1,1.2,1.3,1.4, 1.5,1.6, 1.7,1.8,1.9,1.10,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18	As Mentioned in Page no. _____ to _____
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3,	CO- 2: TO explain green revolution and new technology in agriculture	SO2:1 SO2:2 SO2:3 SO2:4 SO2:5		Unit-2agriculture 2.1,2.2,2.3,2.4,2.5,2.6, 2.7,2.8,2.9,2.10,2.12,1.12,2.13,2.14,2.15,2.16 ,2.17,2.18	
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3,	CO-3: To explain in detail about MSME ,start up india,and make in india	SO3:1 SO3:2 SO3:3 SO3:4 SO3:5		Unit 3 industry and infrastructure3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,3.12, 3.13,3.14,3.15,3.16,3.17,3.18	
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3,	CO-4:4 They will able to know about nitiaayog and Indian economic problem	SO4:1 SO4:2 SO4:3 SO4:4 SO4:5		Unit-4:: foreign trade and development 4.1,4.2,4.3,4.4,4.4.6,4.7,4.8, 4.9,4.10, 4.11,4.12 ,4.13,4.14,4.15,4.16,4.17,4.18	
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3,	CO-5: They will also able to know about Madhya Pradesh economy.	SO5:1 SO5:2 SO5:3 SO5:4 SO5:5		Unit5 economy of madhyapradesh 1,5.2,5.3,5.4,5.5,5.6 ,5.7,5.8,5.9,5.10,5.11,5.12,5.13,5.14,5.15,5.16,5.17,5.18	

AKS University
Faculty of social science and humanities
Department of Arts
Curriculum of BA English Literature
(Revised as on 01.08.2023)

Semester-I

Course Code: 01EN101

Course Title : Study of Poetry

Pre- requisite: The student must have passed graduation degree from any stream, and is interested in getting information about political science.

Rationale: The Study of Poetry will not only instruct and delight the students, but also inspire them to have positivity, creativity and a new way of thinking. After the study of this paper, the students will be able to identify, interpret, analyze and appreciate the various elements of poetry, to develop literary intellect, and to appreciate the lyrical and sonorous quality of language.

Course Outcomes:

01EN101.1 The Study of Poetry will not only instruct and delight the students, 01EN101.2 Student will be able to have positivity, creativity and a new way of thinking. After the study of this paper, the students will be able:

01EN101.3 Student will be able to identify, interpret, analyze and appreciate the various elements of poetry

01EN101.4 Student will be able to develop literary intellect. 01EN101.5 Student will be able to appreciate the lyrical and sonorous quality of language.

AKS University
Faculty of social science and humanities
Department of Arts
Curriculum of BA English Literature
(Revised as on 4.11.223)

Scheme of Studies:

Board				Scheme of studies (Hours/Week)	Total
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of Study	Course Code	Course Title	CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	Credits (C)
Program Core	01EN101	Study of Poetry	4	02	0	0	6	6

Legend: CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:**Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment	Total Marks
			Progressive Assessment (PRA)						Total Marks		
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	(CA+CT+SA+CAT+AT)			
Program core	01EN101	Study of Poetry	15	20	5	5	5	50	50	100	

AKS University
Faculty of social science and humanities
Department of Arts
Curriculum of BA English Literature

(Revised as on 4.11.223) Course-Curriculum

Detailing:

This course curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

1 : The Study of Poetry will not only instruct and delight the students,

Approximate Hours

Item	Appx Hrs.
CI	12
LI	0
SW	01
SL	01
Total	14

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(S L)
<p>SO1.1 Understand the literature and its classification</p> <p>SO1.2 We will understand the Scope of Poetry from Chaucer to Milton</p> <p>SO1.3 Understand the Poetry of John Donne and Milton</p>		<p>Unit-1 Introduction to Literature and its classification</p> <p>1.1 Poetry from Chaucer to Milton</p> <p>1.2 Figures of Speech:</p> <p>1.3 Definition of Poetry</p> <p>1.4 Different ages with different socio-economic</p> <p>1.5 political backgrounds</p> <p>1.6 Literary Terminology</p> <p>1.7 Geoffrey Chaucer: The Wife of Bath</p> <p>1.8 The Pardoner (from <i>The Prologue to The Canterbury Tales</i>)</p> <p>1.9 John Donne:</p> <p>1.10 Death Be Not Proud</p> <p>1.11 John Milton</p> <p>1.12 On His Blindness</p>	

2- Student will be able to have positivity, creativity and a new way of thinking. After the study of this paper, the students will be able:

Approximate Hours

Item	Appx Hours
CI	14
LI	0
SW	01
SL	01
Total	16

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
<p>SO2.1 Will know the meaning of Poetry of Neoclassical and Romantic Age.</p> <p>SO2.2 Will understand the Poetry of William Wordsworth</p> <p>SO2.3 Will know about John Keats</p>	.	<p>Unit-2 Poetry in Neoclassical and Romantic Age</p> <p>2.1 Alexander Pope: 2.2 Examine The Rape of the Lock - Canto III 2.3 Significance of The Rape of the Lock - Canto III 2.4 Analyse work of Alexander Pope 2.5 William Wordsworth 2.6 Examine Solitary Reaper 2.7 Examine Ode to Autumn 2.8 Significance of Solitary Reaper 2.9 Significance of Ode to Autumn 2.10 Analyse work of William Wordsworth 2.11 John Keats 2.12 Significance of Ode to Autumn 2.13 Examine Ode to Autumn 2.14 Examine work of John Keats</p>	

3 Student will be able to identify, interpret, analyze and appreciate the various elements of poetry.

Approximate Hours

Item	Appx Hours
CI	12
LI	0
SW	01
SL	01
Total	14

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO3.1 Understanding The Poetry of Victorian Age .</p> <p>SO3.2 Understanding the poetry of Alfred Lord</p> <p>SO3.3 will also understand Dover Beach by Mathew Arnold .</p>	<p>.</p>	<p>Unit-3 Poetry in Victorian Age</p> <p>3.1 Alfred Lord Tennyson</p> <p>3.2 Significance of Break BreakBreak</p> <p>3.3Examine Break BreakBreak</p> <p>3.4Examine work of Alfred Lord Tennyson</p> <p>3.5Robert Browning</p> <p>3.6 significance of E.The Last Ride Together</p> <p>3.7Examine E.The Last Ride Together</p> <p>3.8Examine work of Robert Browning</p> <p>3.9 Matthew Arnold</p> <p>3.10Examine Dover Beach</p> <p>3.11Significance of Matthew Arnold</p> <p>3.12Examine work of Matthew Arnold</p>	

4 4 Student will able to develop literary intellect,.

Approximate Hours

Item	Appx Hours
CI	14
LI	0
SW	01
SL	01
Total	16

<p>Session Outcomes (SOs)</p>	<p>(LI)</p>	<p>Class room Instruction (CI)</p>	<p>(SL)</p>
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<p>SO4.1 Understanding of Indian Poetry</p> <p>SO4.2 Understanding the Indian Weavers.</p> <p>SO4.3 Will gain knowledge of Gitanjali Song</p>	<p>.</p>	<p>Unit-4 :Indian Poetry</p> <p>4.1.Toru Dutt</p> <p>4.2Significance of Our Casuarina Tree. Sita</p> <p>4.3Examined Our Casuarina Tree. Sita</p> <p>4.4Examined Works of Toru Dutt 4.5</p> <p>Sarojini Naidu:</p> <p>4.6Examine role of Sarojini Naidu</p> <p>4.7 significance of Indian Weavers</p> <p>4.8Significance of Indian Weavers</p> <p>4.9Examine works of Sarojini Naidu</p> <p>4.10Rabindranath Tagore</p> <p>4.11Role of Rabindranath Tagore</p> <p>4.12Significance of Gitanjali Song No</p> <p>4.13Examine Gitanjali Song No</p> <p>4.14Examine work of Rabindranath Tagore</p>	
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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+Sl)
1 The Study of Poetry will not only instruct and delight the students,	12	01	01	14
2- Student will be able to have positivity, creativity and a new way of thinking After the study of this paper, the students will be able:	14	01	01	16
3:- Student will be able to identify, interpret, analyze and appreciate the various elements of poetry	12	01	01	14

4 Student will able to develop literary intellect and to appreciate the lyrical and sonorous quality of language	14	01	01	16
Total Hours	52	05	05	62

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	1 •Introduction to Literature and its classification	01	01	03	05
CO-2	- Poetry in Neoclassical and Romantic Age	01	01	03	05
CO-3	Poetry in Victorian Age	-	03	10	13
CO-4	:Indian Poetry	-	03	10	13
CO-5					
Total		03	12	36	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Principles of Public Administration will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Brainstorming

Suggested Learning Resources:

(a) Books :

S. No.	Title	Author	Publisher	Edition & Year

1	<i>"A History of Modern Poetry: Modernism and After-.</i>	Perkins, David	Prism Books Pvt. Limited.	Paperback. 1989.
2	<i>"John Donne- The Major Works OWCI</i> Carey, John and Donne, John. UK: Oxford Uni ^{versity} Press, 2009. Print	John and Donne, John	UK: Oxford University Press,	2009. Print
3	<i>"John Keats: His Life and Poetry. I Ls Friends. Critics and After-Fame. "</i>		Colvin, Sidney London: Macmillan.	
4	Lecture note provided by Dept. of Arts AKS University, Satna .			

Curriculum Development Team:

1-Mr. Tarashankar Shukla ,SSD

2-Mr, Rajeev Bairagi, Assistant Professor

3- Mrs Prachi Singh , Teaching Associate , Department of Arts

3-Dr.Pushpa Soni,Assistant Professor, Department of Arts

4-Dr. Usha Dwivedi ,Assistant Professor, Department of Arts

5-Mr. Gaurav Singh, Assistant Professor, Department of Arts

6-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts

8-Dr.Udaybhan Singh, Assistant Professor , Department of Arts

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
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Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Pr o g r a m m e p r o v i d e s t h e b a s e t o b e t h e r e s p o n s i b l e c i t i z e n .	E n v i r o n m e n t a n d s u s t a i n a b i l i t y	E t h i c s	I n d i v i d u a l a n d t e a m w o r k	C o m m u n i c a t i o n	P r o j e c t m a n a g e m e n t a n d f i n a n c e	L i f e l o n g l e a r n i n g	Students will develop an ability to read texts in relation to their historical and cultural contexts	Develop the skills needed to succeed in competitive examinations to enhance job opportunities in various field related translation officers , teaching ,Guide, archives , museum s.	Students will develop an appreciation of how the formal elements of Language and Genre shape meaning
CO1	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3

CO2	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
CO3	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3
CO4	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3
CO5	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3

POs& PSOs /*-No.	Cos No.&Titles	SOsNo.	La bor ato ry Ins tru cti on(LI)	Classroom Instruction(CI)	Sel fl ear nin g(SL)
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO:1,2, 3	CO- 1:1 The Study of Poetry will not only instruct and delight the students,	SO1:1 SO1.2 SO1.3 SO1.4 SO1.5		Unit-1. •Introduction to Literature and its classification 1.1,1.2,1.3,1.4,1.5,1.6,1.7 ,1.8,1.9,1.10,1.11,1.12,1.13,1.14,1.15	As M en tio ne d in Pa ge no . — — to — — —
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 2: Student will able to have positivity. creativity and a new way of thinking After the study of this paper, the students will be able	SO2:1 SO2.2 SO2.3 SO2.4 SO2.5		Unit-2 Poetry in Neoclassical and Romantic Age 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8, 2.9,2.10,2.11,2.12,2.13,2.14,2.15	— — to — — —
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 3:- Student will able to identify, interpret, analyze and appreciate the various elements of poetry	SO3:1 SO3.2 SO3.3 SO3.4 SO3.5		Unit 3 Poetry in Victorian Age 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8, 3.9,3.10,3.11,3.12,3.13,3.14,3.15	—

PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 4: Student will able to develop literary intellect and to appreciate the lyrical and sonorous quality of language	SO4:1 SO4.2 SO4.3 SO4.4 SO4.5		Unit 4:Indian Poetry 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13,4.14,4.15	
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AKS University
Faculty of Social Science and Humanities Department
of Arts
Curriculum of B.A (Sociology) Program
(Revised as on 1.8.2023)

Semester-I

Course Code: 01S0101

Course Title : Indian Society and Culture

Pre-requisite: Student should have basic knowledge of Indian Society and Culture

Rationale: The Bachelor of Arts degree course in Sociology is the study of social relations, social stratification, social interaction, culture, etc. Broadly, the Bachelor of Arts in Sociology degree course is the study of society. The Bachelor of Arts degree course in Sociology mainly covers the study of some of its specialized fields namely Applied Sociology, Comparative Sociology, Cultural Sociology, Collective Behavior, Crime and Delinquency, Community and Demography.

Course Outcomes:

CO.1: Concept and nature of of Indian society. They will understand about the Ancient concepts like Varna, Ashram system, Theory of Karma etc.

CO.2: - One of the important components of Indian society is the Tribal Society. Students get to know about the concept, classification, culture, beliefs, religion, customs, institutions as well as social problems, changes and mobility prevalent among the aboriginals and the schemes of tribal development.

CO.3: Learn the concepts of Indian Social Institutions, such as family, marriage, kinship etc, which will enable students to consider their roles in solving many social problems, Have a conceptual understanding of society, social groups, social structure, social institutions etc, which will help them in their day to day lives

CO.4: To explore and acquaint students about some vital issues and dimensions of the complex society they live in, by process of un-earthening of facts and figures about nature and structure of the urban region's historical trajectories.

CO.5: Learners will get an elaboration on Indian family system, issues and challenges of national Integration and issues of children, youth and elderly

Scheme of Studies:

Course Credits	Course Code	Course Title	Scheme of studies (Hours/Week)				Total Study Hours (CI+LI+SW+SL)	Total Credits (C)
			CI	LI	SW	SL		
	01S0101	Indian Society and Culture	6	0	02	01	9	6

Legend: CI: Class room Instruction (Includes different instructional strategies. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Seasonal Work (include assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Course Credits	Course Code	Course Title	Scheme of Assessment (Marks)		
			Progressive Assessment (PRA)	End Semester	Total

			Class/Homework Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)	Internal Assessment (ESA)	Marks (PR A+ESA)
	01S0101	Indian Society and Culture	15	20	5	5	5	50	50	100

Course-Curriculum Detailing:

This course curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO.1: Concept and nature of Indian society. They will understand about the Ancient concepts like Varna, Ashram system, Theory of Karma etc.

Approximate Hours

Item	Appx Hrs.
CI	18
LI	0
SW	0
SL	01
Total	19

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO1.1 Understand the Concept and nature Indian society Historical background</p> <p>SO1.2 Understand the Concept of Varna, Ashram, Purusharth</p> <p>SO1.3 Understand the concept Rina, Yagya, Sanskar</p> <p>SO1.4 Understand the concept Doetrine of karma</p> <p>SO1.5 Understand the concept Reeiprooity:Aranyak,Lok(Gramya) and Nagar settlements</p>	<p>Unit 1 Indian society</p> <p>1.1 Foundation of Indian society : Aranyak, 1.2 Lok (gramya) 1.3 Nagar 1.4 Historical background: Ancient, 1.5 Medieval , 1.6 Modern period 1.7 Varna, 1.8 Ashram, 1.9 Purusharth 1.10 Rina, 1.11 Yagya, 1.12 Sanskar 1.13 Doetrine of karma 1.14 Reeiprooity: 1.15 Aranyak , 1.16 Lok (Gramya) 1.17 Nagar settlements 1.18 Demographic and Cultural Seenario</p>	
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CO.2: - One of the important components of Indian society is the Tribal Society. Students get to know about the concept, classification, culture, beliefs, religion, customs, institutions as well as social problems, changes and mobility prevalent among the aboriginals and the schemes of tribal development.

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	0
SL	01
Total	19

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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SO2.1 Concept Tribal historical outline SO2.2 Understanding about the Tribal Area and classification SO2.3 Understanding about the Social institution : Family, Marriage, Kinship SO2.4 Understanding the concept Tribal Social Issue SO2.5 Understanding about the Tribal: Constitutional Provisions	Unit 2 Aranyak Society: 2.1 Tribal historical outline 2.2 Tribal Area and 2.3 Classification 2.4 Social Meaning institution : 2.5 Family, 2.6 Meaning 2.7 Marriage, 2.8 Meaning 2.9 Kinship. 2.10 Meaning 2.11 Tribal Religious Beliefs 2.12 and Praetiees 2.13 Social Issue 2.14 Tribal: 2.15 Constitutional Provisions □ 2.16 Cultural Traditions and Customs 2.17 Language and Communication 2.18 Art and Craftsmanship
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CO.3: Learn the concepts of Indian Social Institutions, such as family, marriage, kinship etc, which will enable students to consider their roles in solving many social problems Have a conceptual understanding of society, social groups, social structure, social institutions etc, which will help them in their day to day lives

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	0
SL	01
Total	19

CO .4: To explore and acquaint students about some vital issues and dimensions of the complex society they live in, by process of un-earthening of facts and figures about nature and structure of the urban region's historical trajectories.

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	0
SL	01
Total	19

<p style="text-align: center;">O u t c o m e s (S O s)</p>		<p style="text-align: center;">o m I n s t r u c t i o n (C I)</p>	
<p>SO4.1 Understand about the concept Historical Outline of Town, City & Metropolis</p> <p>SO4.2 Preparation of Indian Cities and their Development</p> <p>SO4.3 Knowledge about the arrangement of urban society and culture in India at present.</p> <p>SO4.4 Knowledge about the urban problems.</p> <p>SO4.5 Knowledge about urban</p>		<p>Unit 4 Nagar Society: 4.1 Historical Outline of Town, 4.2 City 4.3 Metropolis 4.4 Indian Cities 4.5 their Development 4.6 Changes in Urban Society 4.7 Challenge of Urban Societies, 4.8 Globalisation 4.9 Meaning 4.10 Impact 4.11 Cultural Continuities 4.12 Aranyak, 4.13 Lok Nagar 4.14 Urban Development and Planning 4.15 Social Stratification and Class Structure 4.16 Trade and Market Systems 4.17 Religious Institutions and Practices 4.18 Political Governance and Administration</p>	

plan ning and dev elop men t.			
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CO .5: Learners will get an elaboration on Indian family system, issues and challenges of national

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
SO3.1 Meaning and concept of Lok (Gramya) Society:Lok (Gramya) Society: Historical Outline SO3.2 Practical problem related Caste System: History of Caste and Changing patterns SO3.3 Understanding the Social institutions: Family, Marriage, Kinship SO3.4 Understanding about Social Issues SO3.5 Understanding about Rural Development: Policies, Programs and Challenges.	.	Unit - III Lok (Gramya) Society 3.1 Lok (Gramya) Society: 3.2 Lok (Gramya) Society: Historical Outline 3.3 Rural Life: 3.4 Folk Culture, 3.5 Little and 3.6 Great Traditions 3.7 Caste System: History of Caste and 3.8 Changing patterns 3.9 Social institutions: Family, 3.10 Marriage, 3.11 Kinship 3.12 Religion: Beliefs and Practiees 3.13 Social Issues 3.14 Rural Development: 3.15 Policies, 3.16 Programs and Challenges. 3.17 Role of Women in Rural Society 3.18 Health Practices and Traditional Medicine	

Integration and issues of children, youth and elderly

Item	Appx Hours
CI	18
LI	0
SW	0
SL	01
Total	19

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
<p>SO5.1 Understand about the concept of National Integration issues and Challenge</p> <p>SO5.2 Preparation of necessary Indian Family - System: Values, Patterns and Issues</p> <p>SO5.3 Preparation of necessary Issues of Children</p> <p>SO5.4 Understanding about the Issues of Youth</p> <p>SO5.5 Understanding about the Issues of Elderly.</p>		<p>Unit 5 Social Issues: 5.1 National Integration 5.2 issues and 5.3 Challenges 5.4 Indian Family 5.5 Values Meaning Problem 5.6 Work System: 5.7 Values, 5.8 Patterns and Issues 5.9 Issues of Children 5.10 Problem 5.11 Issues of Youth and Problem 5.12 Issues of Elderly and Problem 5.13 Human Trafficking and Modern Slavery 5.14 Access to Education and Literacy Rates 5.15 Health Disparities and Access to Healthcare 5.16 Unemployment 5.17 Underemployment 5.18 Homelessness and Housing Inequality</p>	

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (CI)	Sessional Work (SW)	Self Learning (SI)	Total hour (CI+SW+SI)
CO.1: Concept and nature of of Indian society. They will understand about the Ancient concepts like Varna, Ashram system, Theory of Karma etc.	18	0	01	19
CO.2: - One of the important components of Indian society is the Tribal Society. Students get to know about the concept, classification, culture, beliefs, religion, customs, institutions as well as social problems, changes and mobility prevalent among the aboriginals and the schemes of tribal development.	18	0	01	19
CO.3: Learn the concepts of Indian Social Institutions, such as family, marriage, kinship etc, which will enable students to consider their roles in solving many social problems, Have a conceptual understanding of society, social groups, social structure, social institutions etc, which will help them in their day to day lives	18	0	01	19
CO.4: To explore and acquaint students about some vital issues and dimensions of the complex society they live in, by process of un-earthening of facts and figures about nature and	18	0	01	19
CO.5: Learners will get an elaboration on Indian family system, issues and challenges of national Integration and issues of children, youth and elderly	18	0	01	19

Total Hours	90	0	05	95
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Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Indian society	01	01	03	05
CO-2	Aranyak Society	01	01	03	05
CO-3	Lok (Gramya) Society	-	03	10	13
CO-4	Nagar Society	-	03	10	13
CO-5	Social Issues	01	03	10	14
Total		03	12	36	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Indian Society and Culture Will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wiseteachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

6. Improved Lecture
7. Tutorial
8. Case Method
9. Group Discussion
10. Brainstorming

Suggested Learning Resources:

(b) Books:

S. No.	Title	Author	Publisher	Edition & Year
1	Sociology	Giddens. A.	Oxford University Press	2006
2	Indian Society ; Issues & Problems	Sharma. Y. K.	Laxmi Narayan Agarawal Publication	2007
3	Structure and Function in Primitive Society	Radcliffe-Brown A. R.	Cohen and West London.	1976
4	Dr. Pushpa Soni Dept. of Arts AKS University, Satna.			

Curriculum Development Team:

1. Dr. Pushpa Soni, Assistant Professor, Department of Arts
2. Mrs. prachi singh, Teaching associate, Department of Arts
3. Mr. Gaurav Singh , Assistant Professor, Department of Arts

4. Mr. Rajeev Bairagi, Assistant Professor, Department of Arts
5. Dr. Usha Dwivedi, Assistant Professor, Department of Arts
6. Mr. Ashwani Kumar Omre, Teaching Associate, Department of Arts
7. Dr. Udaybhan Singh, Assistant Professor, Department of Arts

CO-PO Mapping:

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Program Outcomes	The students acquire knowledge in the field of social sciences, The B.A. graduates will be acquainted with the social, economical, The program also empowers the graduates to appear for various	The B. A. program enables the students to acquire the knowledge	The students will be ignited enough to think and act over for the Programme provides the base to be the responsible citizen. Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Students will be able to Develop the sociological knowledge and skills.	Students will be able to think critically about society and social	To Provide the students to understand various				
CO1	3	3	3	2	2	2	1	2	3	3	3	3	3	3	3
CO2	3	3	3	2	2	2	1	2	2	2	2	3	2	2	2
CO3	3	3	2	2	1	2	1	1	2	2	2	2	3	3	3
CO4	3	3	2	2	2	2	1	2	1	2	1	2	3	3	3
CO5	3	3	2	2	1	2	1	1	2	2	2	3	3	3	3

Course Curriculum Map

POs&PSOs -No.	COsNo.&Titles	Sos No.	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
PO: 1,2,3,4,5, 6,7,8,9,10,11,12 PSO:1,2,3	CO.1: Concept and nature of of Indian society. They will understand about the Ancient concepts like Varna, Ashram system, Theory of Karma etc.	SO1:1 SO1:2 SO1:3 SO1:4 SO1:5		Unit-1 Indian society 1.1,1.2,1.3,1.4, 1.5,1.6,1.7,1.8,1.9,1.10,1.11, 1.12,1.13,1.14,1.15,1.16,1.17,1.18	As Mentioned in Page no. _____ to _____
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO: 1,2,3	CO.2: - One of the important components of Indian society is the Tribal Society. Students get to know about the concept, classification, culture, beliefs, religion, customs, institutions as well as social problems, changes and mobility prevalent among the aboriginals and the schemes of tribal development.	SO2:1 SO2:2 SO2:3 SO2:4 SO2:5		Unit-2 Aranyak Society 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,2.12,2.13,2.14,2.15,2.16,2.17,2.18	
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO: 1,2,3	CO.3: Learn the concepts of Indian Social Institutions, such as family, marriage, kinship etc, which will enable students to consider their roles in solving many social problems, Have a conceptual understanding of society, social groups, social structure, social institutions etc, which will help them in their day to day lives	SO3:1 SO3:2 SO3:3 SO3:4 SO3:5		Unit-3: Lok (Gramya) Society 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,3.12,3.13,3.14,3.15,3.16,3.17,3.18	

culture religion and

PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO: 1,2,3	CO.4: To explore and acquaint students about some vital issues and dimensions of the complex society they live in, by process of un-earthening of facts and figures about nature and structure of the urban region's historical trajectories.	SO4:1 SO4:2 SO4:3 SO4:4 SO4:5	Unit-4: Nagar Society: 4.1,4.2,4.3,4.4,4.5,4.6,4.7 ,4.8,4.9,4.10,4.11,4.12,4.1 3,4.14,4.15,4.16,4.17,4.18
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO: 1,2,3	CO.5: Learners will get an elaboration on Indian family system, issues and challenges of national Integration and issues of children, youth and elderly	SO5:1 SO5:2 SO5:3 SO5:4 SO5:5	Unit5: Social Issues 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5. 8,5.9,5.10,5.11,5.12,5.13,5.1 4,5.15,5.16,5.17,5.18

AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of BA Political Science
(Revised as on 01.08.2023)
Semester-I

Course Code: 01PO101

Course Title : Indian Constitution

Pre- requisite: This course can be opted by any student who has passed 12 th class .Student should have basic knowledge of constitution, government and political system .

Rationale: Students will learn about the constitutional development in India.They will also answer how constituent assembly was formed.They will be able to describe the significance of the Preamble, Fundamental rights and Directive Principles of State Policy in the constitutional design of India.They will be able to answer questions pertaining to the function and role of the President, Prime Minister, Governor, Chief Minister, Parliament and State legislature, and the courts in the Constitutional design of India. They will be able to identify the power division in constitutional setup.

Course Outcomes:

CO 1. Students will be able to understand the constitutional development in India. **CO**

2. They will be able to answer how constituent assembly was formed.

CO 3. They will be able to describe the significance of the Preamble, Fundamental rights and Directive Principles of State Policy in the constitutional design of India.

CO 4. They will be able to answer questions pertaining to the function and role of the President, Prime Minister, Governor, Chief Minister, Parliament and State legislature, and the courts in the Constitutional design of India.

CO 5. They will be able to identify the power division in constitution.

AKS University
Faculty of Independent Studies
Department of Business Administration
Curriculum of BBA (Hon's) Program
 (Revised as on 01 August 2023)

AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of BA Political Science
 (Revised as on 01.08.2023)

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
Program Core	01PO101	Indian Constitution	6	0	0	0	6	6

Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),
LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)
SW: Sessional Work (includes assignment, seminar, mini project etc.),
SL: Self Learning, **C:**Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)
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AKS University
 Faculty of **Inter** **Humanities** **and** **Social** **Sciences**
 Department of Business Administration
 Curriculum of BBA (Hon's) Program
 (Revised as on 01 August 2023)

			Progressive Assessment (PRA)					End Semester Assessment	Total Marks	
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)			Total Marks (CA+CT+SA+CAT+AT)
01PO101	Indian Constitution	15	20	5	5	5	50	(ESA)	(PRA+ESA)	100

AKS University
 Faculty of Social Science and Humanities
 Department of Arts
 Curriculum of Political Science
 (Revised as on 01.08.2023)

Course-Curriculum Detailing:

This course Curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO 1.Students will be able to understand the constitutional development in India.

Approximate Hours

Item	Appx Hrs.
CI	18
LI	0
SW	2
SL	0
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)

(
S
L

<p>SO1.1 Understand the Concept and making of Constitution</p> <p>SO1.2 Understand the salient features of constitution</p> <p>SO1.3 Understand the concept and meaning of Preamble</p> <p>SO1.4 Evaluate the importance of Fundamental Rights and duties</p> <p>SO1.5 Write meaningful essay on directive principles of state policy</p>		<p>Unit 1- Genesis of the Indian Constitution and Salient Features</p> <p>1.1 Constitutional Development in India.</p> <p>1.2. Making of the Constituent Assembly:</p> <p>1.3. Making of the Constituent Assembly: History</p> <p>1.4. Making of the Constituent Assembly: Objectives.</p> <p>1.5. Salient Features of the Constitution:</p> <p>1.6. Federal Structure</p> <p>1.7. Separation of Powers</p> <p>1.8. Judicial Review</p> <p>1.9. Fundamental Rights</p> <p>1.10. Sovereignty</p> <p>1.11 Secularism</p> <p>1.12. Republicanism</p> <p>1.13 Preamble</p> <p>1.14 Fundamental Rights and Duties.</p> <p>1.15 . Directive Principles of State Policy.</p> <p>1.16 Procedure for Constitutional Amendment</p> <p>1.17 Amendment Procedures</p> <p>1.18 Types of Amendments</p>

CO 2-Students will be able to answer how constituent assembly was formed.

Approximate Hours

Item	Appx Hours
CI	20
LI	0
SW	0
SL	0
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
SO2.1 Concept about types of legislative system ..	.	UNIT 2-Legislature	
SO2.2 Understanding about the functioning of Parliament.		2.1 Legislature	
SO2.3 Preparation of presentation on Procedure of the Parliament .		2.2. Central Legislature 2.3. .Indian Parliament 2.4 Composition of the Lok Sabha 2.5. Functions of the Lok Sabha 2.6. Composition of the Rajya Sabha 2.7. Functions of the Rajya Sabha.	
SO2.4 Understanding the composition and functioning of Vidhan Sabha..		2.8. Speaker of the Lok Sabha - Role, 2.9. Speaker of the Lok Sabha - Power 2.10 Speaker of the Lok Sabha - Functions. 2.11 Independence and Impartiality of the Speaker. 2.12. Legislative procedure of the Parliament.	
SO2.5 Understanding the composition and functioning of Vidhan Parishad.		2.13. State Legislature 2.17. . Vidhan Sabha - Composition. 2.18. Vidhan Sabha - Functions. 2.19 Vidhan Parishad - Composition . 2.20 Vidhan Parishad – Functions.	

CO 3: .Students will be able to describe the significance of the Preamble, Fundamental rights and Directive Principles of State Policy in the constitutional design of India.

Approximate Hours

Item	Appx Hours
CI	20

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LI	0
SW	0
SL	0
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
SO3.1 Meaning and concept of Union Executive SO3.2 Understanding about the power ,functions and role of President .. SO3.3 Understanding the concept of functioning of Executive . SO3.4 Understanding about the power and funtion of Governor.	.	Unit-3 :Executive 3.1. Union Executive 3.2 President-Power 3.3. President- Functions. 3.4. Emergency Powers of President of India 3.5 .Prime Minister - Role 3.6 Prime Minister - Functions. 3.7 Council of Ministers 3.8 Council of Ministers - Composition, 3.9 Council of Ministers - Role 3.10 Council of Ministers - Functions. 3.11. State Executive	
SO3.5 4 Understanding about the power and funtion of .Chief Minister		3.12 Governor- Power 3.13 Governor- Functions. 3.14. Chief Minister- 3.15 Chief Minister- Power 3.16 Chief Minister- Functions. 3.17 Council of Ministers. 3.18. Council of Ministers- Power 3.19. Cabinet minister 3.20. state minister deputy minister	

CO 4 : Students will be able to answer questions pertaining to the function and role of the President, Prime Minister, Governor, Chief Minister, Parliament and State legislature, and the courts in the Constitutional design of India

Item	Appx Hours
CI	18
LI	0
SW	0

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SL	0
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
SO4.1 Understanding about the concept of Judiciary. SO4.2 Preparation of table of composition of courts . SO4.3 Understanding about various constitutional bodies. SO4.4 Understanding about the composition and Jurisdiction of High court. SO4.5 Preparation of table of power and work of Supreme court and High court.	.	Unit-4 : Judiciary and Other Constitutional Bodies 4.1. Supreme Court -. 4.2. Supreme Court - Composition 4.3. Supreme Court – Jurisdiction 4.4. High Court 4.5. High Court-Composition 4.6. High Court- Jurisdiction 4.7. Constitutional Bodies 4.8. Election Commission. Functions. 4.9. Election Commission Power 4.10. Union Public Service Commission. 4.11. Union Public Service Commission. Functions 4.12. Union Public Service Commission Power 4.13. National Commission for SC's. Functions	
		4.14. National Commission for SC's. Power 4.15. National Commission for ST's. Functions 4.16. National Commission for ST's. Power 4.17. .State Public Service Commission. 4.18. State Public Service Commission –Functions	

CO 5-Students will be able to identify the power division in constitution.

Item	Appx Hours
CI	14
LI	0
SW	0
SL	0
Total	14

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)

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<p>SO5.1 Understand about the nature of division of power</p> <p>SO5.2 Understanding about concept of relation between Centre and State</p> <p>SO5.3 Understanding about Legislative and Administrative relations.</p> <p>SO5.4 Understanding about the concept of Local self Government .</p> <p>SO5.5 Understanding about the financial relations.</p>	<p>Unit 5 : Division of Powers</p> <p>5.1.Centre state Relations</p> <p>5.2.Legislative Relations.</p> <p>5.3.Administrative Relations.</p> <p>5.4.Financial Relations.</p> <p>5.5.Local Self Government- 73th Amendment.</p> <p>5.6.Structure of Panchayati Raj Institutions</p> <p>5.7.Functions and Responsibilities of Panchayats</p> <p>5.8.Elections and Reservation of Seats</p> <p>5.9.Financial Provisions and Empowerment of Local Bodies</p> <p>5.10. Local Self Government -74th Amendment.</p> <p>5.11.Structure of Urban Local Bodies:</p> <p>5.12Municipalities</p> <p>5.13.Functions and Responsibilities of Urban Local Bodies</p> <p>5.14.Governance</p>
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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class	Sessional	Self	Total hour
	Lecture (Cl)	Work (SW)	Learning (Sl)	(Cl+SW+Sl)
CO1: Students will be able to understand the constitutional development in India.	18	0	0	18
CO2- Students will be able to answer how constituent assembly was formed.	20	0	0	20
CO3- Students will be able to describe the significance of the Preamble, Fundamental rights and Directive Principles of State Policy in the constitutional design of India	20	0	0	20
CO4 - Students will be able to answer questions pertaining to the function and role of the President, Prime Minister, Governor, Chief Minister, Parliament and State legislature, and the courts in the Constitutional design of India	18	0	0	18
CO5- Students will be able to identify the power division in constitution.	18	0	0	18
Total Hour	90	00	00	90

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Genesis of the Indian Constitution and Salient Features	01	02	02	05
CO-2	Legislature	1	2	2	05
CO-3	Executive	1	02	10	13
CO-4	Judiciary and Other Constitutional Bodies	-	02	11	13
CO-5	Division of Powers	01	03	10	14
Total		04	11	35	50

Legend: **R: Remember,** **U: Understand,** **A: Apply**

The end of semester assessment for Indian Constitution will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Brainstorming **Suggested**

Learning Resources:

(a) Books :

S. No.	Title	Author	Publisher	Edition & Year
1	Political science	Dr. j c johary	SBPD PUBLICATION	2021-2022
2	Introduction to the Constitution of India	Basu Durgadas	Lexis Nexis,21"	Edition, 2013
3	. "The Constitution of India", .	Bakshi, P M	Universal Law Publishing, Delhi,	Edition2017

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4	"The Indian Constitution: Cornerstone of a Nation"	G. Austin	Oxford University Press, Oxford,	Edition 1996
5	Curriculum Development Team: 1-Mr. Gaurav Singh , Assistant Professor, Department of Arts 2-Mr, Rajeev Bairagi, Assistant Professor 3- Mrs Prachi Singh , Teaching Associate , Department of Arts 3-Dr.Pushpa Soni,Assistant Professor, Department of Arts 4-Dr. Usha Dwivedi ,Assistant Professor, Department of Arts 5-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts 6-Dr.Udaybhan Singh, Assistant Professor , Department of Art			

CO-PO Mapping:

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
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Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and human integrity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Programme provides the base to be the responsible citizen.	Environment and sustainability	Ethics	Individual and teamwork	Communication	Project management and finance	Lifelong learning	Students will understand the need for a constitution and explain the role of constitution in a democratic society.	Students will be able to explain the Governmental mechanism from Gram panchayat to Parliament and can suggest solutions over various issues in its functioning and implementation.	Students will use various political concepts and ideology to analyze new situations.
CO1	3	3	2	2	1	2	1	1	1	2	1	3	2	3	3
CO2	3	2	2	2	2	1	1	2	1	1	1	2	1	3	3
CO3	2	3	2	2	1	2	1	1	1	1	1	3	3	3	3

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CO4	3	3	3	2	1	2	2	1	2	1	1	3	3	3	3
CO5	3	3	2	2	1	2	1	1	1	1	2	3	3	3	3

Course Curriculum Map

Pos & PSO s /*No.	Cos No. & Titles	SOs No.	Lab oratory Instr uction(LI)	Classroom Instruction(CI)	Self Learning(SL)
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO:1,2, 3	CO- 1: Students will be able to understand the constitutional development in India.	SO1:1 SO1.2 SO1.3 SO1.4 SO1.5		Unit-1.0 Genesis of the Indian Constitution and Salient Features 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8, 1.9,1.10,1.11,1.12,1.13,1.14,1 .15,1.16,1.17,1.18	As Mention ed in Page no. ____ to _____
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 2: -Students will be able to answer how constituent assembly was formed.	SO2:1 SO2.2 SO2.3 SO2.4 SO2.5		Unit-2 Legislature 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8, 2.9,2.10,2.11,2.12,2.13,2.14,2. 15,2.16,2.17,2.18,2.19,2.20	
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: Principles of State Policy	CO- 3: Students will be able to describe the significance of the Preamble, Fundamental rights and Directive Principles of State Policy	SO3:1 SO3.2 SO3.3 SO3.4		Unit-3: Executive 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.3. 8,3.9,3.10,3.11,3.12,3.13,3.1 4,3.15,3.16,3.17,3.18,3.19,3.20	

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1,2,3	in the constitutional design of India.	SO3.5		
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 4: Students will be able to answer questions pertaining to the function and role of the President, Prime Minister, Governor, Chief Minister, Parliament and State legislature, and the courts in the Constitutional design of India	SO4:1 SO4.2 SO4.3 SO4.4 SO4.5		Unit-4: Judiciary and Other Constitutional Bodies 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13,4.14,4.15,4.16,4.17,4.18,4.18,4.19,4.20,
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 5: Students will be able to identify the power division in constitution.	SO5:1 SO5.2 SO5.3 SO5.4 SO5.5		Unit5: Division of Powers 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11,5.12,5.13,5.14

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Semester-I

Course Code:	03NC103
Course Title :	NCC Awareness
Pre- requisite:	Certificate course with economics as major subject
Rationale:	'It's all about the money and banking' Students studying NCC Awareness theory, investment, consumption function, multiplier theory, IS LM curve, accelerator theory, Rate of interest, money and banking

Course Outcomes:

- CO.1 To develop knowledge about discipline character, brotherhood, the spirit of adventure and ideals of selfless service.
- CO.2 It also enlightens leadership qualities among young students.
- CO.3 To promote National Integration among cadets through state awareness programme, debates, demonstrations, cultural presentation etc.
- CO.4 The aim of this subject is to develop the students of personality ,physical and mental health, and social quality.
- CO.5 It also provides knowledge about different social activity- tree plantation, blood donation, first aid and how to organize different social awareness programs in educational institutions.

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Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)				Total Credits (C)	
			CI	LI	SW	SL		Total Study Hours (CI+LI+SW+SL)
	03NC103	NCC Awareness	6	0	0	0	6	6

Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),
LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)
SW: Sessional Work (includes assignment, seminar, mini project etc.),
SL: Self Learning, **C:**Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment	Total Marks
			Progressive Assessment (PRA)						Total Marks		
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	(CA+CT+SA+CAT+AT)			
	03NC103	NCC Awareness	15	20	5	5	5	50	50	100	

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Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

03NC103.1. To develop knowledge about discipline character, brotherhood, the spirit of adventure and ideals of selfless service.

Approximate Hours

Item	Appx Hrs.
CI	15
LI	0
SW	01
SL	01
Total	17

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO1.1 Understand the History of National Cadet Corps:</p> <p>SO1.2 Understand the National Cadet Corps of Independent India.</p> <p>SO1.3 Understand the Aims and Objectives</p> <p>SO1.4 Preparation of NCC Flag</p> <p>SO1.5 Preparation of NCC song.</p>	<p>1.0 History of National Cadet Corps:</p> <p>1.1 Founding of the National Cadet Corps (NCC)</p> <p>1.2. Early Development and Structure</p> <p>1.3. Integration into Indian Armed Forces</p> <p>1.4. World War II and the NCC</p> <p>1.5. Post-Independence Reorganization</p> <p>1.6. NCC in the 1950s and 1960s</p> <p>1.7. Expansion and Growth in the 1970s</p> <p>1.8. Introduction of New Training Programs</p> <p>1.9. NCC's Role in National Integration</p> <p>1.10. Women's Involvement in the NCC</p> <p>1.11. Major NCC Camps and Events</p> <p>1.12. Partnerships with Educational Institutions</p> <p>1.13. Modernization and Technological Advancements</p> <p>1.14. Recent Initiatives and Reforms</p> <p>1.15. Impact of the NCC on Youth Development</p>
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03NC103.2 It also enlightens leadership qualities among young students.

Approximate Hours

Item	Appx Hours
CI	15
LI	0
SW	01
SL	01
Total	17

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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A K S  **University**
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<p>SO2.1 Understand about the Na, of Lectures</p> <p>SO2.2 Understanding about the Navy and Air Force</p> <p>SO2.3 Preparation of Army</p> <p>SO2.4 Understanding the command and control</p> <p>SO2.5 Preparation of Honors and Awards</p>	<p>2.0 Introduction to Defence Services:</p> <p>2.1 History and Evolution of Defense Services</p> <p>2.2 Roles and Functions of the Armed Forces</p> <p>2.3 Branch Structure: Army, Navy, and Air Force</p> <p>2.4 Basic Training and Recruitment Process</p> <p>2.5 Military Ranks and Hierarchies</p> <p>2.6 Defense Service Regulations and Protocols</p> <p>2.7 National and International Defense Strategies</p> <p>2.8 Key Military Equipment and Technology</p> <p>2.9 Defense Service Careers and Specializations</p> <p>2.10 Military Service and Civilian Life Integration</p> <p>2.11 Defense Budget and Funding</p> <p>2.12 Peacekeeping and Humanitarian Missions</p> <p>2.13 Military Ethics and Leadership Principles</p> <p>2.14 Impact of Defense Services on National Security</p> <p>2.15 Future Trends and Challenges in Defense Services</p>
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03NC103.3 To promote National Integration among cadets through state awareness programme, debates, demonstrations, cultural presentation etc.

Approximate Hours

Item	Appx Hours
CI	15
LI	0
SW	01
SL	01
Total	17

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO3.1 Meaning and concept of Introduction to personality development</p> <p>SO3.2 understand the meaning of personality development</p> <p>SO3.3 Understanding the Change your mind set</p> <p>SO3.4 Understanding about Decision making</p> <p>SO3.5 understand the Team work</p>		<p>3.0 Personality development:</p> <p>3.1 Self-Awareness and Self-Assessment</p> <p>3.2 Goal Setting and Achievement</p> <p>3.3 Emotional Intelligence</p> <p>3.4 Communication Skills</p> <p>3.5 Time Management and Organization</p> <p>3.6 Leadership and Teamwork</p> <p>3.7 Conflict Resolution and Problem-Solving</p> <p>3.8 Stress Management and Resilience</p> <p>3.9 Self-Discipline and Motivation</p> <p>3.10 Critical Thinking and Decision Making</p> <p>3.11 Adaptability and Flexibility</p> <p>3.12 Public Speaking and Presentation Skills</p>	
		<p>3.13 Building Self-Esteem and Confidence</p> <p>3.14 Networking and Relationship Building</p> <p>3.15 Personal Branding and Professional Image</p>	

03NC103.4 The aim of this subject is to develop the students of personality ,physical and mental health, and social quality.

Approximate Hours

Item	Appx Hours
CI	15
LI	0
SW	01
SL	01
Total	17

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO4.1 Understanding about the Introduction of leadership</p> <p>SO4.2 Preparation of types of Leadership</p> <p>SO4.3 Understanding about the develop leadership</p> <p>SO4.4 Understanding about the Leadership traits</p> <p>SO4.5 Preparation of Leadership case study</p>	<p>4.0 Leadership:</p> <p>4.1 Leadership Theories and Styles</p> <p>4.2 Effective Communication in Leadership</p> <p>4.3 Decision-Making Processes</p> <p>4.4 Conflict Resolution and Mediation</p> <p>4.5 Strategic Vision and Goal Setting</p> <p>4.6 Team Building and Motivation</p> <p>4.7 Leadership Ethics and Integrity</p> <p>4.8 Change Management and Innovation</p> <p>4.9 Delegation and Empowerment</p> <p>4.10 Leadership Development and Training</p> <p>4.11 Crisis Management and Problem Solving</p> <p>4.12 Performance Management and Feedback</p> <p>4.13 Cultural Competence and Diversity</p> <p>4.14 Mentoring and Coaching</p> <p>4.15 Influence and Persuasion Techniques</p>
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03NC103.5 It also provides knowledge about different social activity- tree plantation, blood donation, first aid and how to organize different social awareness programs in educational institutions.

Approximate Hours

Item	Appx Hours
CI	15
LI	0
SW	01
SL	01
Total	17

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)
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<p>SO5.1 Understanding about the importance of first aid</p> <p>SO5.2 Preparation of types of first aid</p> <p>SO5.3 Understanding about the First Aid Scope</p> <p>SO5.4 Understanding about the objectives of first aid</p> <p>SO5.5 Preparation of Dressing of wounds.</p>	<p>5.0 First aid</p> <p>5.1 Basic Life Support (BLS)</p> <p>5.2 Cardiopulmonary Resuscitation (CPR)</p> <p>5.3 Management of Choking</p> <p>5.4 Control of Bleeding</p> <p>5.5 Treatment of Burns and Scalds</p> <p>5.6 Fractures and Immobilization</p> <p>5.7 Wound Care and Dressing</p> <p>5.8 Shock Management</p> <p>5.9 Handling Poisoning</p> <p>5.10 Heat Stroke and Hypothermia</p> <p>5.11 Asthma Attack Response</p> <p>5.12 Heart Attack First Aid</p> <p>5.13 Seizure Management</p> <p>5.14 Drowning and Near-Drowning Response</p> <p>5.15 Bites and Stings Treatment</p>
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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (CI)	Sessional Work (SW)	Self Learning (SI)	Total hour (CI+SW+SI)
03NC103.1. To develop knowledge about discipline character, brotherhood, the spirit of adventure and ideals of selfless service.	15	01	01	17
03NC103.2 It also enlightens leadership qualities among young students	15	01	01	17
03NC103.3 To promote National Integration among cadets through state awareness programme, debates, demonstrations, cultural presentation etc	15	01	01	17

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03NC103.4 The aim of this subject is to develop the students of personality ,physical and mental health, and social quality.	15	01	01	17
03NC103.5 It also provides knowledge about different social activity- tree plantation, blood donation, first aid and how to organize different social awareness programs in educational institutions.	15	01	01	17
Total Hours	75	00	00	85

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	History of National Cadet Corps:	01	01	03	05
CO-2	Introduction to Defence Services:	01	01	03	05
CO-3	Personality development	-	03	10	13
CO-4	Leadership, first aid	-	03	10	13
CO-5	First aid	01	03	10	14
Total		03	12	36	50

Legend: **R: Remember,** **U: Understand,** **A: Apply**

The end of semester assessment for NCC Awareness will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment **Suggested Instructional/Implementation Strategies:**

- Improved Lecture
- Tutorial
- Case Method
- Group Discussion
- Brainstorming
- **Suggested Learning Resources:**
- **Books :**

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S. No.	Title	Author	Publisher	Edition & Year
1	NCC Awareness	Allen G.D.	Macmillan London	Revised edition 21 edition 2020
2	NCC Awareness	Vaish M.C.	Vikas publishing house New Delhi	
4	Lecture note provided by Dept. of Commerce AKS University, Satna .			

Curriculum Development Team:

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- 5-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts
- 6-Dr.Udaybhan Singh, Assistant Professor , Department of Arts

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
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A K S  **iversity**

Faculty of International Studies

Department of Business Administration

Curriculum of BBA (Hon's) Program

(Revised as on 01 August 2023)

Program Outcome	The students acquire knowledge in the field of social science, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.	The B.A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Programme provides the base to be the responsible citizen.	Environment and sustainability	Ethics	Individual and teamwork	Communication	Project management and finance	Lifelong learning	. Students will understand the concepts GNP, NNP, GDP, NDP, PCI, Disposable Income. Students will understand various aspects and features of Indian economy	Students will know about Consumer behaviour, Demand analysis, cardinal and ordinal utility. It may also provide the information to the student for elasticity of demand, price, income and cross elasticity of demand. Students will learn about the concepts of statistical methods	Students can work efficiently in the field of banking, finance, industry, farming, consumer rights, production, research and trade
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CO1	3	3	2	2	2	2	1	1	3	2	3	3	2	3	3
CO2	3	3	2	2	1	2	1	1	2	2	2	3	2	3	3
CO3	3	3	2	2	2	2	1	1	3	2	2	3	3	3	3
CO4	3	3	2	2	1	2	1	1	3	3	3	3	3	3	3
CO5	3	3	2	2	2	2	1	1	2	2	3	3	3	3	3

Course Curriculum Map

POs&PSOs /*-No.	COsNo. &Titles	SOsNo.	Classroom Instruction(CI)	SelfLearning(SL)
PO: 1,2,3,4,5,6,7,8, 9,10,11,12 PSO:1,2,3	CO.1 To develop knowledge about discipline character, brotherhood, the spirit of adventure and ideals of selfless service.	SO1:1.1 SO2:1.2 SO3:1.3 SO4:1.4 SO5:1.5	Unit-1.0 History of National Cadet Corps: 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11,1.12,1.13,1.14,1.15	As Mentioned in Page no. _____ to _____
PO: 1,2,3,4,5,6,7,8, 9,10,11,12 PSO: 1,2,3	CO.2 It also enlightens leadership qualities among young students	SO1:2.1 SO2:2.2 SO3:2.3 SO4:2.4 SO5:2.5	Unit-2.0 Introduction to Defence Services 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,2.12,2.13,2.14,2.15	

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<p>PO: 1,2,3,4,5,6,7,8 ,9,10,11,12 PSO: 1,2,3</p>	<p>CO.3 To promote National Integration among cadets through state awareness programme, debates, demonstrations, cultural presentation etc.</p>	<p>SO1:3.1 SO2:3.2 SO3:3.3 SO4:3.4 SO5:3.5</p>	<p>Unit-3: Personality development 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,3.12,3.14,3.15</p>	
<p>PO: 1,2,3,4,5,6,7,8 ,9,10,11,12 PSO: 1,2,3</p>	<p>CO.4 The aim of this subject is to develop the students of personality, physical and mental health, and social quality.</p>	<p>SO1:4.1 SO2:4.2 SO3:4.3 SO4:4.4 SO5:4.5</p>	<p>Unit-4: Leadership, first aid 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13,4.15</p>	

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PO: 1,2,3,4,5,6,7,8 ,9,10,11,12 PSO: 1,2,3	CO.5 It also provides knowled ge about different social activity- tree plantatio n, blood donation , first aid and how to organize different social awarene ss program s in educatio nal institutio ns.	PO: 1,2,3,4,5,6,7,8 ,9,10,11,12 PSO: 1,2,3	Unit-5: First aid 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.1 0,5.11,5.12,5.13,5.14,5.15	
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Semester-II

Course Code:	0IKS04
Course Title :	Fundamentals of Indian Knowledge System
Pre-requisite:	Creating awareness among the youths about the true history and past rich culture of India

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Rationale:	India has very rich and versatile knowledge system and cultural heritage since antiquity. The Indian Knowledge systems was developed on life science, medical science, literature, drama, art, music, dance, astronomy, mathematics, architecture (Sthapatyaveda), chemistry, aeronautics etc, during ancient period. In this basic course, a special attention is given to the ancient and historical perspective of ideas occurrence in the ancient society, and implication to the concept of material world and religious, social and cultural beliefs. On the closer examination, religion, culture and science have appeared epistemological very rigidly connected in the Indian Knowledge System. This land of Bharat Bhumi has provided invaluable knowledge stuff to the society and the world in all sphere of life
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Course Outcomes:

OIKS04.1: To understand the ancient civilization, Indian Knowledge Systems, Concept of PanchMahabhuta, Origin of name Bharat Varsha, Ancient Rivers, Ancient Universities and ancient agriculture.

OIKS04.2: Students will have the ability to learn about ancient books, Religious places, basic concept of Indian dance, music and arts, and fundamental aspects of Sangeeta and Natyashashtra etc. **OIKS04.3:**

Student will be able to gain knowledge on Vedic Science, Astronomy, Astrovastu, Vedic Mathematics, Aeronautics, Metallurgy, Nakhatras, Panchang, Concept of Zero, Pi and point etc. **OIKS04.4:**

Understanding on ancient Engineering, Science and Technology, Town Planning, Temple architecture, Chemistry and Metallurgy, Metal manufacturing etc.

OIKS04.5: Student will able to understand about the Life, Nature and Health through basic concept of Ayurveda andYoga, Traditional Medicinal Systems, Ethnomedicine, Nature conservation, World Heritage Sites etc.

Scheme of Studies:

Code	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
IKS	OIKS04	Fundamentals of Indian Knowledge System	2	0	1	1	4	2

Legend:

CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

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SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory:

Code	Course	Title	Scheme of Assessment (Marks)							
			Progressive Assessment (PRA)						Semester	Marks
			Class	10	CT	Sessional	Activity	Attendance		
IKS4	0IKS04	Fundamentals of Indian Knowledge System	15	20	5	5	5	50	50	100

Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

0IKS04.1: To understand the ancient civilization, Indian Knowledge Systems, Concept of PanchMahabhuta, Origin of name Bharat Varsha, Ancient Rivers, Ancient Universities and ancient agriculture.

Approximate Hours

Item	AppX Hrs
CI	6
LI	0
SW	2
SL	1
Total	9

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self- Learning (SL)

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<p>SO1.1 Understand Overview of Indian Knowledge Systems (IKS)</p> <p>SO1.2 Understand Classification of Ancient IKS texts</p> <p>SO1.3 Understand Introduction to PanchMahabhutas (Earth, Water, Fire, Sky and Air)</p> <p>SO1.4 Understand Origin of the name Bharatvarsha: the Land of Natural Endowments</p> <p>SO1.5. Understand Rivers of ancient India (The Ganga, Yamuna, Godawari, Saraswati, Narmada, Sindhu and Kaveri)</p> <p>SO1.6. Understand Ancient Agriculture and ancient Universities: Takshashila and Nalanda, Gurukul system</p>	<p>Unit-1.0: Indian Civilization and Indian Knowledge Systems [6 Hours]</p> <p>1.1 Overview of Indian Knowledge Systems (IKS)</p> <p>1.2 Classification of Ancient IKS texts</p> <p>1.3 Introduction to PanchMahabhutas (Earth, Water, Fire, Sky and Air)</p> <p>1.4 Origin of the name Bharatvarsha: the Land of Natural Endowments</p> <p>1.5 Rivers of ancient India (The Ganga, Yamuna, Godawari, Saraswati, Narmada, Sindhu and Kaveri)</p> <p>1.6 Agriculture system in ancient India, Ancient Universities: Takshashila and Nalanda, Gurukul system</p>	<p>1. Golden era of ancient India</p>
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SW-1 Suggested Sessional Work (SW):

- a. **Assignments:** Concepts of PanchMahabhuta, Classification of ancient texts, origin of ancient rivers.
- b. **Mini Project:** Ancient Universities: Takshashila and Nalanda
- c. **Other Activities (Specify):**

OIKS04.2: Students will have the ability to learn about ancient books, Religious places, basic concept of Indian dance, music and arts, and fundamental aspects of Sangeeta and Natyashashtra etc.

Approximate Hours

Item	AppX Hrs
CI	6
LI	0
SW	2
SL	1
Total	9

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO2.1 Understand the Ancient Indian Books: Vedas, Puranas, Shastras, Upanishads, Mahakavyas (Ramayana & Mahabharata), Smrities, Samhitas</p> <p>SO2.2 Understand the Religious places: Puries, Dhams, Jyotirlinga, Shaktipeeths, Kumbha Mela</p> <p>SO2.3 Understand the Legendary places of Madhya Pradesh: Ujjain, Chitrakoot, Omkareshwar, Bharhut, Maihar</p> <p>SO2.4 Understand the Basic concept of Indian Art, Music and Dance, Indian Musical Instruments</p> <p>SO2.5 Understand the Fundamental aspects of Sangeeta and Natya shastra</p> <p>SO2.6 Understand the different schools of music, dance and</p>		<p>Unit-2.0: Indian Art, Literature and Religious Places [6 Hours]</p> <p>2.1 Ancient Indian Books: Vedas, Puranas, Shastras, Upanishads, Mahakavyas (Ramayana & Mahabharata), Smrities, Samhitas</p> <p>2.2 Religious places: Puries, Dhams, Jyotirlinga, Shaktipeeths, Kumbha Mela</p> <p>2.3 Legendary places of Madhya Pradesh: Ujjain, Chitrakoot, Omkareshwar, Bharhut, Maihar</p> <p>2.4 Basic concept of Indian Art, Music and Dance, Indian Musical Instruments</p> <p>2.5 Fundamental aspects of Sangeeta and Natya shastra</p> <p>2.6 Different schools of music, dance and painting in different regions of India</p>	<p>1. Indian Art, Music and Dance</p>

painting in different regions of India			
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SW-2 Suggested Sessional Work (SW):

- a. **Assignments:** Visit of Chitrakoot, Maihar and Bharhuta.
- b. **Mini Project:** Kumbhmela, Story of Ramayana and Mahabharata.
- c. **Other Activities (Specify):**

OIKS04.3: Student will be able to gain knowledge on Vedic Science, Astronomy, Astrovastu, Vedic Mathematics, Aeronautics, Metallurgy, Nakhatras, Panchang, Concept of Zero, Pi and point etc.

Approximate Hours

Item	AppX Hrs
CI	6
LI	0
SW	2
SL	1
Total	9

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
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<p>SO3.1 Understand Vedic Cosmology</p> <p>SO3.2 Understand the Astronomy, Astrovastu, Vedang Jyotish, Nakshatras, Navagraha, Rashis, Vastushastra and their related plants</p> <p>SO3.3 Understand the Time and Calendar, Panchang</p> <p>SO3.4 Understand the Concept of Zero, Point, Pi number system, Pythagoras</p> <p>SO3.5 Understand the Vedic Mathematics, Vimana-Aeronautics, Basic idea of planetary model of Aryabhatta</p> <p>SO3.6 Understand the Varanamala of Hindi language based on classification of sounds on the basis of their origin, Basic purpose of science of Vyakarana</p>	<p>Unit-3.0: Ancient Science, Astronomy, Mathematics [6 Hours]</p> <p>3.1 Vedic Cosmology</p> <p>3.2 Astronomy, Astrovastu, Vedang Jyotish, Nakshatras, Navagraha, Rashis, Vastushastra and their related plants</p> <p>3.3 Time and Calendar, Panchang</p> <p>3.4 Concept of Zero, Point, Pi number system, Pythagoras</p> <p>3.5 Vedic Mathematics, Vimana Aeronautics, Basic idea of planetary model of Aryabhatta</p> <p>3.6 Varanamala of Hindi language based on classification of sounds on the basis of their origin, Basic purpose of science of Vyakarana</p>	<p>1. Ancient Science, Astronomy and Vedic Mathematics</p>
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SW-3 Suggested Sessional Work (SW):

- a. **Assignments:** Varanamala of Hindi language based on classification of sounds on the basis of their origin.
- b. **Mini Project:** Nakshatras, Navagraha and their related plants.
- c. **Other Activities (Specify):**

OIKS04.4: Understanding on ancient Engineering, Science and Technology, Town Planning, Temple architecture, Chemistry and Metallurgy, Metal manufacturing etc.

Approximate Hours

Item	AppX Hrs
CI	6
LI	0
SW	2
SL	1

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Total	9
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Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO4.1 Understand the Engineering Science and Technology in Vedic and Post Vedic Era</p> <p>SO4.2 Understand the Town and Home planning, Sthapatyaveda</p> <p>SO4.3 Understand the Chemistry and Metallurgy as gleaned from archeological artifacts</p> <p>SO4.4 Understand the Chemistry of Dyes, Pigments used in Paintings, Fabrics, Potteries and Glass</p> <p>SO4.5 Understand the Temple Architecture: Khajuraho, Sanchi Stupa, Chonsath Yogini temple</p> <p>SO 4.6 Understand the Mining and manufacture in India of Iron, Copper, Gold from ancient times</p>		<p>Unit-4.0: Engineering, Technology and Architecture [6 Hours]</p> <p>4.1 Engineering Science and Technology in Vedic and Post Vedic Era</p> <p>4.2 Town and Home planning, Sthapatyaveda</p> <p>4.3 Chemistry and Metallurgy as gleaned from archeological artifacts</p> <p>4.4 Chemistry of Dyes, Pigments used in Paintings, Fabrics, Potteries and Glass</p> <p>4.5 Temple Architecture: Khajuraho, Sanchi Stupa, Chonsath Yogini temple</p> <p>4.6 Mining and manufacture in India of Iron, Copper, Gold from ancient times</p>	<p>1. Ancient Science, Astronomy and Vedic Mathematics</p>

SW-4 Suggested Sessional Work (SW):

- a. **Assignments:** Varanamala of Hindi language based on classification of sounds on the basis of their origin.
- b. **Mini Project:** Nakshatras, Navagraha and their related plants.
- c. **Other Activities (Specify):**

OIKS04.5: Student will able to understand about the Life, Nature and Health through basic concept of Ayurveda and Yoga, Traditional Medicinal Systems, Ethnomedicine, Nature conservation, World Heritage Sites etc. Approximate Hours

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Item	AppX Hrs
CI	6
LI	0
SW	2
SL	1
Total	9

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO5.1 Understand the Fundamentals of Ayurveda (Charaka & Shushruta) and Yogic Science (Patanjali), Ritucharya and Dinacharya</p> <p>SO5.2 Understand the Traditional system of Indian medicines (Ayurveda, Siddha, Unani and Homoeopathy)</p> <p>SO5.3 Understand Fundamentals of Ethnobotany and Ethnomedicines of India</p> <p>SO5.4 Understand the Nature Conservation in Indian ancient texts</p> <p>SO5.5. Understand the Introduction to Plant Science in Vrikshayurveda</p> <p>SO5.6. Understand the World Heritage Sites of Madhya Pradesh: Bhimbetka, Sanchi, Khajuraho</p>		<p>Unit-5.0: Life, Nature and Health [6 Hours]</p> <p>5.1 Fundamentals of Ayurveda (Charaka & Shushruta) and Yogic Science (Patanjali), Ritucharya and Dinacharya</p> <p>5.2 Traditional system of Indian medicines (Ayurveda, Siddha, Unani and Homoeopathy)</p> <p>5.3 Fundamentals of Ethnobotany and Ethnomedicines of India</p> <p>5.4 Nature Conservation in Indian ancient texts</p> <p>5.5 Introduction to Plant Science in Vrikshayurveda</p> <p>5.6 World Heritage Sites of Madhya Pradesh: Bhimbetka, Sanchi, Khajuraho</p>	<p>1. Concept of Ayurveda and Yoga</p> <p>2. Traditional system of Indian medicines</p> <p>3. Ethnobotany and Ethnomedicines of India</p> <p>4. World Heritage Sites</p>

SW-5 Suggested Sessional Work (SW):

- a. **Assignments:** Visit to world Heritage Site Khajuraho.
- b. **Mini Project:** Ritucharya and Din Charya, Ethnomedicinal plants.
- c. **Other Activities (Specify):**

Brief of Hours suggested for the Course Outcome:

Course Outcomes	Class Lecture (CI)	Sessional Work (SW)	Self-Learning (SI)	Total hour (CI+SW+SI)
OIKS04.1: To understand the ancient civilization, Indian Knowledge Systems, Concept of PanchMahabhuta, Origin of name Bharat Varsha, Ancient Rivers, Ancient Universities and ancient agriculture	6	2	1	9
OIKS04.2: Students will have the ability to learn about ancient books, Religious places, basic concept of Indian dance, music and arts, and fundamental aspects of Sangeeta and Natyashashtra etc	6	2	1	9
OIKS04.3: Student will be able to gain knowledge on Vedic Science, Astronomy, Astrovastu, Vedic Mathematics, Aeronautics, Metallurgy, Nakhatras, Panchang, Concept of Zero, Pi and point etc	6	2	1	9
OIKS04.4: Understanding on ancient Engineering, Science and Technology, Town Planning, Temple architecture, Chemistry and Metallurgy, Metal manufacturing etc	6	2	1	9
OIKS04.5: Student will able to understand about the Life, Nature and Health through basic concept of Ayurveda andYoga, Traditional Medicinal Systems, Ethnomedicine, Nature conservation, World Heritage Sites etc.	6	2	1	9
Total Hours	30	10	5	45

Suggestion for End Semester Assessment:

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
OIKS04.1	Indian Civilization and Indian Knowledge System	2	5	1	8
OIKS04.2	Indian Art, Literature and Religious Places	2	6	2	10
OIKS04.3	Ancient Science, Astronomy and Vedic Mathematics	2	6	5	13

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OIKS04.4	Engineering, Technology and Architecture	2	4	4	10
OIKS04.5	Life, Nature and Health	2	5	2	9
Total		10	26	14	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Indian Knowledge Systems will be held with written examination of 50 marks.

Note: Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks.

Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Role Play
6. Visit to Religious places, World Heritage Sites
7. Demonstration
8. ICT Based Teaching Learning (Video Demonstration/Tutorials CBT, Blog, Facebook, Twitter, Whatsapp, Mobile, Online sources)
9. Brainstorming

Suggested Learning Resources:

(a) Books:

S. No.	Title	Author	Publisher	Edition & Year
1	An Introduction of Indian Knowledge Systems: Concept and Applications	Mahadevan, B.; Bhat V. R. and Pavana, Jagendra R. N.	Prentice Hall of India.	2022
2	Indian Knowledge Systems: Vol. I and II.	Kapoor, Kapil and Singh, A. K.	D.K. Print World Ltd	2005
3	Science of Ancient Hindus: Unlocking Nature in Pursuit of Salvation	Kumar, Alok	Create pace Independent Publishing	2014
4	A History of Agriculture in India	Randhava, M.S.	ICAR, New Delhi	1980

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5	PanchMahabhuta,	Yogcharya, Jnan Dev	Yog Satsang Ashram	2021
6	The Indian Rivers	Singh, Dhruv Sen	Springer	2018
7	The Wonder That Was India	Basam, ArthueLlewlllyn	Sidgwick & Jackson	1954
8	Ancient Cities, Sacred Skies: Cosmic Geometries and City Planning in Ancient India	Malville, J. MacKim & Gujaral, Lalit M.	IGNCA & Aryan Books International, New Delhi	2000
9	The Natya Shastra of Bharat Muni	Jha, Narendra	Innovative Imprint, Delhi	2023

10	Astronomy in India: A Historical Perspective	Padmanabhan, Thanu	Indian National Science Academy, New Delhi & Springer (India).	2010
11	History of Astronomy in India 2 nd Ed.	Sen, S.N. and Shukla, K.S.	INSA New Delhi	2001
12	History of Indian Astronomy A Handbook	Ramasubramanian, K.; Sule, Aniket and Vahia, Mayank	Science and Heritage Initiative, I.I.T. Mumbai and Tata Institute of Fundamental Research, Mumbai	2016
13	Indian Mathematics and Astronomy: Some Landmarks	Rao, Balachandra S.	Jnana Deep Publications, Bangalore, 3 rd Edition	. 2004
14	Vedic Mathematics and Science in Vedas	Rao, Balachandra S.	Navakarnataka Publications, Bengaluru	2019
15	A History of Hindu Chemistry	Ray, Acharya Prafulla Chandra	RepblShaibya Prakashan Bibhag, Centenary Edition, Kolkata	1902
16	Early Indian Architecture: Cities and City Gates	Coomeraswamy, Anand	Munciram Manoharlal Publishers	2002

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17	Theory and Practices of Temple Architecture in Medieval India: Bhojassamrangasutradhar and the Bhojpur Line Drawings	Hardy, Adams	Dev Publishers & Distributors.	2015
18	Indian Science and Technology in Eighteenth Century	Dharmpal	Academy of Gandhian Studies, Hyderabad.	1971
19	Science in India: A Historical Perspective	Subbarayappa, B.V.	Rupa New Delhi	2013
20	Fine Arts & Technical Sciences in Ancient India with special reference to Someswara's Manasollasa	Mishra, Shiv Shankar	Krishnadas Academy, Varanasi	1982
21	Fundamental Principles of Ayurveda, Volume One	Lad, Vasant D.	The Ayurvedic Press, Albuquerque, New Mexico.	2002
22	Charak Samhita, Chaukhamba	Pandey, Kashinath and Chaturvedi Gorakhnath	Vidya Bhawan, Varanasi	
23	Ayurveda: The Science of Self-Healing	Lad, Vasant D.	Lotus Press: Santa Fe	1984
24	Ayurveda: Life, Health and Longevity	Svoboda, Robert E	Penguin: London	1992
25	Plants in the Indian Puranas	Sensarma, P.	Naya Prokash, Calcutta	1989
26	Indian Cultural Heritage Perspective for Tourism	Singh, L. K.	Gyan Publishing House, Delhi	2008
27	Glimpses of Indian Ethnobotany	Jain, S.K.	Oxford & IBH Publishing Company Private Limited, New Delhi	1981
28	Manual of Ethnobotany	Jain, S.K.	Scientific Publishers, Jodhpur	2010

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4. Prof. R.L.S. Sikarwar, Director, Centre for Traditional Knowledge Research & Application, AKS University, Satna (M.P.).
5. Prof. Kamlesh Chaure, HOD, Department of Biotechnology, AKS University, Satna (M.P.).
6. Dr. Akhilesh Wao, HoD, Department of Computer Science, AKS University, Satna (M.P.).
7. Dr. Shailendra Yadav, HoD, Department of Chemistry, AKS University, Satna (M.P.).
8. Dr. Kaushik Mukherji, HoD, Department of Management, AKS University, Satna (M.P.).
9. Dr. Neeraj Verma, PG Coordinator, Faculty of Agriculture Science and Technology, AKS University, Satna (M.P.)
10. Dr. Dilip Kumar Tiwari, HoD, Department of Yoga, AKS University, Satna (M.P.).
11. Shri Mirza Shamiullah Beg, Department of Arts, AKS University, Satna (M.P.).
12. Shri Vivek Shrivastava, Examination, AKS University, Satna (M.P.).
13. Shri Manish Agrawal, Department of Mining, AKS University, Satna (M.P.).

Cos, POs and PSOs Mapping

Course Title: BBA (Hon's)

Course Code: 0IKS04

Course Title: Fundamentals of Indian Knowledge System

Course Outcomes	Program Outcomes						Program Specific Outcome	
	PO1	PO2	PO3	PO4	PO5	PO6	PSO 1	PSO 2
	Domain knowledge	Contemporary issues	Deep thinking, business analysis	Mobilization of resources	Research orientation	Developing corporate solutions	Acquire leadership skills and entrepreneurial mindset	Application of ethical practices and moral values
0IKS04.1: To understand the ancient civilization, Indian Knowledge Systems, Concept of PanchMahabhuta, Origin of name Bharat Varsha, Ancient Rivers, Ancient Universities and ancient agriculture	1	2	3	1	2	2	3	3

OIKS04.2: Students will have the ability to learn about ancient books, Religious places, basic concept of Indian dance, music and arts, and fundamental aspects of Sangeeta and Natyashashtra etc	2	2	1	1	2	1	1	1
OIKS04.3: Student will be able to gain knowledge on Vedic Science, Astronomy, Astrovestu, Vedic Mathematics, Aeronautics, Metallurgy, Nakhatras, Panchang, Concept of Zero, Pi and point etc	1	1	2	2	2	2	3	1

OIKS04.: Understanding on ancient Engineering, Science and Technology, Town Planning, Temple architecture, Chemistry and Metallurgy, Metal manufacturing etc	2	1	1	1	2	3	3	3
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OIKS04.5: Student will able to understand about the Life, Nature and Health through basic concept of Ayurveda and Yoga, Traditional Medicinal Systems, Ethnomedicine, Nature conservation, World Heritage Sites etc	2	2	3	3	1	1	1	1
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Legend: 1 – Low, 2 – Medium, 3 – High

Course Curriculum Map:

POs & PSOs No.	COs No.& Titles	SOs No.	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
POs 1,2,3,4,5,6 PSOs 1,2	OIKS04.1: To understand the ancient civilization, Indian Knowledge Systems, Concept of PanchMahabhuta, Origin of name Bharat Varsha, Ancient Rivers, Ancient Universities and ancient agriculture	SO1.1 SO1.2 SO1.3 SO1.4 SO1.5 SO1.6		Unit-1.0: Introduction to Human Resource Management 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10, 1.11, 1.12, 1.13, 1.14, 1.15, 1.16, 1.17, 1.18, 1.19, 1.20	
POs 1,2,3,4,5,6 PSOs 1,2	OIKS04.2: Students will have the ability to learn about ancient books, Religious places, basic concept of Indian dance, music and arts, and fundamental aspects of Sangeeta and Natyashashtra etc	SO2.1 SO2.2 SO2.3 SO2.4 SO2.5 SO2.6		Unit-2.0: Human Resource Planning 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 2.10, 2.11, 2.12, 2.13, 2.14, 2.15, 2.16, 2.17, 2.18, 2.19, 2.20	

POs 1,2,3,4,5,6 PSOs 1,2	OIKS04.3: Student will be able to gain knowledge on Vedic Science, Astronomy, Astrovasu, Vedic Mathematics, Aeronautics, Metallurgy, Nakhatras, Panchang, Concept of Zero, Pi and point etc	SO3.1 SO3.2 SO3.3 SO3.4 SO3.5 SO3.5		Unit-3.0: Training, performance appraisal and compensation 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11, 3.12, 3.13, 3.14, 3.15, 3.16, 3.17, 3.18, 3.19, 3.20, 3.21, 3.22, 3.23, 3.24, 3.25, 3.26, 3.27, 3.28, 3.29, 3.30
POs 1,2,3,4,5,6 PSOs 1,2	OIKS04.: Understanding on ancient Engineering, Science and Technology, Town Planning, Temple architecture, Chemistry and Metallurgy, Metal manufacturing etc	SO4.1 SO4.2 SO4.3 SO4.4 SO4.5 SO4.5		Unit-4.0: Industrial Relation 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.12, 4.12, 4.13, 4.14, 4.15
POs 1,2,3,4,5,6 PSOs 1,2	OIKS04.5: Student will be able to understand about the Life, Nature and Health through basic concept of Ayurveda and Yoga, Traditional Medicinal Systems, Ethnomedicine, Nature conservation, World Heritage Sites etc	SO5.1 SO5.2 SO5.3 SO5.4 SO5.5 SO5.5		Unit-5.0: Collective bargaining 5.1, 5.2, 5.3, 5.4, 5.5

Semester-II

Course Code:	0EVS03
Course Title :	Environmental Studies
Pre-requisite:	To study this course, the student must have a knowledge about the environmental components, pollution, biodiversity, and Ecosystem at senior secondary, Class 12'h level
Rationale:	The students studying Environmental Science should possess foundational understanding about environment and its components. They should also know the importance of ecosystems in our surroundings.

Course Outcomes:

0EVS03.1: Understand and evaluate the global scale of environmental problem.

0EVS03.2: To outline the resources, ecosystem, and diversity and explain the conservation and its significations.

0EVS03.3: To identify the environmental issues, types of pollutions and their impact.

0EVS03.4: Develop critical thinking for shaping strategies

0EVS03.5: For environmental protection, social equity and sustainable development **Scheme of Studies:**

Code	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
EVS	0EVS03	Environmental Studies	2	0	1	1	4	2

Legend:

CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.



Scheme of Assessment:

Theory:

Code	Course	Title	Scheme of Assessment (Marks)							
			Progressive Assessment (PRA)						Semester	Marks
			Class	CT	SA	AT	AT	AT		
EV S	0EVS0 3	Environmental Studies	15	20	5	5	5	50	100	

Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

0EVS03.1: Understand and evaluate the global scale of environmental problem.

Approximate Hours

Item	AppX Hrs
CI	8
LI	0
SW	1
SL	2
Total	11

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO1.1 Know multidisciplinary nature of environmental science</p> <p>SO1.2 Learn about the natural resources</p> <p>SO1.3 Know the problems associated with land resource</p> <p>SO1.4 Learn the conservation of resources</p> <p>SO1.5 Know alternative energy resources</p>		<p>Unit-1.0: Environment and Natural Resources [8 Hours]</p> <p>1.1 The Multidisciplinary nature of environmental studies.</p> <p>1.2 Scope and Importance of Environmental studies</p> <p>1.3 Components of Environment: Atmosphere, Hydrosphere, Lithosphere, and Biosphere.</p> <p>1.4 Brief account of Natural Resources and associated problems</p> <p>1.5 Land Resource</p> <p>1.6 Water Resource</p> <p>1.7 Energy Resource</p> <p>1.8 Concept of Sustainability and Sustainable Development</p>	<p>1. What is environmental Science?</p> <p>2. What are resources?</p>

SW-1 Suggested Sessional Work (SW):

a. Assignments:

- Write the definition and causes of soil erosion.
- Define desertification and write its causes.
- Describe structure of atmosphere.
- Explain lithosphere.

b. Mini Project:

c. Other Activities (Specify):

0EVS03.2: To outline the resources, ecosystem, and diversity and explain the conservation and its significations.

Approximate Hours

Item	AppX Hrs
CI	5
LI	0
SW	2
SL	2
Total	9

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO2.1 Understand the concept of ecosystem</p> <p>SO2.2 Learn the structure of ecosystem</p> <p>SO2.3 Know the function of ecosystem</p> <p>SO2.4 Describe the structure of forest ecosystem</p> <p>SO2.5 Learn about biodiversity and its conservation</p>		<p>Unit-2.0: Biomes, Ecosystem and Biodiversity [5 Hours]</p> <p style="text-align: center;">2.1Major Biomes: Tropical, Temperate, Forest, Grassland, Desert, Tundra, Wetland, Estuarine and Marine</p> <p>2.2Ecosystem: Structure</p> <p>2.3Function and types</p> <p>2.4their Preservation & Restoration</p> <p>2.5Biodiversity and its conservation practices</p>	<p>1. What is biotic and abiotic components of environment? 2. What are interactions?</p>

SW-2 Suggested Sessional Work (SW):

a. Assignments:

- What do you mean by ecosystem? Describe the structure of ecosystem.
- Give a brief classification of ecosystem.
- Write the function of an ecosystem.
- Define biodiversity write strategies of biodiversity conservation.

b. Mini Project: Visit to various ecosystem and study biotic and abiotic ecosystem. **c.Other**

Activities (Specify):

0EVS03.3: To identify the environmental issues, types of pollutions and their impact.

Approximate Hours

Item	AppX Hrs
CI	7
LI	0
SW	2
SL	2
Total	11

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self-Learning (SL)
<p>SO3.1. Learn about pollution and its sources</p> <p>SO3.2 Know the sources of different pollutant</p> <p>SO3.3 Understand the law & legislation related to environment</p> <p>SO3.4 Learn the control of pollution</p> <p>SO3.5 Describe the role of information technology in environment and human health</p>		<p>Unit-3.0: Environmental Pollution, Management and Social Issues [7 Hours]</p> <p>3.1 Environmental Pollution, Management and Social Issues</p> <p>3.2 Pollution: Types, Control measures, Management and associated problems.</p> <p>3.3 Environmental Law and Legislation: Protection and conservation Acts.</p> <p>3.4 International Agreement & Program</p> <p>3.5 Environmental Movements, communication and public awareness Program.</p> <p>3.6 National and International organizations related to environment conservation and monitoring.</p> <p>3.7 Role of information technology in environment and human health.</p>	<p>1. What is pollution basic introduction?</p> <p>2. What is pollutant?</p>

SW-3 Suggested Sessional Work (SW):

a. Assignments:

- Write an essay on air pollution.
- What do you mean by acid rain write its causes and effects.
- Describe the effects of water pollution.
- How soil pollution can be control?

- Describe the role of information technology in environment and human health.
- Mention some national and international organizations related to environment conservation and monitoring.

b. Mini Project:

- c. Other Activities (Specify):** Visit to different polluted sites and study the source of pollution and their effects.

Brief of Hours suggested for the Course Outcome:

Course Outcomes	Class Lecture (CI)	Sessional Work (SW)	Self-Learning (SI)	Total hour (CI+SW+SI)
0EVS03.1: To understand various aspects of life forms, ecological processes, and the impacts on them by the human during Anthropocene era	8	1	2	11
0EVS03.2: To build capabilities to identify relevant environmental issues, analyze the various underlying causes, evaluate the practices and policies, and develop framework to make inform decisions	5	2	2	9
0EVS03.3: To develop empathy for all life forms, awareness, and responsibility towards environmental protection and nature preservation.	7	2	2	11
Total Hours	20	5	6	31

Suggestion for End Semester Assessment:

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
0EVS03.1	Environment and Natural Resources	3	1	1	5
0EVS03.2	Biomes, Ecosystem and Biodiversity	2	6	2	10
0EVS03.3	Environmental Pollution, Management and Social Issues	3	7	5	15
Total		11	26	13	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Environmental Studies will be held with written examination of 50 marks.

Note: Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks.

Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Role Play
6. Visit to cement plant
7. Demonstration
8. ICT Based Teaching Learning (Video Demonstration/Tutorials CBT, Blog, Facebook, Twitter, WhatsApp, Mobile, Online sources)
9. Brainstorming **Suggested Learning Resources:**

(a) Books:

S. No.	Title	Author	Publisher	Edition & Year
1	Ecology; Environment Science and Conservation	Singh; J.S., Singh S.P. and Gupta, S. R	S. Chand publishing, New Delhi.	2018
2	Perspectives in Environmental Studies	Kaushik, Anubha, Kaushik, C.P.	New age International Publishers	2018
3	A Textbook of Environmental Studies	Asthana, D. K Asthana Meera	S. Chand Publishing, New Delhi	2007
4	Environmental Law and Policy in India: Cases, Material & Status	Divan, S. and Rosenkranz, A	Oxford University Press, India	2002
5	Lecture notes provided by Dept. of Management, AKS University, Satna			

Curriculum Development Team:

- 1.



Cos, POs and PSOs Mapping

Course Title: BBA (Hon's)
Course Code: 0EVS03

Course Outcomes	Program Outcomes					
	PO1	PO2	PO3	PO4	PO5	PO6
	Domain knowledge	Contemporary issues	Deep thinking, business analysis	Mobilization of resources	Research orientation	Developing corporate solutions
0EVS03.1: Understand and evaluate the global scale of environmental problem						
0EVS03.2: To outline the resources, ecosystem, diversity and explain the conservation and its significations						
0EVS03.3: To identify the environmental issues, types of pollutions and their impact						

Course Title: Environmental Studies

Legend: 1 – Low, 2 – Medium, 3 – High

POs & PSOs No.	COs No.& Titles	SOs No.	Laboratory Instruction (LI)	Classroom Instru
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Course Curriculum Map:



POs 1,2,3,4,5,6 PSOs 1,2	0EVS03.1: Understand and evaluate the global scale of environmental problem	SO1.1 SO1.2 SO1.3 SO1.4 SO1.5		Unit-1.0: Environmental Resources 1.1, 1.2, 1.3, 1.4, 1.5,
POs 1,2,3,4,5,6 PSOs 1,2	0EVS03.2: To outline the resources, ecosystem, diversity and explain the conservation and its significations	SO2.1 SO2.2 SO2.3 SO2.4 SO2.5		Unit-2.0: Biomes, Ecosystems and Biodiversity 2.1, 2.2, 2.3, 2.4, 2.5
POs 1,2,3,4,5,6 PSOs 1,2	0EVS03.3: To identify the environmental issues, types of pollutions and their impact	SO3.1 SO3.2 SO3.3 SO3.4 SO3.5		Unit-3.0: Environmental Management and Sustainability 3.1, 3.2, 3.3, 3.4, 3.5,

BACHELOR OF ARTS [BA] FIRST SEMESTER

Course Code: 1CA202

Course Title: PROGRAMMING IN C LANGUAGE

Pre-requisite: Student should have basic understanding of Fundamental of Computer. This course is based on programming so the students must have the basic knowledge of computers and its basic operations.

Rationale: Importance of C programming and its practical applications C programming language holds immense importance in the software development industry. Its simplicity, efficiency, and versatility make it a powerful tool for developing a wide range of applications. From operating systems to embedded systems, C finds its use in numerous domains.

Course Outcome:

CO1: Student will learn the core concept of C programming.

CO2: Students will use data types, variables, formatted and unformatted function and decision and looping control statement in program.

CO3: Student will learn the function and array in the program.

CO4: Student will learn the pointer and structure in the program. **CO5:** Student will learn the concept of file handling in the program.

Scheme of Studies:

BA Computer



Course Category	Course Code	Course Title	Scheme of studies(Hours/Week)					Total Credits(C)
			CI	LI	SW	SL	Total Study Hours(CI+LI+SW+SL)	
	1CA202	PROGRAMMING IN C LANGUAGE	4	2	1	1	8	6

Legend: CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, C: Credits.

Note: SW&SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Course Category	Course Code	Course Title	Scheme of Assessment(Marks)						End Semester Assessment	Total Marks
			Progressive Assessment(PRA)							
			Class/Home Assignment5 number 3 marks each (CA)	Class Test 2 (2 best Out Of 3) 10 marks each(CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)		
	1CA202	Programming in C	15	20	5	5	5	50	100	
		Language								

Course-Curriculum Detailing:



This course Curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO1: Student will learn the core concept of C programming.

		Item	A
		CI	
		LI	
		SW	
		SL	
		Total	
Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	



<p>SO1.1 Understand about program concept and history of C.</p>	<p>LI1.1 Write a Program to print different data types in 'C' and their ranges. LI</p>	<p>Unit-1.0 Introduction</p>
<p>SO1.2 Understand about structure of C program.</p>	<p>1.2 Write an algorithm & flowchart to find the smallest and largest number of among the three numbers.</p>	<p>1.1 Program Concept . 1.2 introduction, history of C . 1.3 Over view of procedural programming and object oriented programming</p>
<p>SO1.3 Use of algorithm and flow chart.</p>	<p>LI1.3 Write an Algorithm & Flowchart to convert temperature from Celsius to Fahrenheit.</p>	<p>1.4 Data Types 1.5 structure of C program</p>
<p>SO1.4 Types of flow chart.</p>		<p>1.6 Algorithms, Flow Charts - Symbols, 1.7 Rules for making Flow chart</p>
<p>SO1.5 Understand about programming techniques.</p>		<p>1.8 Types of flowchart 1.9 Programming Techniques — Top down, Bottom up, Modular, Structured - Features, Merits & Demerits</p>
<p>SO1.6 Understanding branching, looping recursion, cohesion and coupling.</p>		<p>1.10 Programming Logics- Simple Branching, 1.11 Looping, Recursion, Cohesion & Coupling, 1.12 Programming, Testing & Debugging & their Tools.</p>

SW-1 Suggested Sessional Work (SW): a.

Assignments:

- i. Create a program in C to check the input no is prime or not.



CO2: Students will use data types, variables, formatted and unformatted function and decision and looping control statement in program.

Item	AppXHrs
CI	12
LI	6
SW	1
SL	1
Total	20

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
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<p>SO2.1 Understand Variables.</p> <p>SO2.2 Types of variables</p> <p>SO2.3 Use of Identifiers, Keywords, data type and constants.</p> <p>SO2.4 Understand about Operator</p> <p>SO2.5 Understand about decision making branching.</p> <p>SO2.6 Understand about of looping.</p>	<p>LI 2.1 Write a program to calculate simple and compound interest. LI 2.2 Write a C program to find the roots of a quadratic equation. LI 2.3 Write a C program to make a simple calculator using switch...case.</p>	<p>Unit-2.0 Identifiers and Different Statements</p> <p>2.1 Programming in C including features of 'C'</p> <p>2.2 C tokens,</p> <p>2.3 Variables,</p> <p>2.4 Expressions, 2.5 Identifiers, Keywords,</p> <p>2.6 Data Types,</p> <p>2.7 Constants</p> <p>2.8 Operator: Arithmetic, Logical,</p> <p>2.9 Relational, Conditional and Bit wise Operators,</p> <p>2.10 Precedence and Associativity of Operators, evaluations of expressions</p> <p>2.11 Type conversions in expressions</p> <p>2.12 Decision Making branching</p> <p>2.13 Looping</p>	
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SW-1 Suggested Sessional Work (SW): a.

Assignments:

- i. Create a program in C to create two-dimensional array.



CO3: Student will learn the function and array in the program.

Item
CI
LI
SW
SL
Total

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)
<p>SO3.1 Understand about pointer.</p> <p>SO3.2 declaration of pointer</p> <p>SO3.3 Use of pointer with array</p> <p>SO3.4 use pointer with function</p> <p>SO3.5 Understand about pointer and structure.</p> <p>SO3.6 use of pointer within structure</p> <p>SO3.7 understands about DMA.</p>	<p>LI 3.1 Write a C program to print natural numbers from 1 to n.</p> <p>LI 3.2 Write a C program to find the factorial of a given number.</p> <p>LI.3.3 Write a program in C to check a given number is even or odd using the function.</p>	<p>Unit-3.0 Functions and Arrays</p> <p>3.1 Utility of function Call by value & call by reference</p> <p>3.2 User defined function library functions</p> <p>3.3 Categories of User defined functions ,</p> <p>3.4 Return values their types, Call a function, Void functions</p> <p>3.5 Differentiation between declaration and definition function argument/parameter</p>



		<p>in functions with number of arguments,</p> <p>3.6 recursion, Function arguments,</p> <p>3.7 Return values nesting of functions Recursion, Calling functions,</p> <p>3.8 Scope and life of - local and global variable, Storage class - auto, extern, static, register.</p> <p>3.9 Arrays : What is an array, declaring and initializing an array, accessing individual elements in an array,</p> <p>3.10 manipulating elements using loops,</p> <p>3.11 2D and multidimensional arrays. declaration,</p> <p>3.12 string functions — strcat, strcpy, strcmp, strlen, strstr.</p>
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SW-1 Suggested Sessional Work (SW): a.

Assignments:

- i. Create a program in C to check the input no is prime or not.
- ii Write difference between structure and union.



CO4: Student will learn the pointer and structure in the program.

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)
<p>SO4.1 Understand about file handling.</p> <p>SO4.2 file handling function</p> <p>SO4.3 random access file</p> <p>SO4.4 learn graphics programming</p>	<p>LI.4.1 Write a C program to access elements of an array using pointers. LI.4.2 Write a C program to calculate the average of array elements. LI.4.3 Write a C program to store information of 10 students using structures. LI.4.4 Add two complex numbers by passing structures to a function. LI.4.5 Write a C program to find the length of a string.</p>	<p>Unit-4.0 Pointer and Structure</p> <p>4.1 Pointers: operations on pointers, Basic of pointers and operators, Accessing the address of variable.</p> <p>4.2 Declaration and initializing pointers, Accessing a variable through its pointer,</p>

Item	
CI	
LI	
SW	
SL	
Total	



		<p>4.3 Pointer expressions, Pointers and function, Array of pointers,</p> <p>4.4 Pointer and strings.</p> <p>4.5 Pointer to structure,</p> <p>4.6 Pointers within structure</p> <p>,</p> <p>5.7 preprocessor, #define, defining functions like macros, compilation directives i.e. #if, #else, #elif and #ifdef & undef.</p> <p>4.8 Structures : Structure definition, declaring and initializing</p> <p>4.9 Structure variables, the structure tag, period operator , accessing</p> <p>4.10 Structure members, Copying & Comparison of structures.</p> <p>4.11 The concept of structure of structure , array of structure,</p> <p>4.12 structure and pointer,</p>	
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		arrow operator and nesting of structure, Unions : initialization and use of it in a program.	
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SW-1 Suggested Sessional Work (SW):

a. Assignments:

i. Create a program in C to store and read a file content in C.

ii. Create a program in C to draw and fill rectangle.



CO5: Student will learn the concept of file handling in the program.

Item	AppX Hrs
CI	12
LI	6
SW	1
SL	1
Total	20

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (S L)



<p>SO5.1 Understand about file handling.</p> <p>SO5.2 Understand about file inclusion</p> <p>SO5.3 Types of file.</p> <p>SO5.4 Understand about the different function.</p> <p>SO5.5 Understand the different mode of file.</p>	<p>LI5.1. Write a C programs to reverse a string using recursion.</p> <p>LI 5.2 Write a C Program to find largest element in an array. LI</p> <p>5.3 Write a C program to add two matrices using multidimensional arrays.</p> <p>LI 5.4 Write a C program to store information of students using structure.</p> <p>LI 5.6 Write a C program to swap two numbers using pointers. LI</p> <p>5.7 Write a C program to Print Pyramids and Patterns. LI 5.8 Write a C program to read and write to a text file.</p>	<p>Unit-5.0 File Management</p> <p>5.1 Introduction — File handling, File structure, File handling function</p> <p>5.2 File types, Streams, Text, Binary,</p> <p>5.3 File system basics, 5.4 The file pointer, Opening a file, Closing a file.</p> <p>5.5 Writing a character, Reading a character.</p> <p>5.6 Using fopenO, getcO, putcO, and fcloseO,</p> <p>5.7 Using feof(), Working with string fputs() and fgets(),</p> <p>5.8 Standard streams in C, 5.9 Flushing a stream Using fread() and fwrite(),</p> <p>5.10 Direct access file, fseek() and random access</p> <p>5.11 I/O, fprintf() and fscanf(),</p> <p>5.12 Command line arguments.</p>	
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SW-1 Suggested Sessional Work (SW): a.

Assignments:

- i. Explain command line argument.
- ii explain the preprocessor directive.



Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Laboratory Instruction (LI)	Sessional Work (SW)	Self Learning (Sl)	Total hour(Cl+SW+Sl)
CO1: Student will learn the core concept of C programming.	12	06	01	01	20
CO2: Students will use data types, variables, formatted and unformatted function and decision and looping control statement in program.	12	06	01	01	20
CO3: Student will learn the function and array in the program.	12	06	01	01	20
CO4: Student will learn the pointer and structure in the program.	12	06	01	01	20
CO5: Student will learn the concept of file handling in the program.	12	06	01	01	20
Total Hours	60	30	05	05	100

Suggestion for End Semester Assessment



Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO1	Introduction	03	04	03	10
CO2	Identifiers and Different Statements	05	03	02	10
CO3	Functions and Arrays	05	02	03	10
CO4	Pointer and Structure	04	04	02	10
CO5	File Management	03	05	02	10
Total		20	15	15	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Programming in C Language will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Role Play
6. Visit to IT Industry.
7. Demonstration
8. ICT Based Teaching Learning (Video Demonstration/Tutorials CBT, Blog, Facebook, Twitter, Whats App, Mobile, Online sources)



9. Brainstorming

Suggested Learning Resources:

S. No.	Title	Author	Publisher	Edition & Year
1	The C Programming Language	Kernighan, Ritchie	Prentice Hall of India.	Revised edition 21 edition 2020
2	Programming Language Concepts	Carlo Ghazi, Mehdi Jazayeri	John Wiley and Sons	1999
3	Programming in ANSIC C	E. Balaguru samy	Tata McGraw Hill	2002
4	Let Us C	Yashavant Kanetkar	Seventh Edition, BPB Publications	2007
5	Programming in C	Reema Thareja	Oxford University Press India, Noida	

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A K S University

Faculty of Management Studies

Department of Business Administration

Curriculum of BBA (Hon's) Program (Revised as on 01 August 2023)

CO-PO-PSO Mapping

PO NO.	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO1	PS O2	PSO3
Program Outcomes	Engineering knowledge	Problem Analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Being able to comprehend and put knowledge of software application analysis, design, and	Apply knowledge and skills for computer practice while	The capacity to work with cutting - edge com puting systems and pursue employment in the IT
CO1	3	3	2	2	1	2	1	1	1	1	1	3	3	2	1
CO2	3	3	2	3	1	2	1	1	1	1	1	3	3	1	3
CO3	3	3	1	2	3	2	1	1	1	1	1	3	1	2	3
CO4	3	3	3	2	1	2	1	1	1	1	1	3	1	3	3
CO5	1	3	2	2	1	2	1	1	1	1	1	3	3	2	2



Course Curriculum Map

Cos No. & SOs /*-No.	Cos No. & Titles	SOs No.	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self
5,6,7,8,12,2,3	CO1: Student will learn the core concept of C programming.	SO1:1.1 SO2:1.2 SO3:1.3 SO4:1.4 SO5:1.5	LI:1.1 LI:1.2 LI:1.3	Unit-1: Introduction 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11,1.12	As Menti in Pag
5,6,7,8,12,2,3	CO2: Students will use data types, variables, formatted and unformatted function and decision and looping control statement in program.	SO1:2.1 SO2:2.2 SO3:2.3 SO4:2.4 SO5:2.5 SO6:2.6	LI:2.1 LI:2.2 LI:2.3	Unit-2 :Identifiers and different statements 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,1.12	
5,6,7,8,12,2,3	CO3: Student will learn the function and array in the program.	SO1:3.1 SO2:3.2 SO3:3.3 SO4:3.4 SO5:3.5 SO6:3.6 SO7:3.7	LI:3.1 LI:3.2 LI:3.3	Unit-3 :Functions and Arrays 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,1.12,2.13	
5,6,7,8,12,2,3	CO4: Student will learn the pointer and structure in the program.	SO1:4.1 SO2:4.2 SO3:4.3 SO4:4.4	LI:4.1 LI:4.2 LI:4.3 LI:4.4 LI:4.5	Unit-4: Pointer and Structure 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11	
5,6,7,8,12,2,3	CO5: Student will learn the concept of file handling in the program.	SO1:5.1 SO2:5.2 SO3:5.3 SO4:5.4 SO5:5.5	LI:5.1 LI:5.2 LI:5.3 LI:5.4 LI:5.5 LI:5.6 LI:5.7	Unit5: File Management 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11,1.12	



AKS University

Faculty of Social Science and Humanities

Department of Arts

**Curriculum of BA HISTORY (Revised
as on 01.08.2023)**

Semester-II

Course Code: 01HI202

Course Title : Idea Of Bharat

Pre- requisite: This course can be opted by any student who has passed 12 th class .

Rationale: **'It's all about India's glorious past.**

After Studying this paper ,students will aquire knowledge regarding the primitve life and cultural status of the people of Ancient India .They can gather knowledge about the society ,culture , religion and political History , changing socio- cultural escenario of Ancient India . Students will get to know the golden past of India and feel proud of themselves.

Course Outcomes:

the students will. be able to

01HI202.1 Aquire knowledge regarding the primitve life and cultural status of the people of Ancient India

01HI202.2 They can gather knowledge about the society ,culture , religion and political History of Ancient India.



01HI202.3 changing socio- cultural scenarios of Ancient India .

01HI202.4 Students will get to know the golden past of India and feel proud of themselves.

01HI202.5 Students will be able to give presentation on Indian Economic tradition .

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
Program Core	1HI202	Idea of Bharat	6	0	0	0	6	6

Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:**Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory



Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment	Total Marks
			Progressive Assessment (PRA)								
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)	(ESA)	(PRA+ESA)	
	1HI 202	Idea Of Bharat	15	20	5	5	5	50	50	100	

Course-Curriculum Detailing:

This course curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

- 1- Students will present clear cut ideas about the concept of Bharat varsha ,Indian view of History and The glory of Indian Literature.



Approximate Hours

Item	Appx Hrs.
CI	24
LI	0
SW	1
SL	1
Total	26

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(S L)



<p>SO1.1 Understand the Concept and nature of Bharatvarsha</p> <p>SO1.2 Understand the Eternity of synonyms Bharatvarsha</p> <p>SO1.3 Understand the Indian concept of Time and space</p> <p>SO1.4 Evaluate the Glory of Indian Literature</p> <p>SO1.5 Write meaningful essay on Indian view of History</p>	<p>Unit -1 - Concept of Bharatvarsha</p> <p>1.1- Understanding of Bharatvarsha</p> <p>1.2 Concept of Bharatvarsha</p> <p>1.3 Geography of Bharatvarsha</p> <p>1.4 Culture of Bharatvarsha</p> <p>1.5 Religious condition of Bharatvarsha</p> <p>1.6 Festivals of Bharatvarsha</p> <p>1.7 History of Bharatvarsha</p> <p>1.8 Eternity of synonyms Bharat</p> <p>1.9 Indian Concept of Time</p> <p>1.10 Significance of Time</p> <p>1.11 Indian Concept of Space</p> <p>1.12 Significance of Space</p> <p>1.13 Indian View of History</p> <p>1.14 Indian Historiography</p> <p>1.15 Various trends on Historiography</p> <p>1.16 The Glory of Indian Literature</p> <p>1.17 Four Vedas</p> <p>1.18 Six Vedangas</p> <p>1.19 108 Upanishads</p> <p>1.20 Various Epics</p> <p>1.21 Various Smritis</p> <p>1.22 Puranas</p> <p>1.23 Buddhist Literature</p> <p>1.24 Jainism Literature</p> <p>7</p>
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.2-Student will be able to draw the picture of Indian Knowledge tradition ,art and culture

Approximate Hours

Item	Appx Hours
CI	23
LI	0
SW	1
SL	1
Total	25

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO2.1 Concept about evolution of various Ancient Indian Language and script</p> <p>SO2.2 Understanding about salient features of Art and Culture .</p> <p>SO2.3 Preparation of presentation on Indian Educational system</p> <p>SO2.4 Understanding the Ethics of Indian Velor</p>		<p>UNIT 2- Indian Knowledge Tradition ,Art and Culture</p> <p>2.1- Evolution of Language</p> <p>2.2 Evolution of Script</p> <p>2.3 Evolution of Brahmi</p> <p>2.4 Evolution of Kharoshthi</p> <p>2.5 Evolution of Pali</p> <p>2.6 Evolution of Prakrit</p> <p>2.7 Evolution of Sanskrit</p> <p>2.8 Evolution of Tigaliri</p> <p>2.9 Dictionary of Brahmi</p> <p>2.10 Dictionary of Kharoshthi</p> <p>2.11 Dictionary of Pali</p> <p>2.12 Dictionary of Prakrit</p> <p>2.13Dictionary of Sanskrit</p> <p>2.14 Dictionary of Tilgiri</p> <p>2.15 Salient features of Indian Art</p> <p>2.16 Salient features of Indian Culture</p> <p>2.17 Salient features of Indian Panting Art</p> <p>2.18 Salient features of Indian Dancing Art</p> <p>2.19 Indian Educational System</p> <p>2.20 Salient features of Indian Educational system</p> <p>2.21-The concept of Indian ethics</p> <p>2.22 The Concept of Indian Vellore</p> <p>2.23 Significance of Ethics</p>	
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3:- Students will be give an analytical view of Dharma , Philosophy and Vasudhaiva Kutumbakam
Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	1
SL	1
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(S L)
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<p>SO3.1 Meaning and Indian concept of Dharma and Darshan.</p>		<p>Unit-3 : Dharma , Philosophy and Vasudhaiva Kutumbakam</p>	
<p>SO3.2 Understanding about the concept of Vasudhaiva Kutumbakam .</p>		<p>3.1 Indian Perception of Dharma 3.2 Salient features of Dharma 3.3 Significance of Dharma 3.4 Indian Perception of Darshan 3.5 Salient features of Darshan 3.6 Significance of Darshan 3.7 Various Schools of Darshan 3.8 Salient features of Sankhya Darshan 3.9 Salient features of Nyaya Darshan 3.10 Salient features of Vaisheshika Darshan 3.11 Salient features of Yoga Darshan 3.12 Salient features of Vedanta Darshan</p>	
<p>SO3.3 Understanding the Polity and Governance.</p>		<p>3.13 The concept of Vasudhaiva Kutumbakam : 3.14 Significance of Vasudhaiva Kutumbakam 3.15 Vasudhaiv Kutumbakam in reference of Man,Family , Society and world 3.16 Significance of Polity and Governance 3.17 Analysis the Significance of Polity and Governance 3.18 The concept of Janpada & Gram Swarajya</p>	
<p>SO3.4 Understanding about the concept of Janpad .</p>			
<p>SO3. 5 Understanding about the concept of Gram Swarajya .</p>			

4-Student will write essay on Science , Environment and Medical science .



Approximate Hours

Item	Appx Hours
CI	14
LI	0
SW	1
SL	1
Total	16

Session Outcomes (SOs)	(L I)	Class room Instruction (CI)	(S L)
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<p>SO4.1 Understanding about the nature of science and technology in Ancient India .</p>	<p>.</p>	<p>Unit-4 : Science , Environment and Medical Science</p>	
<p>SO4.2 Preparation of table on various Indian Numeral system and Mathematics</p>		<p>4.1-Science in Ancient India</p>	
<p>SO4.3 Understanding about Helth consciousness</p>		<p>4.2 Technology in Ancient India</p>	
<p>SO4.4 Understandin about the Ayurveda ,Yoga and Naturopathy</p>		<p>4.3 Development of Science in Ancient India</p>	
<p>SO4.5 Preparation of presentation on Indian View of Environmental conservation.</p>		<p>4.4 Development of various technology in Ancient India</p>	
<p></p>		<p>4.5 Salient features of Science and Technology in Ancient India</p>	
<p></p>		<p>4.6 Concept of Environmental conservation: Indian view</p>	
<p></p>		<p>4.7 Various forms of environmental conservation through culture in Ancient India</p>	
<p></p>		<p>4.8 Health consciousness (Science of Life)</p>	
<p></p>		<p>4.9-Concept and Significance of Ayurveda</p>	
<p></p>		<p>4.10 Concept and Significance of Yoga</p>	
<p></p>		<p>4.11Concept and Significance of Naturopathy</p>	
<p></p>		<p>4.12Indian Numeral system</p>	
<p></p>		<p>4.13 Concept of Mathematics</p>	
<p></p>		<p>4.14 Famous Mathematician in Ancient India</p>	

5 Students will be able to give presentation on Indian Economic tradition .

Item	Appx Hours
CI	13
LI	0
SW	1



SL	1
Total	15

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(S L)
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<p>SO5.1 Understand about the nature of Indian economy</p> <p>SO5.2 Preparation of table on Trade , commerce and Industry .</p> <p>SO5.3 Understanding about Maritime Trade</p> <p>SO5.4 Understanding about the concept of Land ,forest and Agriculture</p>		<p>Unit 5: Indian Economic Tradition</p> <p>5.1- Indian Economic Thought</p> <p>5.2 Various School of Indian Economic Thought</p> <p>5.3 Salient features of Indian Economy</p> <p>5.4 Nature of Indian Economy</p> <p>5.5 -Concept of Land</p> <p>5.6Concept of Forest</p> <p>5.7 Importance of Forest in Indian Culture</p> <p>5.8Development of Agriculture</p> <p>5.9 Development of Industry in Ancient India</p> <p>5.10Activities of Inland trade</p> <p>5.11 Components of Inland Trade .</p> <p>5.12 Forms of Various commercial activities in Ancient India</p> <p>5.13- Significance of Maritime Trade in Ancient Indian Economy</p>	
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Brief of Hours suggested for the Course Outcome



Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+ Sl)
1-Students will present clear cut ideas about the concept of Bharat varsha ,Indian view of History and The glory of Indian Literature.	24	1	1	26
2- .Student will be able to draw the picture of Indian Knowledge tradition ,Art and culture	23	1	1	25
3- Students will be give an analytical view of Dharma , Philosophy and Vasudhaiva Kutumbakam .	18	1	1	20
4-Student will write essay on Science , Environment and Medical science.	14	1	1	16
5-Students will be able to give presentation on Indian Economic tradition .	13	1	1	15
Total Hours	92	05	05	102

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	1-Concept of Bharatvarsha	01	02	02	05
CO-2	2- Indian Knowledge Tradion ,Art and Culture	01	02	02	05
CO-3	3- Dharma , Philosophy and Vasudhaiva Kutumbakam	1	02	10	13



CO-4	4- Science , Environment and Medical Science	-	0 2	11	1 3
CO-5	5-Indian Economic Traditions	1	3	10	14
Total		04	1 1	35	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Financial Accounting will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Brainstorming Suggested Learning Resources:

(a) Books :

S. No.	Title	Author	Publisher	Edition & Year
1	The Wonder That was India	Basham A.L.	Rupa ,Delhi	Revised edition 1994
2	The Beautiful Tree	Dharampal	Other India Press ,Delhi	Edition 1995



3	The Story of Civilization	Will Durant	Five communication ,US	Revised edition 1993

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CO-PO Mapping:

PO N O.	PO1	PO2	PO3	PO4	PO5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	P O 12	PS O1	PSO2	PSO3
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Pr ogr am Ou tco me s	Th e stu de nts ac qui re kn ow led ge in the fiel d of soc ial sci en ces , lite rat ure an d hu ma niti es wh ich ma ke the m sen siti ve an d sen sib le en	The B.A. gradu ates will be acqu ainted with the social , econo mical , histor ical, geogr aphic al, politi cal, ideol ogica l and philo sophi cal tradi tion and think ing.	The prog ram also emp ower s the grad uates to appe ar for vario us com petiti ve exa mina tions or choo se the post grad uate prog ram me of their choi ce.	The B. A. prog ram enabl es the stude nts to acquir e the know ledge with huma n value s fram ing the base to deal with vario us probl ems in life with coura ge and huma nity.	The stude nts will be ignite d enoug h to think and act over for the soluti on of vario us issues preva iled in the huma n life to make this world better than ever.	P r o g r a m m e p r o v i d e s t h e b a s e t o b e t h e r e s p o n s i b l e	E n v i r o n m e n t a n d s u s t a i n a b i l i t y	E t h i c s	I n d i v i d u a l a n d t e m w o r k	C o m m u n i c a t i o n	P r o j e c t m a n a g e m e n t a n d f i n a n c e	L i f e l o n g l e a r n i n g	Un der sta nd the soc ho, ec on om ic, relig io us an d pol itic al co ndi tio n of Ind ia thr ou gh the ag e at the loc al , reg ion al an d nat ion	Dev elop the skill s need s to succ eed in com petiti ve exa mina tions to enha nce job oppo rtuni ties in vario us histo ry relat ed field s e.g. archi ves , mus eum s.	Dis cus s the dev elop ment in art and arc hite ctur e lan gua ge and liter atur e ,sci enc e and tech nol ogy .
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A K S University



Faculty of

Social Science and Humanities

Department of Arts

Curriculum of BA Computer Program

(Revised as on 01 August 2023)



C O1	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
C O2	3	1	2	2	2	2	1	1	1	1	1	3	2	3	2
C O3	2	3	2	3	1	3	1	1	1	1	1	2	3	3	3
C O4	3	1	2	2	1	2	1	1	1	1	1	3	1	2	2
C O5	1	3	2	2	2	2	1	1	1	1	1	3	3	3	3

Course Curriculum Map

POs& PSOs /*-No.	COsNo.&Titles	SOsNo.	La bor ato ryI nst ruc tio n(LI)	Classroom Instruction(CI)	SelfLearn ing(SL)
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO:1,2, 3	CO- 1: Aquire knowledge regarding the primitve life and cultural status of the people of Ancient India .	SO1:1 SO1.2 SO1.3 SO1.4 SO1.5		Unit-1.0 Concept of Bharatvarsha 1.1,1.2,1.3,1.4,1.5,1.6, 1.7,1.8,1.9 ,1.10,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18,1.19,1.20,1.21,1.22 ,1.23,1.24	As Mention ed in Page no. ____ to _____



<p>PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12</p> <p>PSO: 1,2,3</p>	<p>CO- 2: They can gather knowledge about the society ,culture , religion and political History of Ancient India.</p>	<p>SO2:1 SO2.2 SO2.3 SO2.4</p>	<p>Unit-2 Indian Knowledge Tradition ,Art and Culture</p> <p>2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,2.12,2.13,2.14,2.15,2.16,2.17,2.18,2.19,2.20,2.21,2.22,2.23</p>
<p>PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12</p> <p>PSO: 1,2,3</p>	<p>CO- 3: changing socio-cultural scenarios of Ancient India</p>	<p>SO3:1 SO3.2 SO3.3 SO3.4 SO3.5</p>	<p>Unit-3: Dharma , Philosophy and Vasudhaiva Kutumbakam</p> <p>3.1,3.2,3.3,3.4,3.5,3.6,3.6,3.7,3.8,3.9,3.10,3.11,3.12,3.13,3.14,3.15,3.16,3.17,3.18</p>
<p>PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12</p> <p>PSO: 1,2,3</p>	<p>CO- 4: Students will get to know the golden past of India and feel proud of themselves.</p>	<p>SO4:1 SO4.2 SO4.3 SO4.4 SO4.5</p>	<p>Unit-4: : Science , Environment and Medical Science</p> <p>4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13,4.14</p>
<p>PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12</p> <p>PSO: 1,2,3</p>	<p>CO- 5: Students will be able to give presentation on Indian Economic tradition</p>	<p>SO5:1 SO5.2 SO5.3 SO5.4</p>	<p>Unit5- Indian Economic Tradition</p> <p>5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11,5.12,5.13</p>



Semester-II

Course Core- 1EC201

Code:

Course MICRO ECONOMICS

Title :

Pre-requisite: This course can be opted by any student who has passed 12 th class .Student should have basic knowledge of History ,politics ,society and economics.

Rationale: After completing this course, students will be able to understand rational behaviour and fundamentals of microeconomics. They will be able to explain consumer's and producer's behaviour and their optimum decisions. Students will be able to know about the firms and industry. They will be also able to explain the theory of distribution.

Students will be able to know about the firms and industry, markets and their decisions about optimum production. They will be also able to explain they theory of distribution and concept of economic welfare.

Course Outcomes:

The students will learn to;

CO1: Analyze the Relation of economics and methods of economics.

CO.2: TO explane ordinal and cardinal approach ,law of demand and elasticity of demand

CO 3: To explain law of variable proportion , concept of revenue and cost.

CO 4 They will able to know about market and price determination. CO

5- They will also able to know factor pricing and concept of welfare

economics AKS University

Faculty of Social Science and Humanities

Department of Arts

Curriculum of BA ECONOMICS

(Revised as on(01.08.2023))

Scheme of Studies:



Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
Program Core	1EC201	Micro economics	6	0	0	0	6	6

Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment	Total Marks
			Progressive Assessment (PRA)						Total Marks		
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	(CA+CT+SA+CAT+AT)			
	1EC201	Micro economics	15	20	5	5	5	50	(ESA)	(PRA + ESA)	



AKS University

Faculty of Social Science and Humanities

Department of Arts

Curriculum of BA INDIAN ECONOMY

(Revised as on 01.08.2023)

Course-Curriculum Detailing:

This course curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion

CO1: Analyze the Relation of economics and methods of economics

Approximate Hours

Item	Appx Hrs.
CI	18
LI	0
SW	2
SL	1
Total	21

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
SO.1 concept of definition ,scope and nature of economics SO.2 Concept of relation of economics with other economics SO.3 understanding positive and normative economics SO.4 understanding basic concept of commodity, price,wants and choice SO.5 concept of central problem of an economy,ppc		UNIT -1 INTRODUCTION OF ECONOMICS 1.1 Definition of economics 1.2 Scope of economics 1.3 Nature of economics. 1.4- relation of economics with other economics 1.4- Meaning of positive and normative economics 1.5- definition of positive and normative economics 1.6 merits demerits of positive and normative economics 1.7- methods of economics analysis- 1.8 inductive and deductive methods- 1.9 definition of methods of economics 1.10 types of methods of economics 1.11 merits and demerits of methods of economics 1.12 basic concept of commodity	



		1.13 price,value of commodity 1.14 rational behaviour of commodity 1.15 economic laws of commodity , 1.16 wants and choice commodity 1.17 control problem of an economy 1.18 -ppc explain with diagram.	

CO2:.TO explane ordinal and cardinal approach ,law of demand and elasticity of demand

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	1
SL	01
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO2.1 Concept concept of cardinal approach</p> <p>SO2.2- concept of law of diminishing marginal utility</p> <p>SO2.3 concept of law of equimargian utility</p> <p>SO2.4 Understanding the concept of ordinal approach</p> <p>SO2.5 Understanding behavioural approach-law of demand</p>		<p>UNIT-2 CONSUMER BEHAVIOUR</p> <p>2.1 concept of cardinal approach - utility</p> <p>2.2 total utility,</p> <p>2.3 law of diminishing marginal utility</p> <p>2.4 law of equi marginal utility,</p> <p>2.5 consumer surplus</p> <p>2.6 Ordinal approach</p> <p>2.7 indifference curve-meaning,</p> <p>2.8 characteristics of indifference curve</p> <p>2.9 consumer equilibrium</p> <p>2.10 Behavioural approach – 2.11 revealed preference theory</p> <p>2.12 Law of demand</p> <p>2.13 griffin good theory</p> <p>2.13 Elasticity of demand –price</p> <p>2.14 ,income Elasticity of demand</p> <p>2.15 cross elasticity of demand</p> <p>2.16 time Elasticity of demand</p> <p>2.17 importance of indifference curve</p>	
		<p>2.18 types of indifference curve</p>	

CO 3: To explain law of variable proportion , concept of revenue and cost

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	1
SL	1
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO3.1 Meaning and concept law of elasticity SO3.2 Understanding about the production function SO3.3 Understanding the concept returns to scale SO3.4 Understanding about the producer's equilibrium SO3.5 Understanding about the concept of revenue and cost</p>	<p>.</p>	<p>Unit-3 :PRODUCTION 3.1 Law of supply 3.2 elasticity of supply explain with diagram 3.3 Production function 3.4 short run and long run 3.5 Law of variable proportions 3.6 Returns to scale -meaning and explanation 3.7 Importance of Returns to scale 3.8 Iso product curve -meaning 3.9 characteristics Producer's equilibrium 3.10 Economies of scale-meaning 3.11 Definition of Economies of scale 3.12 Importance of Economies of scale 3.13 Types of Economies of scale 3.14 Concept of Economies of scale 3.15 Meaning of revenue 3.16 Concept of revenue 3.17 Total cost 3.18 average and marginal revenue</p>	
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CO 4: They will able to know about market and price determination.

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	02
SL	01
Total	21

<p>Session Outcomes (SOs)</p>	<p>(LI)</p>	<p>Class room Instruction (CI)</p>	<p>(S L)</p>
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<p>SO4.1 Understanding about the market and its classification</p> <p>SO4.2 understanding about the perfect competition</p> <p>SO4.3 Understanding about determination of price and output</p> <p>SO4.4 Understanding about the monopoly</p> <p>SO .5 understanding about the monopolistic competition</p>	<p>.</p>	<p>Unit-4 MARKET AND CLASSIFICATION</p> <p>4.1 -meaning of market</p> <p>4.2 classification of market</p> <p>4.3 concept of market</p> <p>4.4 importance of market</p> <p>4.5 types of market</p> <p>4.6 theory of perfect competition</p> <p>4.7 perfect competition meaning</p> <p>4.8 features of perfect competition</p> <p>4.9 importance of perfect competition</p> <p>4.10 types of perfect competition</p> <p>4.11 meaning of monopoly</p> <p>4.12 - determination of price perfect competition</p> <p>4.13 output under perfect competition</p> <p>4.14 determination of price and output under monopoly</p> <p>4.15- price discrimination of monopoly</p> <p>4.16 price and output under monopoly</p> <p>4.17- meaning of monopolistic competition – meaning definition</p> <p>4.18 features and demerits of monopolistic</p>	
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CO 5.They will also able to know factor pricing and concept of welfare economics

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	02
SL	01
Total	21



Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(S L)
SO5.1 Understand about the marginal productivity theory SO5.2 Understanding about the theory of distribution SO5.3 Understanding about the theory of rent SO5.4 Understanding about theory of interest ,profit SO5.5 understanding about concept of welfare economics		UNIT -5 THEORY OF FACTOR PRICING 5.1 marginal productivity theory explanation 5.2 theory of distribution explanation 5.3 Rent- theories 5.4 meaning definition of rent 5.5 kinds of rent 5.6 Ricardian theory of rent 5.7 Modern theory of rent 5.8 Quasi of rent 5.9 Wage- theories, 5.10 Meaning and definition of wage 5.11 Interest theories meaning, definition 5.12 Kinds of interest 5.13 New classical theory of interest 5.14 Modern theory of interest 5.15 Features of profit 5.16 Modern theory of profit 5.17 Profit theories meaning ,definition 5.18 Concept of welfare economics	

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class	Sessiona	Self	Total
	Lecture (CI)	I Work (SW)	Learning (SI)	hour (CI+SW+ SI)
1;Analyze the Relation of economics and methods of economics	18	2	1	21
.2: TO explane ordinal and cardinal approach ,law of demand and elasticity of demand	18	1	1	20
3: To explain law of variable proportion , concept of revenue and cost	18	1	1	20



4: They will able to know about market and price determination.	18	2	1	21
5- They will also able to know factor pricing and concept of welfare economics	18	2	1	21
Total Hours	90	08	05	103

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	INTRODUCTION OF ECONOMICS	01	02	02	05
CO-2	CONSUMER BEHAVIOUR	01	02	02	05
CO-3	PRODUCTION	1	02	10	13
CO-4	MARKET AND CLASSIFICATION	-	02	11	13
CO-5	THEORY OF FACTOR PRICING	01	03	10	14
Total		04	11	35	50

Legend: R: Remember, U: Understand, A: Apply The end of semester assessment for Indian economy will be held with written examination of 50 marks

Suggested Instructional/Implementation Strategies:

6. Improved Lecture
7. Tutorial
8. Case Method
9. Group Discussion
10. Brainstorming



Suggested Learning Resources:

(b) Books :

S. No.	Title	Author	Publisher	Edition & Year
1	PRINCIPLES OF MICRO ECONOMICS (HINDI & ENGLISH VERSIONS)	H L AHUJA	SUTAN CHAND AND COMPANY	
2	PRINCIPLES OF ECONOMICS	KARLL E. CASE AND RAY C. FAIR	MACMILLAN PRESS LONDON	
3	MICRO ECONOMICS	JHINGAN M.L.	VRINDA PUBLICATION INC	
4	Lecture note provided by Dept. of ARTS AKS University, Satna .			

Curriculum Development Team:

- 1-Mrs prachisingh, Teaching associate, Department of Arts
- 2-Mr. Gaurav Singh , Assistant Professor, Department of Arts
- 3-Mr, Rajeev Bairagi, Assistant Professor
- 3-Dr.PushpaSoni,Assistant Professor, Department of Arts
- 4-Dr. Usha Dwivedi ,Assistant Professor, Department of Arts
- 5-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts
- 6-Dr.Udaybhan Singh, Assistant Professor , Department of Arts



Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Programme provides the base to be the responsible citizen.	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	. Students will understand the concepts GNP, NNP, GDP, NDP, PCI, Disposable Income. Students will understand various aspects and features of Indian economy	Student will know about Consumer's behavior. Demand analysis, cardinal and ordinal utility. It may also provide the information to the student for elasticity of demand, price, income and cross elasticity of demand. Students will learn about the concepts of statistical methods	Students can work efficiently in the field of banking, finance, industry, farming, consumer rights, production, research and trade
CO1	3	3	2	2	1	2	1	1	3	2	3	3	2	3	3
CO2	3	3	2	2	1	2	1	1	2	2	2	3	2	3	3
CO3	3	3	2	2	1	2	1	1	3	2	2	3	3	3	3
CO4	3	3	2	2	1	2	1	1	3	3	1	3	3	3	3
CO5	3	3	2	2	1	2	1	1	2	2	2	3	3	3	3



PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO:1,2,	CO- 1.:Analyze the Relation of Department economics and methods of Curriculum of BA C 01 economics (Revised as on	of ArtsSO1:1 ComputerSO1:2 r August 2023) SO1:3 SO1:4 SO1:5	gram	Unit- 1INTRODU CTION OF ECONOMIC S1.1,1.2,1.3,1	As Mentio ned in Page no.
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Coursecarriculum map

3				.4,1.5,1.6,1.7, 1.8,1.9,1.10,1 .11,1.12,1.13, 1.14,1.15,1.1 6,1.17,1.18	_____ to _____
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3,	CO- 2: TO explane ordinal and cardinal approach ,law of demand and elasticity of demand	SO2:1 SO2:2 SO2:3 SO2:4 SO2:5		Unit-2 CONSUMER BEHAVIOUR 2.1,2.2,2.3,2.4,2.5,2.6, 2.7,2.8,2.9,2.10,2.11,2 .12,2.13,2.14,2.15,2.1 6,2.17,2.18	
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3,	CO-3: To explain law of variable proportion , concept of revenue and cost	SO3:1 SO3:2 SO3:3 SO3:4 SO3:5		Unit 3PRODUCTION 3.1,3.2,3.3,3.4,3.5,3.6 ,3.7,3.8,3.9,3.10,3.11, 3.12,3.13,3.14,3.15,3. 16,3.17,3.18	
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3,	CO-4: They will able to know about market and price determination	SO4:1 SO4:2 SO4:3 SO4:4 SO4:5		Unit-4: market and classific ation 4.1,4.2,4.3,4.4,4.4. 6,4.7,4.8, 4.9,4.10, 4.11,4.12 ,4.13,4.1 4,4.15,4. 16,4.17,4 .18	



PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3,	CO-5: They will also able to know factor pricing and concept of welfare economics	SO5:1 SO5:2 SO5:3 SO5:4 SO5:5	Unit5theory of factor pricing .1,5.2,5.3,5.4,5.5,5. 6,5.7,5.8,5.9,5.10, 5.11,5.12,5.13,5.1 4,5.15,5.16,5.17,5. 18
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AKS University

Faculty of social science and humanities

Department of Arts

Curriculum of BA English Literature

(Revised as on 4.11.223)

Semester-

Course Code: 01EN201

Course Title : Study of Drama

Pre-requisite: Study of drama is a basic understanding of literary elements and techniques, such as plot, character, setting, and theme.

Rationale: The study of drama enhances understanding of human behavior and societal issues through the exploration of diverse characters and narratives.

Course Outcomes:

01EN201.1.Critically analyze and interpret the themes of fate and free will in Sophocles' "Oedipus Rex," demonstrating an understanding of how these concepts influence the narrative and the characters' actions within the play.

01EN201.2.Analyze the themes of knowledge, power, and the supernatural in Christopher Marlowe's "Dr. Faustus," understanding how these elements reflect the historical and cultural context of the Renaissance period.

01EN201.3.Examine the historical and cultural context of "Dr. Faustus," understanding how the Renaissance period's intellectual and religious conflicts influenced the play's themes and characters.

01EN201.4.Critically analyze the themes of identity and incompleteness in Girish Karnad's "Hayavadana" within the cultural and mythological context of Indian theatre.



AKS University

Faculty of social science and humanities

Department of Arts

Curriculum of BA English Literature

(Revised as on 4.11.223)

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
CORE	AI-ELITIT	Study of Drama	4	02	0	0	6	6

Legend:

CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)					End Semester Assessment	Total Marks
			Progressive Assessment (PRA)						
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)		
							(ESA)	(PRA+ESA)	



CORE	AI/ELI/TIT	Study of Drama	15	20	5	5	5	50	50	100
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AKS University

Faculty of social science and humanities

Department of Arts

Curriculum of BA English Literature

(Revised as on 4.11.223)

Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO1. Critically analyze and interpret the themes of fate and free will in Sophocles' "Oedipus Rex," demonstrating an understanding of how these concepts influence the narrative and the characters' actions within the play.

Approximate Hours

Item	Appx Hrs.
CI	15
LI	0
SW	01
SL	01
Total	20

Session Outcomes (SOs)	(LI)	Classroom Instruction (CI)	(SL)
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<p>SO1.1.summarize the story of Sophocles' "Oedipus Rex," identifying key plot points and the structure of Greek tragedy.</p> <p>SO1.2.explore the role of fate and free will in "Oedipus Rex," and understand how these themes are intertwined within the narrative and character motivations.</p> <p>SO1.3.analyze the use of dramatic irony in "Oedipus Rex," recognizing how it</p>		<p>Unit -I: Classical Drama: 15 lecture</p> <p>1.1. Sophocles Oedipus Rex-Story</p> <p>1.2.The Role of Fate and Free Will in Oedipus Rex</p> <p>1.3.The Tragic Hero: Oedipus' Flaws and Virtues</p> <p>1.4.The Function of Dramatic Irony in Oedipus Rex</p> <p>1.5.Themes of Sight and Blindness</p> <p>1.6.The Role of Prophecy and the Oracle at Delphi</p> <p>1.7.Exploring the Concept of Catharsis in Oedipus Rex</p> <p>1.8.The Role of the Chorus in Greek Tragedy</p> <p>1.9.Gender Roles and the Position of Women</p>	
<p>contributes to the overall tragedy and audience's experience.</p>		<p>in Oedipus Rex</p> <p>1.10.Political and Social Context of Oedipus Rex</p> <p>1.11.Oedipus Rex and Psychoanalysis: The Oedipus Complex</p> <p>1.12.The Structure and Form of Greek Tragedy</p> <p>1.13.The Concept of Hubris in Oedipus Rex</p> <p>1.14.Symbolism and Motifs in Oedipus Rex</p> <p>1.15.Moral and Ethical Questions in Oedipus Rex</p>	

CO2.Analyze the themes of knowledge, power, and the supernatural in Christopher Marlowe's "Dr. Faustus," understanding how these elements reflect the historical and cultural context of the Renaissance period.

Approximate Hours

Item	Appx Hours
CI	15
LI	0
SW	01
SL	01
Total	20

<p>SessionOutcomes (SOs)</p>	<p>(LI)</p>	<p>ClassroomInstruction (CI)</p>	<p>(SL)</p>
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<p>SO2.1. Analyze the Character of Dr. Faustus: Students will critically assess whether Dr. Faustus is a tragic hero or a fool by examining his motivations, actions, and ultimate fate within the play.</p> <p>SO2.2. Evaluate the Themes of Knowledge and Power: Students will explore how the themes of knowledge and power are presented in "Dr. Faustus" and how these themes reflect the historical and cultural context of the Renaissance.</p> <p>SO2.3. Examine the Role of Prejudice and Discrimination in Shylock's Downfall: Students will investigate how societal prejudices</p>		<p>Unit-II: Renaissance Drama :18 lecture</p> <p>2.1. Christopher Marlow: Dr. Faustus</p> <p>2.2. The Historical and Cultural Context of "Dr. Faustus"</p> <p>2.3. The Character of Dr. Faustus: Tragic Hero or Fool?</p> <p>2.4. Themes of Knowledge and Power in "Dr. Faustus"</p> <p>2.5. Religious Conflict and the Reformation in "Dr. Faustus"</p> <p>2.6. The Role of Magic and the Supernatural</p> <p>2.7. The Morality Play Tradition and "Dr. Faustus"</p> <p>2.8. Faustian Bargains: Thematic Analysis and Legacy</p> <p>2.9. Language, Style, and Structure in "Dr. Faustus"</p>	
<p>and discriminatory practices contribute to Shylock's characterization and ultimate fate in "The Merchant of Venice."</p>		<p>2.10. William Shakespeare: Tragedy in the Merchant of Venice</p> <p>2.11. The Dual Nature of Shylock: Villain or Tragic Hero?</p> <p>2.12. The Role of Prejudice and Discrimination in Shylock's Downfall</p> <p>2.13. The Concept of Justice and Mercy: Legal vs. Ethical Dilemmas</p> <p>2.14. The Tragic Consequences of Bondage and Freedom</p> <p>2.15. Portia's Dual Role: Savior and Perpetuator of Tragedy</p> <p>2.16. The Tragic Flaws of Antonio: Melancholy and Self-Sacrifice</p> <p>2.17. The Merchant of Venice as a Tragicomedy: Balancing Humor and Pathos</p> <p>2.18. The Influence of Fortune and Destiny in Shaping Tragic Events</p>	

CO3. Examine the historical and cultural context of "Dr. Faustus," understanding how the Renaissance period's intellectual and religious conflicts influenced the play's themes and characters.

Approximate Hours



Item	Appx Hours
CI	15
LI	0
SW	01
SL	01
Total	20

SessionOutcomes (SOs)	(LI)	ClassroomInstruction (CI)	(SL)
<p>SO3.1.analyze how Dryden adapts Shakespeare's "Antony and Cleopatra" to suit the Restoration era's tastes and theatrical conventions.</p> <p>SO3.2.explore how the political, social, and cultural milieu of the time influenced Dryden's writing and themes, particularly regarding notions of love, power, and tragedy.</p> <p>SO3.3.conduct detailed analyses of key characters, including Antony and Cleopatra, and explore central themes such as love, tragedy, political power, responsibility, fate, and free will.</p>		<p>Unit -III: Restoration Drama :12 lecture</p> <p>3.1. John Dryden: All for Love 3.2.Historical and Cultural Context</p> <p>3.3.John Dryden's Life and Works:</p> <p>3.4.The Source Material: Shakespeare's "Antony and Cleopatra"</p> <p>3.5.The Theme of Love and Tragedy</p> <p>3.6.Character Analysis: Antony</p> <p>3.7.Character Analysis: Cleopatra</p> <p>3.8.Political Power and Responsibility</p> <p>3.9.Stylistic Elements and Literary Devices</p> <p>3.10.The Role of Fate and Free Will</p> <p>3.11.Reception and Legacy</p> <p>3.12.Comparative Analysis with Other Restoration Tragedies</p>	

CO4.Critically analyze the themes of identity and incompleteness in Girish Karnad's "Hayavadana" within the cultural and mythological context of Indian theatre.

Approximate Hours

Item	Appx Hours
CI	15
LI	0
SW	01
SL	01
Total	20



SessionOutcomes (SOs)	(LI)	ClassroomInstruction (CI)	(SL)
SO4.1.gain a detailed knowledge of Girish Karnad's contributions to Indian theatre, focusing on his play "Hayavadana," and understand		Unit -IV: Indian Drama :15 lecture 4.1.Girish Karnad : Hayavadana 4.2.Introduction to Girish Karnad and his contributions to Indian theatre	
its cultural and mythological context. SO4.2.develop the ability to critically analyze key themes in "Hayavadana," such as identity, incompleteness, duality, conflict, gender dynamics, and the interplay between modernity and tradition. SO4.3.learn to appreciate the use of folklore, traditional Indian theatre, symbolism, imagery, metatheatrical elements, and the role of the Bhagavata and narration in "Hayavadana."		4.3.The Cultural and Mythological Context of "Hayavadana" 4.4.Adaptation and Influence: Thomas Mann's "The Transposed Heads" and "Hayavadana" 4.5.Themes of Identity and Incompleteness in "Hayavadana" 4.6.Character Analysis: Padmini, Devadatta, and Kapila 4.7.The Use of Folklore and Traditional Indian Theatre in "Hayavadana" 4.8.Symbolism and Imagery in "Hayavadana" 4.9.The Role of the Bhagavata and Narration in "Hayavadana" 4.10.Duality and Conflict in "Hayavadana" 4.11.Gender Dynamics and Feminism in "Hayavadana" 4.12.The Concept of Perfection and Its Consequences 4.13.Rituals and Transformation in "Hayavadana" 4.14.Modernity vs. Tradition in "Hayavadana" 4.15.Play within a Play: Metatheatrical Elements in "Hayavadana"	

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (CI)	Sessional Work (SW)	Self Learning (SI)	Total hour (CI+SW+SI)



CO1.Critically analyze and interpret the themes of fate and free will in Sophocles' "Oedipus Rex," demonstrating an understanding of how these concepts influence the narrative and the characters' actions within the play.	15	01	01	20
CO2.Analyze the themes of knowledge, power, and the supernatural in Christopher Marlowe's "Dr. Faustus," understanding how these elements reflect the historical and cultural context of the Renaissance period.	15	01	01	20
CO3.Examine the historical and cultural context of "Dr. Faustus," understanding how the Renaissance period's intellectual and religious conflicts influenced the play's themes and characters.	15	01	01	20
CO4.Critically analyze the themes of identity and incompleteness in Girish Karnad's "Hayavadana" within the cultural and mythological context of Indian theatre.	15	01	01	20
	0	0	0	0
Total Hours	60	05	05	100

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Classical Drama	01	01	03	05
CO-2	Renaissance Drama	01	01	03	05
CO-3	Restoration Drama	-	03	10	13
CO-4	Indian Drama	-	03	10	13
Total		03	12	36	50

Legend: R:Remember, U:Understand, A:Apply

The end of semester assessment for Principles of Public Administration will be held with written examination of 50 marks



Note. Detailed Assessment rubric need to be prepared by the course wiseteachers for above tasks. Teachers can also design different tasks as per requirement, for endsemesterassessment.

SuggestedInstructional/ImplementationStrategies:

11. ImprovedLecture
12. Tutorial
13. CaseMethod
14. GroupDiscussion
15. Brainstorming

SuggestedLearningResources:

(c) Books:

Curriculum Development Team:

1-Mr. TarashankarShukla ,SSD

2-Mr, Rajeev Bairagi, Assistant Professor

3- Mrs Prachi Singh , Teaching Associate , Department of Arts

3-Dr.PushpaSoni,Assistant Professor, Department of Arts

4-Dr. Usha Dwivedi ,Assistant Professor, Department of Arts

5-Mr. Gaurav Singh, Assistant Professor, Department of Arts

6-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts

8-Dr.Udaybhan Singh, Assistant Professor , Department of Arts

CO-PO Mapping:

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
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Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate program of their choice.	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	P r o g r a m e p r o v i d e s t h e b a s e t o b e t h e r e s p o n s i b l e c i t i z e n .	E n v i r o n m e n t a n d s u s t a i n a b i l i t y	E t h i c s	I n d i v i d u a l a n d t e a m w o r k	C o m m u n i c a t i o n	P r o j e c t m a n a g e m e n t a n d f i n a n c e	L i f e l o n g l e a r n i n g	Students will develop an ability to read texts in relation to their historical and cultural contexts	Develop the skills needed to succeed in competitive examinations to enhance job opportunities in various fields related translation officers, teaching, Guide, archives, museum s.	Students will develop an appreciation of how the formal elements of Language and Genre shape meaning
CO1	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
CO2	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
CO3	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3
CO4	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3
CO5	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3



Course Curriculum Map

POs& PSOs /*-No.	Cos No.&Titles	SOsNo.	La bor ato ry Ins tru cti on(LI)	Classroom Instruction(CI)	Sel fL ear nin g(SL)
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO:1,2, 3	CO- 1: Critically analyze and interpret the themes of fate and free will in Sophocles' "Oedipus Rex," demonstrating an understanding of how these concepts influence the narrative and the characters' actions within the play	SO1:1 SO1.2 SO1.3 SO1.4 SO1.5		Unit-1. Classical Drama 1.1,1.2,1.3,1.4,1.5,1.6,1.7, 1.8,1.9,1.10,1.11,1.12,1.13,1. 14,1.15	As M en tio ne d in Pa ge no . — — to — — —
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 2: Analyze the themes of knowledge, power, and the supernatural in Christopher Marlowe's "Dr. Faustus," understanding how these elements reflect the historical and cultural context of the Renaissance period	SO2:1 SO2.2 SO2.3 SO2.4 SO2.5		Unit-2 Renaissance Drama .1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2. .9,2.10,2.11,2.12,2.13,2.14,2. 15	— — — —
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 3: Examine the historical and cultural context of "Dr. Faustus," understanding how the Renaissance period's intellectual and religious conflicts influenced the play's themes and characters.	SO3:1 SO3.2 SO3.3 SO3.4 SO3.5		Unit-3: Restoration Drama 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8, 3.9,3.10,3.11,3.12	



PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 4: Critically analyze the themes of identity and incompleteness in Girish Karnad's "Hayavadana" within the cultural and mythological context of Indian theatre.	SO4:1 SO4.2 SO4.3 SO4.4 SO4.5	Unit-4: Indian Drama 4.1,4.2,4.3,4.4,4.5,4.6,4.7, 4.8,4.9,4.10,4.11, 4.12,4.13,4.14,4.15
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AKS University
Faculty of Social Science and Humanities Department
of Arts
Curriculum of B.A (Sociology) Program
(Revised as on 1.8.2023)

Semester-II

Course Code: 01SO201

Course Title : Basic Concepts of Sociology

Pre-requisite: Student should have basic knowledge of Basic Concepts of Sociology

Rationale: The Course will provide students with a solid grounding in the fundamentals of the sociology discipline To understand the basic concepts in sociology and their fundamental theoretical interrelations Students will be able to define the relevance of the concepts like, culture, social

structure, institutions, race/ethnicity, gender and class.

Course Outcomes:

CO.1: The Course will provide students with a solid grounding in the fundamentals of the sociology discipline



CO.2: - One of the important components of Indian society is the Tribal Society. Students get to know about the concept, classification, culture, beliefs, religion, customs, institutions as well as social problems, changes and mobility prevalent among the aboriginals and the schemes of tribal development.

CO.3: Learn the concepts of Indian Social Institutions, such as family, marriage, kinship etc, which will enable students to consider their roles in solving many social problems, have a conceptual understanding of society, social groups, social structure, social institutions etc, which will help them in their day to day lives

CO.4: The course is designed to incorporate all the key concepts of Sociology which would enable the learner to develop keen insight to distinguish between the commonsense knowledge and Sociological knowledge

CO.5: Teaching of culture, socialization and civilization will emphasise not only the new agencies of socialization but also their significance in personality development.

Scheme of Studies:

Course Credits	Course Code	Course Title	Scheme of studies (Hours/Week)				Total Study Hours (CI+LI+SW+SL)	Total Credits (C)
			CI	LI	SW	SL		
	01SO201	Basic Concepts of Sociology	6	0	02	01	6	6

Legend: CI: Class room Instruction (Includes different instructional strategies. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (include assignment, seminar, mini project etc.), **SL:** Self Learning,

C: Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Course	Course Code	Course Title	Scheme of Assessment (Marks)



Credits			Progressive Assessment (PRA)						End Semester Assessment	Total Marks
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CA T)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)		
	01S O201	Basic Concepts of Sociology	15	20	5	5	5	50	50	100

Course-Curriculum Detailing:

This course curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO.1: The Course will provide students with a solid grounding in the fundamentals of the sociology discipline

Approximate Hours

Item	Appx Hrs.
CI	18
LI	0
SW	02
SL	01
Total	21

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO1.1 Understand the Concept and nature Sociology ,Meaning, Scope, Subject Matter , Importance</p> <p>SO1.2 Understand the Concept of Origin and Development of Sociology</p> <p>SO1.3 Understand the concept Humanistic Orientation in Sociology</p> <p>SO1.4 Understand the concept Relationship with other Social Sciences</p> <p>SO1.5 Understand the concept Sociology and Professions</p>	<p>Unit 1</p> <p>1. Emergence of Sociology :</p> <p>1.1 Tradition of Indian Thinking</p> <p>1.2 Sociology,</p> <p>1.3 Meaning,</p> <p>1.4 Scope,</p> <p>1.5 Subject Matter</p> <p>1.6 Importance,</p> <p>1.7 Origin and</p> <p>1.8 Development of Sociology (Including Special Reference to Madhya Pradesh)</p> <p>1.9 Sociology as a Science</p> <p>1.10 Humanistic Orientation in Sociology</p> <p>1.11 Relationship with other Social Sciences</p> <p>1.12 Sociology and Professions</p> <p>1.13 Intellectual Roots and Enlightenment Influence</p> <p>1.14 Industrial Revolution and Social Change</p> <p>1.15 Auguste Comte and Positivism</p> <p>1.16 Development of Social Theories</p> <p>1.17 Urbanization and Social Problems</p>
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CO.2: - One of the important components of Indian society is the Tribal Society. Students get to know about the concept, classification, culture, beliefs, religion, customs, institutions as well as social problems, changes and mobility prevalent among the aboriginals and the schemes of tribal development.

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	02
SL	01
Total	21

S e s s i o n O u t c o m e s (S O	(L D)	C l a s s r o o m I n s t r u c t i o	(S L)
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s)	n (C I)
<p>SO2.1 Concept of Society</p> <p>SO2.2 Understanding about the Relation between Individual and Society</p> <p>SO2.3 Understanding about the Community</p> <p>SO2.4 Understanding the concept Social Group</p> <p>SO2.5 Understanding about the Social Structure and Function</p>	<p>Unit 2</p> <p>1 Basic Concepts :</p> <p>2.1 Society</p> <p>2.2 Relation between Individual and Society</p> <p>2.3 Community,</p> <p>2.4 Meaning,</p> <p>2.5 Scope,</p> <p>2.6 Subject Matter</p> <p>2.7 Importance,</p> <p>2.8 Origin</p>
	<p>2.9 Development of Sociology</p> <p>2.10 Ssociation</p> <p>2.11 Institution</p> <p>2.12 Social Grop</p> <p>2.13 Meaning,</p> <p>2.14 cope,</p> <p>2.15 Importance</p> <p>2.16 Origin and</p> <p>Development of Sociology</p> <p>2.17 Social Structure and Function</p> <p>2.18 Status and Role</p>



CO.3: Learn the concepts of Indian Social Institutions, such as family, marriage, kinship etc, which will enable students to consider their roles in solving many social problems, have a conceptual understanding of society, social groups, social structure, social institutions etc, which will help them in their day to day lives

Approximate Hours

Item	Appx Hours
Cl	18
LI	0

S e s s i o n O u t c o m e s (S O s)	(L I)	C l a s s r o o m I n s t r u c t i o n (C I)	(S L)
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SW	02
SL	02
Total	21



<p>SO3.1 Meaning and concept of Social Organization SO3.2 Practical problem related Social System SO3.3 Understanding the Social Family Kinship Marriage SO3.4 Understanding about Caste, Class and Power SO3.5 Understanding about Education</p>		<p>Unit 3 Social Organization and Institutions: 3.1 Concept, Emergence, Development, Forms and Challenges) 3.2 Social Organization 3.3 Social System, Meaning, 3.4 Scope 3.5 Importance, 3.6 Origin , 3.7 Development 3.8 Family 3.9 Kinship 3.10 Marriage 3.11 Caste, 3.12 Class and Power 3.13 Education 3.14 Family Structure and Kinship Systems 3.15 Educational Institutions and Socialization 3.16 Religious Organizations and Belief Systems 3.17 Political Systems and Governance 3.18 Economic Institutions and Market Structures</p>	
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CO.4: The course is designed to incorporate all the key concepts of Sociology which would enable the learner to develop keen insight to distinguish between the commonsense knowledge and Sociological knowledge

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	02
SL	01
Total	21

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO4.1 Understanding about Culture , Meaning, Characteristics,Type,, Components of Culture, Cultural lag</p> <p>SO4.2 Preparation of Indian Culture and Civilization, Socialization</p> <p>SO4.3 Knowledge about the Meaning,Characteristics,,Stages,Agencies,Types</p> <p>SO4.4 Knowledge about the Importance,Social Processes,Cooperation</p> <p>SO4.5 Knowledge about Accommodation,,Competition,,Conflict</p>		<p>Unit 4</p> <p>Socio-Cultural Processes :</p> <p>4.1 Culture, Meaning, Characteristics, Types</p> <p>4.2 Components of Culture,</p> <p>4.3 Cultural lag</p> <p>4.4 Culture and Civilization</p> <p>4.5 Socialization, Meaning</p> <p>4.6 Characteristics</p> <p>4.7 Stages,</p> <p>4.8 Agencies,</p> <p>4.9 Type,</p> <p>4.10 Importance</p> <p>4.11 Social Processes</p> <p>4.12 Cooperation</p> <p>4.13 Accommodation</p> <p>4.14 Competition,</p> <p>4.15 Conflict</p> <p>4.16 Socialization and Cultural Transmission</p> <p>4.17 Acculturation and Assimilation</p> <p>4.18 Social Stratification and Mobility</p>	
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CO.5: Teaching of culture, socialization and civilization will emphasise not only the new agencies of socialization but also their significance in personality development.

Item	Appx Hours
CI	18
LI	0
SW	02
SL	01
Total	21

S e s s i o n O u t c o m e s (S O	(L I)	Cl a s s r o o m I n s t r u c t i o n (C I)	(S L)
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<p style="text-align: center;">s)</p>		
<p>SO5.1 Understand about the Social Control, Meaning,, Characteristics,,Types</p> <p>SO5.2 Preparation of necessary Means of Social Control,Social Stratification,Meaning, Characteristics,Bases,Forms</p> <p>SO5.3 Preparation of necessary Social Mobility,Meaning,, Characteristics, Types</p> <p>SO5.4 Understanding about the Social change, Meaning, Characteristics, Factors of social change, Patterns of social change</p>	<p>Unit 5</p> <p>Social Control and Change :</p> <p>5.1 Social Control, Meaning,</p> <p>5.2 Characteristics,</p> <p>5.3 Types</p> <p>5.4 Means of Social Control</p> <p>5.5 Social Stratification,</p> <p>5.6 Meanin,</p> <p>5.7 Characteristics,</p> <p>5.8 Bases, Forms</p> <p>5.9 Social</p> <p>5.10 Mobility,</p> <p>5.11 Meaning,</p> <p>5.12 Characteristics,</p>	
	<p>5.13 Types</p> <p>5.14 Social change,</p> <p>5.15 Meaning,</p> <p>5.16 Characteristics</p> <p>5.17 Factors of social change</p> <p>5.18 Pat terns of</p>	



		social change	
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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+Sl)
CO.1: The Course will provide students with a solid grounding in the fundamentals of the sociology discipline	18	02	01	21
CO.2: - One of the important components of Indian society is the Tribal Society. Students get to know about the concept, classification, culture, beliefs, religion, customs, institutions as well as social problems, changes and mobility prevalent among the aboriginals and the schemes of tribal development.	18	02	01	21
CO.3: Learn the concepts of Indian Social Institutions, such as family, marriage, kinship etc, which will enable students to consider their roles in solving many social problems, have a conceptual understanding of society, social groups, social structure, social institutions etc, which will help them in their day to day lives	18	02	01	21
CO.4: The course is designed to incorporate all the key concepts of Sociology which would enable the learner to develop keen insight to distinguish between the commonsense knowledge and	18	02	01	21
CO.5: Teaching of culture, socialization and civilization will emphasise not only the new agencies of socialization but also their significance in personality development.	18	02	01	21
Total Hours	90	10	05	105

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Emergence of Sociology	01	01	03	05
CO-2	Basic Concepts	01	01	03	05
CO-3	Social Organization and Institutions	-	03	10	13
CO-4	Socio-Cultural Processes	-	03	10	13



CO-5	Social Control and Change	01	03	10	14
Total		03	12	36	50

Legend: **R: Remember,** **U: Understand,** **A: Apply**

The end of semester assessment for Basic Concepts of Sociology will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wiseteachers for above tasks. Teachers can also design different tasks as per requirement, for endsemesterassessment.

Suggested Instructional/Implementation Strategies:

16. Improved Lecture
17. Tutorial
18. Case Method
19. Group Discussion
20. Brainstorming **Suggested Learning Resources:**

(d) Books:

S. No.	Title	Author	Publisher	Edition&Year
1	Society and culture in India	Indre Drva	Rawat Publication	Revised edition edition 2018
2	Society: An Introductory Analysis,	Maclver, Robert M & Charles Hunt	New York	Revised edition edition 1949
3	Caste Class & Power	Beteille Andre	California University, Berkeley.	Revised edition edition 1965
4	Dr. Pushpa Soni Dept. of Arts AKS University, Satna.			

Curriculum Development Team:

8. Dr. Pushpa Soni, Assistant Professor, Department of Arts
9. Mrs. prachi singh, Teaching associate, Department of Arts
10. Mr. Gaurav Singh , Assistant Professor, Department of Arts
11. Mr. Rajeev Bairagi, Assistant Professor, Department of Arts
12. Dr. Usha Dwivedi , Assistant Professor, Department of Arts
13. Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts
14. Dr. Udaybhan Singh, Assistant Professor , Department of Arts



CO-PO Mapping:

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO1	PSO 2	PSO3
Prog ram Outc omes	The students acquire knowledge in the field of social sciences, literature and humanities which The B.A. graduates will be acquainted with the social, economical, historical, The program also empowers the graduates to appear for various competitive The B.A. program enables the students to acquire the knowledge with The students will be ignited enough to think and act over for the solution of various issues Programme provides the base to be the responsible citizen.														
CO1	3	3	3	2	2	2	1	2	3	3	3	3	3	3	3
CO2	3	3	3	2	2	2	1	2	2	2	2	3	2	2	2
CO3	3	3	2	2	1	2	1	1	2	2	2	2	3	3	3
CO4	3	3	2	2	2	2	1	2	1	2	1	2	3	3	3
CO5	3	3	2	2	1	2	1	1	2	2	2	3	3	3	3

Course Curriculum Map

POs & PS Os -No.	COs No. & Titles	Sos No.	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning SL
PO: 1,2,3,4,5, 6,7,8,9,10 ,11,12 PSO:1,2,3	CO.1: The Course will provide students with a solid grounding in the fundamentals of the sociology discipline	SO1:1 SO1:2 SO1:3 SO1:4 SO1:5		Unit-1 Emergence of Sociology 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18	As Mentioned in Page no. _____ to _____
PO: 1,2,3,4,5 ,6,7,8,9, 10,11,12 PSO: 1,2,3	CO.2: - One of the important components of Indian society is the Tribal Society. Students get to know about the concept, classification, culture, beliefs, religion, customs, institutions as well as social problems, changes and mobility prevalent among the aboriginals and the schemes of tribal development.	SO2:1 SO2:2 SO2:3 SO2:4 SO2:5		Unit-2 Basic Concepts 2.1,2.2,2.3,2.4,2.5,2.6, 2.7,2.8,2.9,2.10,2.11,2.12,2.13,2.14,2.15,2.16, 2.17,2.18	



<p>PO: 1,2,3,4,5 ,6,7,8,9, 10,11,12 PSO: 1,2,3</p>	<p>CO.3: Learn the concepts of Indian Social Institutions, such as family, marriage, kinship etc, which will enable students to consider their roles in solving many social problems, have a conceptual understanding of society, social groups, social structure, social institutions etc, which will help them in their day to day lives</p>	<p>SO3:1 SO3:2 SO3:3 SO3:4 SO3:5</p>	<p>Unit-3: Social Organization and Institutions 3.1,3.2,3.3,3.4,3.5,3.6, 3.7,3.8,3.9,3.10,3.11,3. 12,3.13,3.14,3.15,3.16, 3.17,3.18</p>
<p>PO: 1,2,3,4,5 ,6,7,8,9, 10,11,12 PSO: 1,2,3</p>	<p>CO.4: The course is designed to incorporate all the key concepts of Sociology which would enable the learner to develop keen insight to distinguish between the commonsense knowledge and Sociological knowledge</p>	<p>SO4:1 SO4:2 SO4:3 SO4:4 SO4:5</p>	<p>Unit-4: Socio-Cultural Processes 4.1,4.2,4.3,4.4,4.5,4 .6,4.7,4.8,4.9,4.10,4 .11,4.12,4.13,4.14,4 .15,4.16,4.17,4.18</p>
<p>PO: 1,2,3,4,5 ,6,7,8,9, 10,11,12 PSO: 1,2,3</p>	<p>CO.5: Teaching of culture, socialization and civilization will emphasise not only the new agencies of socialization but also their significance in personality development.</p>	<p>SO5:1 SO5:2 SO5:3 SO5:4 SO5:5</p>	<p>Unit5: Social Control and Change 5.1,5.2,5.3,5.4,5.5,5.6, 5.7,5.8,5.9,5.10,5.11,5. 12,5.13,5.14,5.15,5.16, 5.17,5.18</p>



AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of BA Political Science
(Revised as on 01.08.2023)

Semester-2nd

Course Code: 01PO201

Course Title : Political Theory

Pre- requisite: To study this course , a student must have passed 12th class

Rationale: It is about Political Theory,

Student will be able to understand meaning and significance of Political theory, different ideologies and approaches. They will be able to explain concept of state and its changing nature. They will learn what is power and authority and how they are interwoven. These two concepts will further enhance their understanding of politics. They will be able to learn different dimensions of sovereignty and its relation with state. They will be able to explain liberty, equality, justice and rights. Understanding of these key political concepts will facilitate students in real political world. They will be able to explain different models of democracy and theories of representation.

Course Outcomes:

CO1. Student will be able to understand meaning and significance of Political theory, different ideologies and approaches.

CO 2. They will be able to explain concept of state and its changing nature.

CO 3. They will learn what is power and authority and how they are interwoven. These two concepts will further enhance their understanding of politics. They will be able to learn different dimensions of sovereignty and its relation with state.

CO 4. They will be able to explain liberty, equality, justice and rights. Understanding of these key political concepts will facilitate students in real political world.

CO 5. They will be able to explain different models of democracy and theories of representation.



Faculty of Social Science and Humanities

Department of Arts

Curriculum of BA Political Science

(Revised as on 01.08.2023)

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
Program Core	01PO201	Political Theory	6	0	0	0	6	6

- Legend:**
- CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),
 - LI:** Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)
 - SW:** Sessional Work (includes assignment, seminar, mini project etc.),
 - SL:** Self Learning, **C:**Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment	Total Marks
			Progressive Assessment (PRA)					Total Marks			
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CA T)	Class Attendance (AT)		Total Marks (CA+CT+SA+CAT+AT)		(PRA+ESA)



Program core	01PO 201	Political Theory	15	20	5	5	5	50	50	100
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AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of BA Political Science
(Revised as on 01.08.2023)

Course-Curriculum Detailing:

This course Curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO1: Student will be able to understand meaning and significance of Political theory, different ideologies and approaches.

Approximate Hours

Item	Appx Hrs.
CI	18
LI	0
SW	0
SL	0
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO1.1 Understand the meaning and nature of . Political Theory. SO1.2 We will understand the Approaches to study of Politics.</p> <p>SO1.3 Understand the difference between Political Science, Political Philosophy, Political Theory.</p> <p>SO1.4 Will understand Political Thought and Politics.</p> <p>SO1.5 Will understand the Introducing Ideologies.</p>		<p>Unit-1.0 : Understanding Political Theory</p> <p>1.1. Political Theory 1.2. Political Theory: Meaning 1.3. Political Theory: Significance 1.4. Approaches to study of Politics 1.5. traditional approach 1.6. Historical approach 1.7. Institutional approach 1.8. comparative approach 1.9. modern approaches include 1.10. sociological approach, 1.11. economic approach, 1.12. psychological approach, 1.13. quantitative approach, 1.14. simulation approach, 1.15. system approach, 1.16. behavioural approach, 1.17. Marxian approach 1.18. Different terms- Political Science, Political Philosophy, Political Theory, Political Thought and Politics Introducing Ideologies</p>	
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CO 2: They will be able to explain concept of state and its changing nature.

Approximate Hours

Item	Appx Hours
CI	15
LI	0
SW	0
SL	0
Total	15

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
<p>SO2.1 Will know the meaning, definition of State,</p> <p>SO2.2 Will understand the Elements of state .</p>	.	<p>Unit 2.0, Concept of State</p> <p>2.1. Defining State, 2.2.Elements of state 2.3.Population 2.4.Territory</p>	



<p>SO2.3 Will know about Theories of Origin of State.</p> <p>SO2.4 You will gain knowledge of the Changing nature of state..</p> <p>SO2.5 Will gain knowledge of Political Science.</p>		<p>2.5.Sovereignty 2.6.Government 2.7.Theories of Origin of State 2.8.Divine Right Theory 2.9.Social Contract Theory 2.10.Force Theory 2.11.Evolutionary Theory 2.12.Marxist Theory 2.13.Historical School Theory 2.14.Psychological Theory 2.15.Geographical Theory</p>	
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CO3: They will learn what is power and authority and how they are interwoven. These two concepts will further enhance their understanding of politics. They will be able to learn different dimensions of sovereignty and its relation with state.

Approximate Hours

Item	Appx Hours
CI	15
LI	0
SW	0
SL	0
Total	15

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
<p>SO3.1 Understanding power and its definition and Theories of power.</p> <p>SO3.2 will also understand Meaning of Authority and its definition theories of Authority.</p> <p>SO3.2 Will gain knowledge of Meaning of Sovereignty and its definition theories of Sovereignty.</p>	.	<p>Unit-3: Power. Authority and Sovereignty 3.1 Meaning of power 3.2 its definition . 3.3 Theories of power 3.4 Pluralist Theory 3.5 Elitist Theory 3.6 Marxist Theory 3.7 Foucault's Theory 3.8 Meaning of Authority 3.9 its definition 3.10 Theories of Authority 3.11 Traditional Authority 3.12 Charismatic Authority 3.13 Legal-Rational Authority 3.14 Meaning of Sovereignty 3.15 its definition</p>	



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CO4: They will be able to explain liberty, equality, justice and rights. Understanding of these key political concepts will facilitate students in real political world.

Approximate Hours

Item	Appx Hours
CI	24
LI	0
SW	0
SL	0
Total	24

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
<p>SO4.1 Understanding freedom.</p> <p>SO4.2 Understanding the Equality,</p> <p>SO4.3 Understand the justice.</p> <p>SO4.4 Will understand rights.</p>	.	<p>Unit-4 : Core Political Concepts</p> <p>4.1 Meaning of Freedom</p> <p>4.2 definition of Freedom</p> <p>4.3 Individual Liberty</p> <p>4.4 Freedom of Speech</p> <p>4.5 Freedom of Religion</p> <p>4.6 Freedom of Assembly</p> <p>4.7 Meaning of Equality</p> <p>4.8 definition of Equality</p> <p>4.9 Legal Equality</p> <p>4.10 Economic Equality</p> <p>4.11 Social Equality</p> <p>4.12 Political Equality</p> <p>4.13 Justice Meaning</p> <p>4.14 Justice definition</p> <p>4.15 Distributive Justice</p> <p>4.16 Procedural Justice</p> <p>4.17 Retributive Justice</p> <p>4.18 Restorative Justice</p> <p>4.19 Meaning of Rights</p> <p>4.20 Definition of Meaning</p> <p>4.21 Human Rights</p> <p>4.22 Civil Rights</p>	



		4.23 Political Rights 4.24 Economic and Social Rights	
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CO5: They will be able to explain different models of democracy and theories of representation.

Item	Appx Hours
CI	18
LI	0
SW	0
SL	0
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
<p>SO5.1 Will know about modern approach.</p> <p>SO5.2 Will understand the behaviorist approach.</p> <p>SO5.3 Will know about the system approach.</p> <p>SO5.4 Ecological Approach' will understand the interpretation of the rings approach,</p>		<p>Unit 5:: The Idea of Democracy</p> <p>5.1. Rise of democracy</p> <p>5.2. Meaning of democracy</p> <p>5.3. development of democracy</p> <p>5.4. Definition of democracy</p> <p>5.5. goals of democracy</p> <p>5.6. virtues of liberal democracy</p> <p>5.7. Necessary conditions for the success of democracy</p> <p>5.8. pluralistic theory of democracy</p> <p>5.9. Features of pluralistic democracy</p> <p>5.10. Classical Democracy</p> <p>5.11. Deliberative Democracy</p> <p>5.12. Representative Democracy</p> <p>5.13. Pluralist Democracy</p> <p>5.14. Elite Democracy</p> <p>5.15. Radical Democracy</p> <p>5.16. Direct Democracy</p> <p>5.17. Consensus Democracy</p> <p>5.18. Social Democracy</p>	

Brief of Hours suggested for the Course Outcome



Course Outcomes	Class Lecture (CI)	Sessional Work (SW)	Self Learning (SI)	Total hour (CI+SW+SI)
CO 1: Student will be able to understand meaning and significance of Political theory, different ideologies and approaches.	18	0	0	18
CO 2: They will be able to explain concept of state and its changing nature.	15	0	0	15
CO 3: They will learn what is power and authority and how they are interwoven. These two concepts will further enhance their understanding of politics.	15	0	0	15
CO 4: They will be able to explain liberty, equality, justice and rights. Understanding of these key political concepts will facilitate students in real political world.	24	0	0	24
CO 5: They will be able to explain different models of democracy and theories of representation.	18	0	0	18
Total Hours	90	00	00	90

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)\

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Understanding Political Theory	01	01	03	05
CO-2	Concept of State	01	01	03	05
CO-3	Power. Authority and Sovereignty	-	03	10	13
CO-4	Core Political Concepts	-	03	10	13
CO-5	The Idea of Democracy	01	03	10	14
Total		03	12	36	50

Legend: R: Remember, U: Understand, A: Apply



The end of semester assessment for Political Theory will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

21. Improved Lecture
 22. Tutorial
 23. Case Method
 24. Group Discussion
 25. Brainstorming
- Suggested Learning Resources:**

(e) Books :

S. No.	Title	Author	Publisher	Edition & Year
1	Political science	Dr. j c johary	SBPD PUBLICATION	2021-2022
2	□□ □□□□□□, □□□□□□, □□□□□□,	'□□□□□□□□□□□□□□□□ □□ □□□□□□□□', ,	□□□□□□ □□□□□□ □□□□□□ □□□□□□	2019.
3.	<p>Curriculum Development Team:</p> <p>1-Mr. Gaurav Singh , Assistant Professor, Department of Arts 2-Mr, Rajeev Bairagi, Assistant Professor 3- Mrs Prachi Singh , Teaching Associate , Department of Arts 3-Dr.Pushpa Soni,Assistant Professor, Department of Arts 4-Dr. Usha Dwivedi ,Assistant Professor, Department of Arts 5-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts 6-Dr.Udaybhan Singh, Assistant Professor , Department of Art</p>			

CO-PO Mapping:

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
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Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Programme provides the base to be the responsible citizen.	Environment and sustainability	Ethics	Individual and teamwork	Communication	Project management and finance	Lifelong learning	Students will understand the need for a constitution and explain the role of constitution in a democratic society.	Students will be able to explain the Governmental mechanism from Gram panchayat to Parliament and can suggest solutions over various issues in its functioning and implementation.	Students will use various political concepts and ideology to analyze new situations.
CO1	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
CO2	3	3	2	2	2	2	1	2	1	2	1	3	2	3	2
CO3	3	3	1	3	1	2	2	1	1	1	1	3	3	3	3
CO4	3	2	2	2	1	3	1	1	2	1	3	2	2	2	2



CO5	2	3	2	2	1	2	1	1	1	1	1	3	3	3	3
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Course Curriculum Map

POs& PSOs /*-No.	COsNo.&Titles	SOsNo .	Laboratory Instruction(LI)	Classroom Instruction(CI)	SelfLearning(SL)
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO:1,2, 3	CO- 1: Student will be able to understand meaning and significance of Political theory, different ideologies and approaches.	SO1:1 SO1.2 SO1.3 SO1.4 SO1.5		Unit-1.0 Understanding Political Theory 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18	As Mentioned in Page no. _____ to _____



<p>PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12</p> <p>PSO: 1,2,3</p>	<p>CO- 2: They will be able to explain concept of state and its changing nature.</p>	<p>SO2:1 SO2.2 SO2.3 SO2.4 SO2.5</p>		<p>Unit-2 Concept of State 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,2.12,2.13,2.14,2.15</p>
<p>PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12</p> <p>PSO: 1,2,3</p>	<p>CO- 3: They will learn what is power and authority and how they are interwoven. These two concepts will further enhance their understanding of politics.</p>	<p>SO3:1 SO3.2 SO3.3</p>		<p>Unit-3: Power. Authority and Sovereignty 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,3.12,3.13,3.14,3.15</p>
<p>PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12</p> <p>PSO: 1,2,3</p>	<p>CO- 4: They will be able to explain liberty, equality, justice and rights. Understanding of these key political concepts will facilitate students in real political world.</p>	<p>SO4:1 SO4.2 SO4.3 SO4.4</p>		<p>Unit-4: Core Political Concepts 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13,4.14,4.15,4.16,4.17,4.18,4.18,4.19,4.20,4.21, 4.22, 4.23, 4.24</p>
<p>PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12</p> <p>PSO: 1,2,3</p>	<p>CO- 5: They will be able to explain different models of democracy and theories of representation.</p>	<p>SO5:1 SO5.2 SO5.3 SO5.4</p>		<p>Unit5: The Idea of Democracy 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11,5.12,5.13,5.14,5.15,5.16,5.17,5.18,</p>



(Revised as on 01.08.2023)

Semester-III

Course Code: 0SE301

Course Title : Digital Marketing

Pre-requisite: Student should have basic knowledge of Digital Marketing technique, search engine optimization, search engine marketing. Student should aware of how to use internet and e-commerce.

Rationale: The subject of Digital marketing allows you to reach your target audience online, in a variety of ways, on a variety of platforms. Digital marketing includes methods like social media marketing, content marketing, SEO, PPC, web design, and more.

It includes strategies that allow you to target your exact audience online — allowing you to make more sales, drive more traffic to your website, and increase your revenue year over year.

Configuration and customization is key to achieving desired outcomes.

Course Outcomes:

CO .1: Acquire the knowledge of the fundamentals and features of digital marketing technique.

CO .2: Acquire the basic and advances knowledge of search engine optimization.

CO .3: Acquire the basic and advances knowledge of search engine marketing.

CO .4: Acquire the basic and advances knowledge of social media marketing. **CO**

.5: Acquire the basic and advances knowledge of website traffic analysis.

Scheme of Studies:

Course Category	Course Code	Course Title	Scheme of studies(Hours/Week)				Total Credits (C)	
			CI	LI	SW	SL	Total Study Hours(CI+LI+S W+SL)	
	0SE301	Digital Marketing	3	1	1	0	5	4

Legend: CI: Classroom Instruction (Includes different instructional strategies i.e.



Lecture(L)and Tutorial (T)and others).

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work(includes assignment, seminar, mini project etc.),

SL:Self Learning, **C:**Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Course Category	Course Code	Course Title	Scheme of Assessment (Marks)							
			Progressive Assessment (PRA)						End Semester Assessment	Total Marks
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CA T)	Class Attendance (AT)	Total Marks (CA+CT+SA+CA T+AT)		
		Digital marketing	15	20	5	5	5	50	50	100

Course-Curriculum Detailing:

This course Curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO .1: Acquire the knowledge of the fundamentals and features of digital marketing technique.

Approximate Hours

Item	Appx Hrs.
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CI	12
LI	2
SW	1
SL	0
Total	15

Session Outcomes (SOs)	(LI)	Classroom Instruction (CI)	(SL)
SO1.1 Introduction to digital marketing SO1.2 Understanding E-Commerce SO1.3 Navigating the electronic bussiness Environment SO1.4 Understanding the Blog, WEBSITE. SO1.5 Understanding the Visibility,visitor engagement.		Unit-1.0 introduction to Digital Marketing 1.1. Meaning of Digital marketing. 1.2. Differences from Traditional marketing . 1.3.Return of investment on Digital marketing vs Traditional marketing 1.4.E commerce 1.5.Tools used for successful marketing 1.6.SWOT Analysis of business for Digital Marketing, 1.7.Meaning of Blogs 1.8. Websites, Portal and their Differences . 1.9.Visibility, Visitor, Engagement. 1.10.Conversions process. 1.11.Retention. 1.12.performance Evaluation	

CO .2: Acquire the basic and advances knowledge of search engine optization.

Approximate Hours

Item	AppxHours
CI	12
LI	2
SW	1
SL	0
Total	15

SessionOutcomes (SOs)	(LI)	ClassroomInstruction (CI)	(SL)
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<p>SO2.1Introduction to SEARCH Engine optimization.</p> <p>SO2.2understanding on page optimization technique</p> <p>SO2.3.understanding social media optimization</p> <p>SO2.4 understanding social media marketing</p> <p>SO2.5 understanding social media analytical tool</p>	<p>.</p>	<p>Unit 2.Search engine optimization</p> <p>2.1 UnderstandSearch Engine Optimization .</p> <p>2.2.Learn On page optimization techniques.</p> <p>2.3. Explore off page optimization techniques</p> <p>2. 4.preparing reports, creating search Campaigns, creating display campaigns</p> <p>2.5. LearnSocial Media Optimization (SMO).</p> <p>2.6. Introduction to Social Media Marketing ,Advanced Facebook Marketing 2.7.Word press Blog creation.</p> <p>2.8.Twitter Marketing.</p> <p>2.9.Linkedin Marketing.</p> <p>2.10.InstagramMarketing.</p> <p>2.11.social media Analytical tools.</p> <p>2.12.social media and communication.</p>	
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CO .3: Acquire the basic and advances knowledge of search engine marketing.

Approximate Hours

Item	AppxHours
CI	10
LI	4
SW	1
SL	0
Total	15

<p>Session Outcomes (SOs)</p>	<p>(LI)</p>	<p>Classroom Instruction (CI)</p>	<p>(SL)</p>
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<p>SO3.1Introduction to search engine marketing</p> <p>SO3.2Understanding use of search engine marketing</p> <p>SO3.3 understanding ppc,display advertising technique</p> <p>SO3.4Report Generation and website traffic development</p>	<p>.</p>	<p>Unit-3 : search engine marketing</p> <p>3.1. Search Engine Marketing.</p> <p>3.2..Meaning and use of search engine marketing</p> <p>3.3.tools used – pay per click, googleadwords.</p> <p>3.4.display advertising techniques report generation.</p> <p>.</p> <p>3.5.Website traffic analysis, Affiliate Marketing and Ad designing:</p> <p>.</p> <p>3.6.Google Analytics, Online reputation management</p> <p>3.7. Email marketing, affiliate marketing.</p> <p>3.8.understandingAdwords Algorithm. 3.9.Advertisement Designing</p> <p>3.10.social media.</p>	
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CO .4: Acquire the basic and advances knowledge of social media marketing.

Approximate Hours

Item	AppxHours
CI	00
LI	15
SW	0
SL	0
Total	15

<p>Session Outcomes (SOs)</p>	<p>(LI) lab instruction</p>	<p>(CI)</p>
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<p>SO4.1Introduction to digital marketing</p>	<p>4.1. Searching web for digital marketing</p>	
	<p>4.2. Design SEO to improve page rank of our college.</p>	
	<p>4.3. Monitor traffic of website.</p>	
	<p>4.4. Using Google analytics</p>	
<p>SO4.2Introduction to search engine marketing</p>	<p>4.5. Using search engine submission improves online recognition and visibility of web site.</p>	
	<p>4.6.Design a website 4.7 Design a blog.</p>	
<p>SO4.3Understanding use of search engine marketing</p>	<p>4.8. Use of cross linking.</p>	
	<p>4.9.Keyword searching</p>	
	<p>4.10. On page optimization of website</p>	
	<p>4.11. Off page optimization of website</p>	
	<p>4.12. Design back link and outbound link of website.</p>	
	<p>4.13. Web development, audio, video production.</p>	
	<p>4.14. Digital content creation</p>	
	<p>4.15.Product & sales review analysis</p>	

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	lab instruction(LI)	Total hour (Cl+SW+LI)
<p>AC101.1: Acquire the knowledge of the fundamentals and features of digital marketing technique.</p>	8	1	1	10
<p>CO.2: Acquire the basic and advances knowledge of search engine optization.</p>	8	1	4	13
<p>CO.3:Acquire the basic and advances knowledge of search engine marketing.</p>	8	1	2	11
<p>CO.4:.Acquire the basic and advances knowledge of social media marketing.</p>	8	1	4	13
<p>CO.5: Acquire the basic and advances knowledge of website traffic analysis.</p>	8	1	4	13
<p>Total Hours</p>	40	5	15	60

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)



CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Acquire the knowledge of the fundamentals and features of digital marketing technique.	01	03	05	09
CO-2	Acquire the basic and advances knowledge of search engine optimization.	01	03	05	09
CO-3	Acquire the basic and advances knowledge of search engine marketing.	01	03	05	09
CO-4	Acquire the basic and advances knowledge of social media marketing.	01	03	10	14
CO-5	Acquire the basic and advances knowledge of website traffic analysis.	01	03	05	09
Total		05	15	30	50

Legend: R:Remember, U:Understand, A:Apply

The end of semester assessment for Financial Accounting will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

26. Improved Lecture
 27. Tutorial
 28. Case Method
 29. Group Discussion
 30. Brainstorming
- Suggested Learning Resources:**

(f) Books:

S. No.	Title	Author	Publisher	Edition & Year
1	Digital Marketing	Ahuja Vandana	Oxford university press.	2016
2	Digital Marketing: cases from india	Saini Romi, Nargundkar Rajen	Notion press	2018
		dra		



CO-PO-PSO Mapping

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Program Outcomes	Engineering knowledge	Problem Analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Being able to comprehend and put knowledge of software application analysis, design, and	Apply knowledge and skills for computer practice while upholding social, ethical, and	The capacity to work with cutting-edge computing systems and
CO1	2	2	3	3	3	1	1	3	1	1	1	3	2	2	2
CO2	1	3	2	3	2	2	2	2	1	1	1	3	3	2	2
CO3	2	2	2	3	3	2	1	2	1	1	1	3	2	2	3
CO4	1	2	3	2	3	2	1	3	1	2	1	3	3	2	2
CO5	1	2	2	2	3	2	1	3	1	1	1	3	3	2	2

pursue employment in the IT

A K S University



Faculty of

Social Science and Humanities

Department of Arts

Curriculum of BA Computer Program

(Revised as on 01 August 2023)



Course Curriculum Map

COs & SOs / *-No.	COs No. & Titles	SOs No.	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning
5,6,7,8,12,2,3	CO .1: Acquire the knowledge of the fundamentals and features of digital marketing technique.	SO1:1.1 SO2:1.2 SO3:1.3 SO4:1.4 SO5:1.5	LI:1.1 LI:1.2 LI:1.3 LI:1.4 LI:1.5 LI:1.6	Unit-1: Features of Java 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11	As Menti in Pag
5,6,7,8,12,2,3	CO .2: Acquire the basic and advanced knowledge of search engine optimization.	SO1:2.1 SO2:2.2 SO3:2.3 SO4:2.4 SO5:2.5	LI:2.1 LI:2.2 LI:2.3 LI:2.4 LI:2.5 LI:2.6	Unit-2 :Operators and Control Statements 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,1.12,2.13	
5,6,7,8,12,2,3	CO .3: Acquire the basic and advanced knowledge of search engine marketing.	SO1:3.1 SO2:3.2 SO3:3.3 SO4:3.4 SO5:3.5 SO6:3.6 SO7:3.7	LI:3.1 LI:3.2 LI:3.3 LI:3.4 LI:3.5 LI:3.6	Unit-3 :Inheritance, Interface, Exception Handling Stream Classes 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,1.12,2.13	
5,6,7,8,12,2,3	CO .4: Acquire the basic and advanced knowledge of social media marketing.	SO1:4.1 SO2:4.2 SO3:4.3 SO4:4.4	LI:4.1 LI:4.2 LI:4.3 LI:4.4 LI:4.5 LI:4.6	Unit-4: Applets swing 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13	
5,6,7,8,12,2,3	CO .5: Acquire the basic and advanced knowledge of website traffic analysis.	SO1:5.1 SO2:5.2 SO3:5.3 SO4:5.4 SO5:5.5	LI:5.1 LI:5.2 LI:5.3 LI:5.4 LI:5.5 LI:5.6	Unit5: Java Database and Connectivity 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10	



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AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of B.A All Program
(Revised as on 4.11.223)

Semester-III

Course Code: 1CA301

Course Title : Data Base Management System

Pre-requisite: Student should know basic knowledge of handling the records in Database for software development.

Rationale: 'It's all about the Data!'
Database is a kind of tools to make real life financial decisions in a constantly changing and uncertain world and enhances financial literacy

Course Outcomes:

CO.1: Learn the basics of databases and data management.

CO.2: Understand various theoretical and practical principles involved in the design and use of databases systems with the help of database.

CO.3: Learn the Transaction management with grant and revoke.

CO.4: Design and implement databases for various scenarios.

CO.5: Design a database scenario for handling any organisations centralized data.

SchemeofStudies:



Course Category	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
	1CA301	DBMS	4	2	1	1	8	6

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Legend: CI: Classroom Instruction (Includes different instructional strategies i.e., Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Course Category	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment	Total Marks
			Progressive Assessment (PRA)						Total Marks		
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CA)	Class Attendance (AT)	(CA+CT+SA+CA)			
							T)	T+AT)	(ESA)	(PRA + ESA)	



	1CA301	DBMS	15	20	5	5	5	50	50	100
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Course-Curriculum Detailing:

This course Curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO.1: Learn the basics of databases and data management.

Approximate Hours

Item	Appx Hrs.
CI	18
LI	0
SW	0
SL	0
Total	18

SessionOutcomes (SOs)	(LI)	ClassroomInstruction (CI)	(SL)
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<p>SO1.1 Understand the concept of Database.</p> <p>SO1.2 Understand the concept of Physical & their interrelationship DDL, DML & Data dictionary</p> <p>SO1.3 Understand the concept ER model</p> <p>SO1.4 Preparation of Mapping Constraints.</p> <p>SO1.5 Preparation reducing ER diagram to tables.</p>		<p>Unit-1.0 Theoretical Framework of Database</p> <p>1.1. Introduction: Database system concepts.</p> <p>1.2. Concepts of Database system.</p> <p>1.3. Advantages of Database system.</p> <p>1.4. Data Architecture of data system: view/Schema</p> <p>1.5. Logical, Conceptual & Physical & their interrelationship DDL, DML & Data dictionary.</p> <p>1.6. Data base Administrator, ER model</p> <p>1.7. Entity Relationship Model as a tool of conceptual design: Entities & Entity set.</p> <p>1.8. Relationship & Relationship set, Attributes, Mapping Constraints.</p> <p>1.9. Keys, Entity - Relationship diagram: strong & weak entities.</p> <p>1.10. Generalization, Specialization, Aggregation.</p> <p>1.11. Reducing ER diagram to tables.</p>	
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CO.2: Understand various theoretical and practical principles involved in the design and use of databases systems with the help of database.

Approximate Hours

Item	Appx Hours
CI	20
LI	0
SW	0
SL	0
Total	20

<p>Session Out comes (SOs)</p>	<p>(LI)</p>	<p>Classroom Instruction (CI)</p>	<p>(SL)</p>
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<p>SO2.1 Concept of Database Models.</p> <p>SO2.2 Understanding about the Relational, hierarchical and network models.</p> <p>SO2.3 Concept of Normalization & its types.</p> <p>SO2.4 Understanding the Primary key, Candidate key.</p> <p>SO2.5 Preparation of Integrity rules, entity integrity and Referential integrity rule.</p>	<p>.</p>	<p>Unit 2.0 Relational Model.</p> <p>2.1 Hierarchical and Network model.</p> <p>2.2 Their advantages and disadvantages.</p> <p>2.3 storage organization for relations.</p> <p>2.4 Rational Model: Structure topple Attributes.</p> <p>2.5 Normalization: First,</p> <p>2.6 Second, Third</p> <p>2.7 And BCNF Normal forms.</p> <p>2.8 Primary key, Candidate key.</p> <p>2.9 Integrity rules:</p> <p>2.10 Entity integrity,</p> <p>2.11 Referential integrity rule.</p>	
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CO.3: Learn the Transaction management with grant and revoke.

Approximate Hours

Item	Appx Hours
CI	16
LI	0
SW	0
SL	0
Total	16



Session Outcomes (SOs)	(LI)	Classroom Instruction (CI)	(SL)
<p>SO3.1 Meaning and concept of Relational algebra.</p> <p>SO3.2 Practical problem related to select command, Project, cross product.</p> <p>SO3.3 Understanding the different types of joins: Theta join, Equi join, Natural join and Outer Join.</p> <p>SO3.4 Understanding about Set operations, definition of union & set difference.</p> <p>SO3.5 Preparation of Cartesian product, Selection, Intersection & Relational query language.</p>	.	<p>Unit-3.0 : Relational algebra</p> <p>3.1 select</p> <p>3.2 Project</p> <p>3.3 cross product</p> <p>3.4 Different types of joins</p> <p>3.5 Theta join, Equi join</p> <p>3.6 Natural join, Outer Join</p> <p>3.7 Set operations</p> <p>3.8 Definition of union</p> <p>3.9 set difference</p> <p>3.10 Cartesian product</p> <p>3.11 Selection, Intersection 3.12</p> <p>Relational query language.</p>	

CO.4: Design and implement databases for various scenarios.



Approximate Hours

Item	Appx Hours
CI	19
LI	0
SW	0
SL	0
Total	19

Session Outcomes (SOs)	(LI)	Classroom Instruction (CI)	(SL)
<p>SO4.1 Understanding about the concept Relational query language and its types of DML Commands.</p> <p>SO4.2 Preparation of DDL, DML, DCL, TCL syntax & examples.</p> <p>SO4.3 Understanding about the Advance SQL:- Relational set operations, SQL join operations & Sub Queries & correlated queries.</p> <p>SO4.4 Understanding about the department and basis of allocation of joint expenses in case of Department</p> <p>SO4.5 Preparation of departmental trading and profit and loss account in different situations</p>	.	<p>Unit 4.0 Relational query language:- 4.1 Data Manipulation in DBMS, 4.2 Data types 4.3 SQL Commands 4.4 DDL, DML, DCL, TCL syntax & examples. 4.5 Computation on table data 4.6 Advance SQL:- 4.7 Relational set operations 4.8 SQL join operations 4.9 Sub Queries & correlated queries 4.10 SQL functions, Constraints in SQL. 4.11 Introduction to PL/SQL:- 4.12 PL/SQL structure 4.13 Cursors 4.14 Triggers 4.15 Stored Procedures and functions.</p>	



CO.5: Design a database scenario for handling any organisations centralized data.

Approximate Hours

Item	Appx Hours
CI	17
LI	0
SW	0
SL	0
Total	17

Session Outcomes (SOs)	(LI)	Classroom Instruction (CI)	(SL)
<p>SO5.1 Understand about the concept of dissolution of firm and preparation of Realization account and capital account</p> <p>SO5.2 Preparation of necessary account and treatment when all partner being solvent</p> <p>SO5.3 Preparation of necessary account and treatment in case of insolvency of partners</p> <p>SO5.4 Understanding about the Sale to a limited company and Preparation of necessary account</p> <p>SO5.5 Understanding about the Amalgamation of firm and Preparation of necessary account</p>		<p>Unit 5.0: Functional protection and Crash Recovery:</p> <p>5.1. Functional protection and Crash Recovery:</p> <p>5.2 Protection against Crashes:</p> <p>5.3 Different types of crashes</p> <p>5.4 Backup, journal, Rollback</p> <p>5.5 Committed & uncommitted transactions</p> <p>5.6 Security on database</p> <p>5.7 Transaction concept</p> <p>5.8 Transaction state</p> <p>5.9 Serializabilty security or Database:</p> <p>5.10 User identification.</p> <p>5.11 Physical protection & maintenance.</p>	



Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+Sl)
CO.1: Learn the basics of databases and data management.	18	0	0	18
CO.2: Understand various theoretical and practical principles involved in the design and use of databases systems with the help of database.	20	0	0	20
CO.3: Learn the Transaction management with grant and revoke.	16	0	0	16
CO.4: Design and implement databases for various scenarios.	19	0	0	19
CO.5: Design a database scenario for handling any organisations centralized data.	17	0	0	17
Total Hours	90	00	00	90

Suggestion for End Semester Assessment

Suggested Specification Table(For ESA)

CO	UnitTitles	MarksDistribution			Total Marks
		R	U	A	
CO-1	Theoretical Framework of Database	01	01	03	05
CO-2	Relational Model	01	01	03	05
CO-3	Relational algebra	-	03	10	13
CO-4	Relational query language	-	03	10	13
CO-5	Functional protection and Crash Recovery	01	03	10	14
Total		03	12	36	50

Legend: R:Remember, U:Understand, A:Apply

The end of semester assessment for Financial Accounting will be held with written examination of 50 marks



Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Brainstorming

Suggested Learning Resources:

S. No.	Title	Author	Publisher	Edition & Year
1	An introduction to Database system. Vol.-I.	Bipin Desai		
2	database system concepts	Abraham Silberschatz & S. Sundaram		
3	Fundamentals of Database system.	Elmasri & S Navathe	Sahitya Bhavan Publication House Agra	
4	Database management system	Johannes Gehrke and Raghu Ramakrishnan.		

Faculty of Social Science and Humanities
Department of Arts
Curriculum of BA Computer Program
 (Revised as on 01 August 2023)

CO-PO-PSO

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Program Outcomes	Engineering knowledge	Problem Analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Being able to comprehend and put knowledge of software application analysis, design, and	Apply knowledge and skills for computer practice while upholding social, ethical, and	The capacity to work with cutting - edge computing systems and pursue employment in the IT
CO1	2	2	3	3	3	1	1	3	1	1	1	3	2	3	1
CO2	1	3	2	3	2	2	2	2	1	1	1	3	2	1	3
CO3	2	2	2	3	3	2	1	2	1	1	1	3	3	2	1
CO4	1	2	3	2	3	2	1	3	1	2	1	3	2	3	2
CO5	1	2	2	2	3	2	1	3	1	1	1	3	3	3	2

sector, including consulting,





Course Curriculum Map

COs No. & Titles	SOs No.	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning
CO.1: Learn the basics of databases and data management.	SO1:1.1 SO2:1.2 SO3:1.3 SO4:1.4 SO5:1.5		Unit-1: Theoretical Framework of Database 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11	As Mentioned in Page
CO.2: Understand various theoretical and practical principles involved in the design and use of databases systems with the help of database.	SO1:2.1 SO2:2.2 SO3:2.3 SO4:2.4 SO5:2.5		Unit-2 :Relational Model 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11	
CO.3: Learn the Transaction management with grant and revoke.	SO1:3.1 SO2:3.2 SO3:3.3 SO4:3.4 SO5:3.5		Unit-3 :Relational algebra 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11	
CO.4: Design and implement databases for various scenarios.	SO1:4.1 SO2:4.2 SO3:4.3 SO4:4.4 SO5:4.5		Unit-4: Relational query language 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13,4.14,4.15	
CO.5: Design a database scenario for handling any organisations centralized data.	SO1:5.1 SO2:5.2 SO3:5.3 SO4:5.4 SO5:5.5		Unit5: Functional protection and Crash Recovery: 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11	



Course Code: 01HI301

Course Title : History of Medieval India (from 1205 to 1739 AD)

Pre- requisite: This course can be opted by any student who has passed 12 th class .

Rationale: It's all about India's glorious past.

After studying this paper ,the students will be able to present clear cut ideas about the consolidation of the Delhi Sultanate ,Mughal Empire and contemporary Indian rulers .They will be able to give an analytical view of various dynasties which dominated the political and cultural landscape of that period for a long time.

Course Outcomes:

the students will. be able to

01HI301-present clear cut ideas about the consolidation of the Delhi Sultanate ,

01HI301-Student will be able to draw the picture of period Mughal Empire and contemporary Indian rulers .

01HI301- Students will be able to give an analytical view of various regional dynasties which dominated the political and cultural landscape of that period for a long time.

01HI301-Student will able to write essay on nature and significance of Bhakti movement in India.

01HI301- Students will be able to give presentation on art and architecture of Medieval Indian **Period** .



Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
Program Core	1HI301	History of Medieval India (From 1205 to 1739 AD)	6	0	0	0	6	6

Legend: CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:**Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)		
			Progressive Assessment (PRA)	End	Total



			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Se min ar one (SA)	Clas s Act ivit y any one (C AT)	Class Attenda nce (AT)	Total Marks (CA+CT+S A+CAT+A T)	Semest er Assess ment (ESA)	Mar ks (PR A+ ESA)
	1HI 301	History of Medie val India (From 1205 to 1739 AD)	15	20	5	5	5	50	50	100

Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.



1- Students will present clear cut ideas about the consolidation of the Delhi Sultanate ,

Approximate Hours

Item	Appx Hrs.
CI	24
LI	0
SW	1
SL	1
Total	26

Session Outcomes (SOs)	(L I)	Class room Instruction (CI)	(S)

L



<p>SO1.1 Understand the Concept and nature of source of Delhi Sultan .</p> <p>SO1.2 Understand the Concept of political condition of Delhi Sultanate.</p> <p>SO1.3 Understand the concept behind consolidation of Delhi Sultanate</p> <p>SO1.4 Evaluate the Conquests , administration ,reforms Social life of Sultunate,Economic</p> <p>SO1.5 Write meaningfull essay on Mongol Invasion and it's impact .</p>	<p>Unit -1-Sultanate Period - sources</p> <p>1.1-Sources of Medieval Indian History</p> <p>1.2Sulfonate Period - sources</p> <p>1.3Establishment of Delhi Sultanate</p> <p>.Slave Dynasty</p> <p>.Khilji Dynasty</p> <p>.Tugalaq Dynasty</p> <p>1.4 Consolidations of Delhi Sultanate</p> <p>1.5 Administration of Sultanate Period</p> <p>1.6Central Administration</p> <p>1.7 Provincial Administration</p> <p>1.8 District Administration</p> <p>1.9 Village Administration</p> <p>1.10Military Administration</p> <p>1.11Examine Revenue Administration</p> <p>1.12Judicial Administration</p> <p>1.12Society during Sultanate Period</p> <p>1.13 Status of Women During Sultanate Period</p> <p>1.14 Economy during Sultanate Period</p> <p>1. 15Various Important Conquests</p> <p>1.16 Administrative reforms during sultanate Period</p> <p>1.17 Social Reforms during Sultanate Period</p> <p>1.18 Military reforms during Sultanate Period</p> <p>1.19 Revenue reform during Sultanate period</p> <p>1.20 life of Sultunate period</p> <p>1.21 The Mongol Invasion</p> <p>1.22 Impact of Mongol Invasion</p> <p>95</p>
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A K S University



Faculty of

Social Science and Humanities

Department of Arts

Curriculum of BA Computer Program

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.2-Student will be able to draw the picture of period Mughal Empire and contemporary Indian rulers .

Approximate Hours

Item	Appx Hours
CI	23
LI	0
SW	1
SL	1
Total	25

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO2.1 Concept about emergence of Regional Kingdoms and Mughal Invasion</p> <p>SO2.2 Understanding about the Vijaynagar Kingdoms</p> <p>ISO2.3 Preparation of presentation on Mauryan dynasty</p> <p>SO2.4 Understanding the Mughal Invasion - Achievement , Administration , Economic condition</p> <p>SO2.5 Understanding the trade ,land revenue system ,status of women .</p>	<p>.</p>	<p>UNIT 2- Rise of Regional Kingdoms and Mughal Invasion</p> <p>2.1:-Rise of Regional Kingdoms</p> <p>2.2 Administration of Regional Kingdoms</p> <p>2.3 Economy of Regiona Kingdoms</p> <p>2.4 Mughal Invasion</p> <p>2.5 Reasons of Mughal Invasions</p> <p>2.6Vijaynagar Kingdoms</p> <p>2.7Harihar -Bukka</p> <p>2.8Raja Krishnadev Rai</p> <p>2.9Achievements of Various rulers of Vijayanagar Kingdoms</p> <p>2.10 Administration of Vijaynagar Kingdoms</p> <p>2.11Economy of Vijaynagar Kingdoms</p> <p>2.12 society of Vijaynagar Kingdoms</p> <p>2.13 Lodi dynasty</p> <p>2.14 Administration of Lodi Dynasty</p> <p>2.15 Reforms by Lodi Dynasty</p> <p>2.16 The Mughal Invasion -</p> <p>2.17 Reasons of Success of Mughal Invasions</p> <p>2.18 Achievement of Mughal Rulers</p> <p>2.19 Examine nature of Administration</p> <p>2.20Examine Economic condition</p> <p>2.21Development of trade</p> <p>2.22 land revenue system</p> <p>2.23 status of women during Mughal Period</p>	
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3:- Students will be give an analytical view of various regional dynasties which dominated the political and cultural landscape of that period for a long time

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	1
SL	1
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(S L)
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<p>SO3.1 Meaning and concept Mughal empire and Regional Powers</p> <p>SO3.2 Understanding about the Shershah Suri -Achievements and administration , economy .</p> <p>SO3.3 Understanding the conceptof Rise of Marathas:</p> <p>SO3.4 Understanding about the Aurangzeb and the Decline of Mughha Empire.</p> <p>SO3.5 4 Understanding about the Invasion of Nadirashah and it's Impac .</p>	<p>.</p>	<p>Unit-3 : Mughal empire and Regional Powers</p> <p>3.1-Mughal empire</p> <p>3.2 Emergence of Regional Powers :-</p> <p>3.3 Shershah Suri</p> <p>3.4 Achievements of Shershah Suri</p> <p>3.5 Administration of Sherashah Suri 3.6 Economy during reign of Shershah Suri</p> <p>3.7 Mughal -Rajput Relation.</p> <p>3.8 Mughal Sikh Relation ,</p> <p>3.9-Rise of Marathas:</p> <p>3.10- Shivaji conquests</p> <p>3.11- Administration of Shivaji .</p> <p>3.12Aurangzeb .</p> <p>3.13Administration during reign of Aurangzeb</p> <p>3.14 the Decline of Mughal Empire.</p> <p>3.15 Debate of Decline of Mughal Period</p> <p>3.16-Invasion of Nadirashah</p> <p>3.17 Impact of Invasions of Nadirashah</p> <p>3.18 Nature of state during 18th century</p>	
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4-Student will write essay on nature and significance of Bhakti movement in India.



Approximate Hours

Item	Appx Hours
CI	17
LI	0
SW	1
SL	1
Total	19

Session Outcomes (SOs)	(L I)	Class room Instruction (CI)	(S L)
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<p>SO4.1 Understanding about the Art and Architecture of Medieval India</p> <p>SO4.2 Preparation of table on Architecture of Sultanate Period</p> <p>SO4.3 Understanding about Literature of Mughal Period ,Paintings of Mughal Period</p> <p>SO4.4 Understanding about the history ,culture and architecture of Northern Indian Dynasties.</p> <p>SO4.5 Preparation of table of Mughal style and Rajput Style</p>	<p>Unit-4 : Art and Architecture of Medieval India</p> <p>4.1-Art Forms</p> <p>4.2 Painting Art</p> <p>4.3 Significance of Art</p> <p>4.4 Dancing Art</p> <p>4.5 Architecture of Medieval India:-</p> <p>4.6 Architecture of Slave Dynasty</p> <p>4.7-Architecture of Khilji Dynasty</p> <p>4.8-Architecture of Tugalaq Dynasty</p> <p>4.9 Architecture of Lodi Dynasty</p> <p>4.10 Architecture of Mughal Period</p> <p>4.11 Art during Mughal Period</p> <p>4.12 Architecture during the reign of Akbar</p> <p>4.13 Architecture during the reign of Jahangir</p> <p>4.14 Architecture during the reign of Shahjahan</p> <p>4.15 Literature of Mughal Period</p> <p>4.16 Paintings of Mughal Period</p> <p>4.17-Mughal style and Rajput Style</p>	
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5:Students will be able to give presentation on art and architecture of Medieval Indian Period .

Item	Appx Hours
C1	14



LI	0
SW	1
SL	1
Total	16

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(S L)
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<p>SO5.1 Understand about the nature of Religion and culture</p> <p>SO5.2 Preparation of table of Religious life in Sultanate Period .</p> <p>SO5.3 Understanding about reason Religious Life in Mughal Period .Bhakti .</p> <p>SO5.4 Understanding about the reason Movement and sufi Tradition in India</p> <p>SO5.5 Understanding about the history Kabir, Tulsidas ,Surdas , Meerabai ,Guru Nanak</p>		<p>Unit 5: Religion and culture</p> <p>5.1 Religion and culture</p> <p>5.2 Religious life in Sultanate Period .</p> <p>5.3 Religious Life in Mughal Period .Bhakti</p> <p>5.4 Bhakti Movement during Sultanate Period</p> <p>5.5 Culture of Sultanate Period</p> <p>5.6 Movement</p> <p>5.7 Role of Kabir</p> <p>5.8 Role of Tulsidas</p> <p>5.9 Role of Surdas</p> <p>5.10 Role of Meerabai</p> <p>5.11 Role of Guru Nanak</p> <p>5.12 Emergence of Sufism</p> <p>5.13 Emergence of composite culture during Medieval India</p> <p>5.14 Salient features of Composite Culture during Sultanate Period</p>	
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Brief of Hours suggested for the Course Outcome



Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+Sl)
1-Students will Present clear cut ideas about the consolidation of the Delhi Sultanate	22	1	1	24
2-Student will be able to draw the picture of period Mughal Empire and contemporary Indian rulers .	23	1	1	25
3 Students will be able to give an analytical view of various regional dynasties which dominated the political and cultural landscape of that period for a long time	18	1	1	20
4-Student will able to write essay on nature and significance of Bhakti movement in India.	17	1	1	19
5 Students will be able to give presentation on art and architecture of Medieval Indian Period .	14	1	1	16
Total Hours	94	05	05	104

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	1-Sultunate Period - sources	01	02	02	05
CO-2	2- Rise of Regional Kingdoms and Mughal Invasion	01	02	02	05
CO-3	3 Mughal empire and Regional Powers	1	02	10	13



CO-4	4 Art and Architecture of Medieval	-	0 2	11	13
CO-5	5 Religion and culture	1	3	10	14
Total		04	1 1	35	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Financial Accounting will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion

5. Brainstorming Suggested Learning Resources:

(a) Books :

S. No.	Title	Author	Publisher	Edition & Year
1	History of Medieval India	Satish Chandra	Oxford India Paperbacks	Revised edition 2022
2	□□□□□□□□□□ □□□□ □□	□□□□ □□□□□□	SBPD Publication	Edition 2022



3	□□□□□□□□□□ □□□□ □□ □□□□□□	□□□□ □□□□□□	□□□□□□ □□□□□□□□ □□□	Revised edition 2022
4	Mr.Gaurav Singh Dept. of Arts AKS University, Satna .			

Curriculum Development Team:

- 1-Mr. Gaurav Singh , Assistant Professor, Department of Arts
- 2-Mr, Rajeev Bairagi, Assistant Professor
- 3- Mrs Prachi Singh , Teaching Associate , Department of Arts
- 3-Dr.Pushpa Soni,Assistant Professor, Department of Arts
- 4-Dr. Usha Dwivedi ,Assistant Professor, Department of Arts
- 5-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts
- 6-Dr.Udaybhan Singh, Assistant Professor , Department of Arts

CO-PO Mapping:

PO N O.	PO1	PO2	PO3	PO4	PO5	P O 6	P O 7	P O 8	P O9	P O1 0	P O1 1	P O 1 2	PS O1	PSO2	PSO3
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Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensitive	The B.A. graduates will be acquainted with the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate program of their choice.	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Programme	Environment	Ethics	Individual and team work	Communication	Project management and finance	Lifelong learning	Understand the socio, economic, religious and political condition of India through the age at the local, regional and national	Develop the skills needed to succeed in competitive examinations to enhance job opportunities in various history related fields e.g. archives, museums.	Discuss the development in art and architecture language and literature, science and technology.
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C O1	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
C O2	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
C O3	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3
C O4	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3
C O5	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3

Course Curriculum Map

POs& PSOs /*-No.	COsNo.&Titles	SOsNo.	La bor ato ryI nst ruc tio n(LI)	Classroom Instruction(CI)	SelfLearn ing(SL)
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO:1,2, 3	CO- 1: Students will Present clear cut ideas about the consolidation of the Delhi Sultanate	SO1:1 SO1.2 SO1.3 SO1.4 SO1.5		Unit-1.0 Sultanate Period - sources 1.1,1.2,1.3,1.4,1.5,1.6, 1.7,1.8,1.9 ,1.10,1.11,1.12,1.13,1.14,1.15,1. 16,1.17,1.18,1.19,1.20,1.21,1.22	As Mention ed in Page no. ____ to _____



<p>PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12</p> <p>PSO: 1,2,3</p>	<p>CO- 2: Student will be able to draw the picture of period Mughal Empire and contemporary Indian rulers.</p>	<p>SO2:1 SO2.2 SO2.3 SO2.4 SO2.5</p>	<p>Unit-2 Rise of Regional Kingdoms and Mughal Invasion 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,2.12,2.13,2.14,2.15,2.16,2.17,2.18,2.19,2.20,2.21,2.22,2.23</p>
<p>PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12</p> <p>PSO: 1,2,3</p>	<p>CO- 3: 3 Students will be able to give an analytical view of various regional dynasties which dominated the political and cultural landscape of that period for a long time</p>	<p>SO3:1 SO3.2 SO3.3 SO3.4 SO3.5</p>	<p>Unit-3 Mughal empire and Regional Powers 3.1,3.2,3.3,3.4,3.5,3.6,3.6,3.7,3.8,3.9,3.10,3.11,3.12,3.13,3.14,3.15,3.16,3.17,3.18</p>
<p>PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12</p> <p>PSO: 1,2,3</p>	<p>CO- 4: Student will able to write essay on nature and significance of Bhakti movement in India</p>	<p>SO4:1 SO4.2 SO4.3 SO4.4 SO4.5</p>	<p>Unit-4: Art and Architecture of Medieval 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13,4.14,4.15,4.16,4.17</p>
<p>PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12</p> <p>PSO: 1,2,3</p>	<p>CO- 5: Students will be able to give presentation on art and architecture of Medieval Indian Period .</p>	<p>SO5:1 SO5.2 SO5.3 SO5.4 SO5.5</p>	<p>Unit5: Religion and culture 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11,5.12,5.13,5.14</p>



Curriculum of B.A. Program

(Revised as on 01.08.2023)

Semester-3rd

Course Code: Core- 1EC301

Course Title : Macro economics

Pre-requisite: Certificate course with economics as major subject

Rationale: 'It's all about the money and banking'
Students studying macro economics theory, investment, consumption function, multiplier theory, IS LM curve, accelerator theory, Rate of interest, money and banking

Course Outcomes:

CO.1 Understand the role of expectations in macroeconomics

CO.2 Gain knowledge about the alternative theories of endogenous expectations formation

CO.3 Exposure to some later developments in macroeconomic theory like Real Business Cycle Hypothesis vs. New Keynesian Economics

CO.4 Understand about the basics of open economy macroeconomics.

CO.5 Develop knowledge and understanding of theory and concepts of financial market system



Department of Commerce

Curriculum of B.A. Plain and Hons. Program

(Revised as on 01.08.2023)

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies(Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours(CI+LI+SW+SL)	
	1EC301	Macro economics	6	0	0	0	6	6

Legend: **CI:** Class room Instruction(Includes different instructional strategies i.e. Lecture(L) and Tutorial (T) and others), **LI:** Laboratory Instruction(Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies) **SW:** Sessional Work (include es assignment, seminar, mini project etc.), **SL:** Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)						End Semester Assessment	Total Marks
			Progressive Assessment (PRA)							
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+C)		
									(PRA)	



				(CT))		AT+AT)	(ESA)	+ ESA)
	1EC 301	Macro economy cs	15	20	5	5	5	50	50	100

AKS University Faculty of

commerce and financial studies

Department of Commerce

Curriculum of B.A. Plain and Hons. Program

(Revised as on 01.08.2023) Course-Curriculum

Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO.1 Understand the role of expectations in macroeconomics

Approximate Hours

Item	Appx Hrs.
CI	18
LI	0
SW	01
SL	01
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO1.1 Understand the definition and importance of macroeconomics</p> <p>SO1.2 Understand the circular flow of income</p> <p>SO1.3 Understand the concept of social accounting</p> <p>SO1.4 Preparation of methods of measuring NI</p> <p>SO1.5 Preparation of NI and</p>		<p>Unit-1.0 Concept of macro economics</p> <p>1.1. definition of macroeconomics</p> <p>1.2. subject matter of macro economics</p> <p>1.3. importance of macro economics</p> <p>1.4. Limitation of macro economics</p> <p>1.5. relationship between microeconomics and macroeconomics</p> <p>1.6. macroeconomic variable stock and flow</p> <p>1.7. circular flow of income</p> <p>1.8. definition national income</p>	
<p>economic welfare</p>		<p>1.9 different concept of national income</p> <p>1.10 GNP and GDP THEORY</p> <p>1.11. methods of measuring national income</p> <p>1.12. social accounting of national income</p> <p>1.13. Kinds of national income</p> <p>1.14 economic welfare</p> <p>1.15. ancient Indian</p> <p>1.16 concept of income</p> <p>1.17 importance of economic welfare</p> <p>1.18 concept of economic welfare</p>	

C0.2 Gain knowledge about the alternative theories of endogenous expectations formation

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	02
SL	01
Total	21

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO2.1 Concept Meaning and terminology of day's market law SO2.2 Understanding about the Keynes employment theory SO2.3 Preparation of psychological law of consumption SO2.4 Understanding the principle of multiplier SO2.5 Preparation of accelerator principle</p>	<p>.</p>	<p>Unit 2.0. determination of employment</p> <p>2.1 classical theory of employment 2.2 say's market law theory 2.3 Meaning of employment 2.4 types of employment 2.5 concept of employment 2.6. keynes employment theory 2.7 aggregate demand function 2.8 aggregate supply function 2.9. applicability of Keynes employment theory 2.10 development countries system 2.11. psychological law of consumption 2.12.conjunction function MPC 2.13 conjunction function APC 2.14 conjunction function MPS 2.15 conjunction function APS 2.16 principal of multiplayer 2.17 accelerator principle theory 2.18 kinds of conjunction function</p>	
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CO.3 Exposure to some later developments in macroeconomic theory like Real Business Cycle Hypothesis vs. New Keynesian Economics

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	01
SL	02
Total	21

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO3.1 Meaning and concept of investment theory SO3.2 understand the meaning and types of investment SO3.3 Understanding the IS and LM model SO3.4 Understanding about monetary policy SO3.5 understand the physical policy</p>	<p>.</p>	<p>Unit-3 :Investment 3.1 meaning of investment 3.2 types of investment 3.3 motivation of investment 3.4 marginal efficiency of capital 3.5. marginal efficiency of investment 3.6. determination of equilibrium IS curve 3.7 IS model and 3.8 LM model 3.9. monetary policy meaning 3.10 tools of monetary policy 3.11 effectiveness of monetary policy 3.12. physical policy meaning 3.13 tools of physical policy 3.14 importance of physical policy 3.14 kinds of physical policy 3.16 definition of physical policy 3.17 inflation theory 3.18 effectiveness theory</p>	
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CO.4 Understand about the basics of open economy macroeconomics.

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	01
SL	01
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)



<p>SO4.1 Understanding about the concept of inflation SO4.2 Preparation of consumer index GDP SO4.3 Understanding about the meaning and types of inflation deflation and stagflation SO4.4 Understanding about the Philip's curve SO4.5 Preparation of measures to control inflation</p>	<p>.</p>	<p>Unit-4 :Inflation and deflation</p> <p>4.1. meaning of inflation 4.2 deflation theory 4.3 stagflationtheory 4.4 definition of inflation 4.5 definition of deflation 4.6 definition of stagflation 4.7 kinds of inflation 4.8 kinds of deflation 4.9 kinds of stagflation 4.10 effect of deflation 4.11 effect of stagflation 4.12 cost pull inflation 4.13. types and effect of inflation 4.14. principle of inflation demand pull inflation 4.15. measures to control inflation 4.16. effect of deflation and control deflation 4.17. Philips curve 4.18. consumer price index GDP</p>	
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CO.5 Develop knowledge and understanding of theory and concepts of financial market system

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	02
SL	01
Total	21

<p>Session Outcomes (SOs)</p>	<p>(LI)</p>	<p>Class room Instruction (CI)</p>	<p>(SL)</p>
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<p>SO5.1 Understand about the concept of trade cycle SO5.2 Preparation of monetary policy SO5.3 Preparation of Keynesian theory SO5.4 Understanding about the kaldor theory SO5.5 Understanding about the Hicksian theory measures to control the trade cycle</p>		<p>Unit 5: trade cycle system</p> <p>5.1.meaning of trade cycle 5.2.phases of trade cycle 5.3 kinds of trade cycle 5.4 concept of trade cycle 5.5 importance of trade cycle 5.6 tools of trade cycle 5.7 monetary policy system 5.8 meaning of monetary policy 5.9 definition of monetary policy 5.10 Tools of monetary policy 5,11 kinds of monetary policy 5.12 importance of monetary policy 5.13. shumpeters innovation theory 5.14. Keynesian theory 5.15. kaldor theory 5.16. Hicksian theory 5.17 measures to control the trade cycle 5.18 Hicksian theory of trade cycle</p>	
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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (CI)	Sessional Work (SW)	Self Learning (SI)	Total hour (CI+SW+SI)
CO.1 Understand the role of expectations in macroeconomics	18	01	01	20
CO.2 Gain knowledge about the alternative theories of endogenous expectations formation	18	02	01	21
CO.3 Exposure to some later developments in macroeconomic theory like Real Business Cycle Hypothesis vs. New Keynesian Economics	18	01	01	20
CO.4 Understand about the basics of open economy macroeconomics.	18	01	01	
CO.5 Develop knowledge and understanding of theory and concepts of financial market system	18	02	01	21



Total Hours	90	00	00	102
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Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Concept of macro economics	01	01	03	05
CO-2	determination of employment	01	01	03	05
CO-3	Investment	-	03	10	13
CO-4	Introduction to the basics of monetary economics	-	03	10	13
CO-5	trade cycle system	01	03	10	14
Total		03	12	36	50

Legend: R:Remember, U:Understand, A:Apply

The end of semester assessment for Macro economics will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Brainstorming

Suggested Learning Resources:

(a) Books:

S. No.	Title	Author	Publisher	Edition & Year
1	Macro economics analysis	Allen G.D.	Macmillan London	Revised edition 21 edition 2020



2	Macro economics	Vaish M.C.	Vikas publishing house New Delhi
4	Lecture note provided by Dept. of Commerce AKS University, Satna .		

Curriculum Development Team:

- 1-Mrs prachisingh, Teaching associate, Department of Arts
- 2-Mr. Gaurav Singh , Assistant Professor, Department of Arts
- 3-Mr, Rajeev Bairagi, Assistant Professor
- 3-Dr.PushpaSoni,Assistant Professor, Department of Arts
- 4-Dr. Usha Dwivedi ,Assistant Professor, Department of Arts
- 5-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts
- 6-Dr.Udaybhan Singh, Assistant Professor , Department of Arts

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.	The B.A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Programme provides the base to be the responsible citizen.	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Students will understand the concepts GNP, NNP, GDP, NDP, PCI, Disposable Income. Students will understand various aspects and features of Indian economy	Student will know about Consumer's behavior. Demand analysis, cardinal and ordinal utility. It may also provide the information to the student for elasticity of demand, price, income and cross elasticity of demand. Students will learn about the concepts of statistical methods	Students can work efficiently in the field of banking, finance, industry, farming, consumer rights, production, research and trade
CO1	3	3	2	2	2	2	1	1	3	2	3	3	2	3	3
CO2	3	3	2	2	1	2	1	1	2	2	2	3	2	3	3
CO3	3	3	2	2	2	2	1	1	3	2	2	3	3	3	3



CO4	3	3	2	2	1	2	1	1	3	3	3	3	3	3	3
CO5	3	3	2	2	2	2	1	1	2	2	3	3	3	3	3

PO: 1,2,3,4,5, 6,7,8,9,1 0,11,12 PSO:1,2,3	CO- 1 Understand the role of expectations in macroeconomics	SO1:1 SO1:2 SO1:3 SO1:4 SO1:5	Unit-1 Concept of macro economics 1.1,1.2,1.3,1.4,1.5,1.6,1.7 , 1.8,1.9,1.10,1.11 ,1.12,1.13,1.14,1.15,1.16,1.17,1.18
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PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO: 1,2,3,	CO- 2 Gain knowledge about the alternative theories of endogenous expectations formation	SO2:1 SO2:2 SO2:3 SO2:4 SO2:5	Unit-22Concept of macroeconomics.1,2.2, 2.3,2.4,2.5,2.6, 2.7,2.8,2.9,2.10,2.11,2.12 ,2.13,2.14,2.15,2.16,2.17, 2.18
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO: 1,2,3,	CO-3 Exposure to some later developments in macroeconomic theory like Real Business Cycle Hypothesis vs. New Keynesian Economics	SO3:1 SO3:2 SO3:3 SO3:4 SO3:5	Unit 3 Investment 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,3.12, 3.13,3.14,3.15,3.16,3.17 ,3.18
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO: 1,2,3,	CO-4 Introduction to the basics of monetary economics	SO4:1 SO4:2 SO4:3 SO4:4 SO4:5	Unit-4:: Introduction to the basics of monetary economics 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12, 4.13,4.14,4.15,4.16,4.17, 4.18



PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO: 1,2,3,	CO-5 trade cycle system	SO5:1 SO5:2 SO5:3 SO5:4 SO5:5	Unit 5 trade cycle system 1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11,5.12,5.13,5.14,5.15,5.16,5.17,5.18
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Course curriculum map

AKS University

Faculty of social science and humanities

Department of Arts

Curriculum of BA English Literature

(Revised as on 4.11.223)

Semester-3

Course Code: 01EN302

Course Title : Study of Prose (Paper 1, Theory)

Pre-requisite: To study this course, a student must have had the subject English Language and Literature at her/his Certificate Course level.

Rationale: Prose encompasses a broad range of writings, from fiction to essays, allowing students to analyze complex narratives and arguments.

Course Outcomes:

01EN302CO1. Analyze literary devices, forms and techniques in order to appreciate and interpret the text.

01EN302CO2. Broaden analytical skills and develop critical thinking skills.

01EN302CO3. Cultivate wisdom and world-view within themselves.

01EN302CO4. Develop language and communication skills and creativity.



AKS University

Faculty of social science and humanities

Department of Arts

Curriculum of BA English Literature

(Revised as on 4.11.223)

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)				Total Credits (C)
			CI	LI	SW	SL	
CORE	A2-ELITIT	Study of Prose (Paper 1, Theory)					4

Legend:

CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)		
			Progressive Assessment (PRA)	End Semester Assessment	Total Marks



			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)	(ESA)	(PRA+ESA)
CORE	A2-ELITIT	Study of Prose (Paper 1, Theory)								

AKS University

Faculty of social science and humanities

Department of Arts

Curriculum of BA English Literature

(Revised as on 4.11.223)

Course-CurriculumDetailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO1. Analyze literary devices, forms and techniques in order to appreciate and interpret the text.

Approximate Hours

Item	Appx Hrs.
CI	15
LI	0
SW	01
SL	01
Total	20

SessionOutcomes (SOs)	(LI)	ClassroomInstruction (CI)	(SL)
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<p>SO1.1.Explore the key principles of Renaissance humanism and their impact on the development of prose as a vehicle for humanist ideas. SO1.2.Examine Michel de Montaigne's biography, including his upbringing, education, and intellectual influences. SO1.3.Evaluate Montaigne's major themes and philosophical perspectives as expressed through his essays, such as skepticism, self-reflection, and cultural relativism.</p>		<p>Unit-1-Early Prose Writers</p> <p>1.1.Introduction to Prose and its Evolution as a Literary Form</p> <p>1.2.The Influence of Renaissance Humanism on Prose Writing</p> <p>1.3.Michel de Montaigne: Life and Works</p> <p>1.4.Analysis of Montaigne's Essay "On Sorrow" (Translated by Charles Cotton)</p> <p>1.5.Francis Bacon: Life, Works, and Contributions to Prose</p> <p>1.6.Detailed Study of Bacon's Essays "Of Studies" and "Of Truth"</p> <p>1.7.Oliver Goldsmith: Biography and Literary Career</p> <p>1.8.Exploration of Goldsmith's Narrative Technique in "The Man in Black"</p> <p>1.9.Comparative Analysis of Montaigne's and Bacon's Philosophical Approaches</p> <p>1.10.Themes of Knowledge and Truth in Montaigne and Bacon's Essays</p> <p>1.11.Social Commentary and Satire in Goldsmith's "The Man in Black"</p> <p>1.12.Influence of Montaigne and Bacon on Later Prose Writers</p> <p>1.13.Literary Criticism of Montaigne's and Bacon's Essays</p> <p>1.14.Goldsmith's Contribution to the</p>	
		<p>Development of English Prose</p> <p>1.15.The Legacy of Early Prose Writers in Modern Literature</p>	

CO2.Broaden analytical skills and develop critical thinking skills.

Approximate Hours

Item	Appx Hours
CI	15
LI	0
SW	01
SL	01
Total	20



Session Outcomes (SOs)	(LI)	Classroom Instruction (CI)	(SL)
<p>SO2.1. Evaluate the significance of prose as a medium for expressing Enlightenment ideals, Romantic sensibilities, and social critique in eighteenth and nineteenth century literature.</p> <p>SO2.2. Examine Joseph Addison's biography, including his education, political career, and literary partnerships.</p> <p>SO2.3. Conduct a close reading of Joseph Addison's essay "The Spectator's Account of Himself," focusing on its structure, language, and rhetorical devices.</p>		<p>Unit-2: Eighteenth/ Nineteenth Century Prose</p> <p>2.1. Introduction to Eighteenth and Nineteenth Century Prose</p> <p>2.2. Joseph Addison: Life and Contributions to English Literature</p> <p>2.3. Analysis of Addison's Essay "The Spectator's Account of Himself"</p> <p>2.4. The Spectator Papers: Context and Significance in Periodical Literature</p> <p>2.4. William Hazlitt: Biography and Literary Career</p> <p>2.5. Examination of Hazlitt's Essay "On the Ignorance of the Learned"</p> <p>2.6. Examination of Hazlitt's Essay "On the Ignorance of the Learned"</p> <p>2.7. Charles Lamb: Life, Works, and Contribution to Romantic Prose</p> <p>2.8. Detailed Study of Lamb's Essay "Dream Children"</p> <p>2.9. Comparison of Addison's and Hazlitt's Views on Knowledge and Learning</p> <p>2.10. Themes of Memory and Imagination in Charles Lamb's "Dream Children"</p> <p>2.11. Romanticism and Sentimentality in Lamb's Prose Style</p> <p>2.12. Social and Political Commentary in the Essays</p>	
		<p>of Addison, Hazlitt, and Lamb</p> <p>2.13. Literary Criticism of Addison's, Hazlitt's, and Lamb's Essays</p> <p>2.14. Influence of The Spectator and Romantic Prose on Victorian Writers</p> <p>2.15. The Evolution of English Prose Style from the Eighteenth to Nineteenth Century</p>	

CO3. Cultivate wisdom and world-view within themselves.

Approximate Hours

Item	Appx Hours
CI	15
LI	0



SW	01
SL	01
Total	20

SessionOutcomes (SOs)	(LI)	ClassroomInstruction (CI)	(SL)
<p>SO3.1.Explore the defining characteristics of modern period prose, including experimentation with form, style, and narrative technique.</p> <p>SO3.2.Examine AG Gardiner's biography, including his background, education, and career as a journalist and essayist.</p> <p>SO3.3.Conduct a close reading of AG Gardiner's essay "On The Rule of the Road," examining its structure, language, and rhetorical strategies.</p>		<p>Unit-3: Prose in Modern Period</p> <p>3.1.Introduction to Modern Period Prose and Its Characteristics</p> <p>3.2.AG Gardiner: Life and Contributions to English Literature</p> <p>3.3.Analysis of Gardiner's Essay "On The Rule of the Road"</p> <p>3.4.Themes of Civility and Social Responsibility in Gardiner's Essay</p> <p>3.5.Robert Lynd: Biography and Literary Career</p> <p>3.6.Examination of Lynd's Essay "The Pleasures of Ignorance"</p> <p>3.7.Exploration of Lynd's Perspective on Knowledge and Wisdom</p> <p>3.8.Aldous Huxley: Life, Works, and Contribution to Modern Prose</p>	
		<p>3.9.Detailed Study of Huxley's "The Divine Within" (Chapters 1-2)</p> <p>3.10.Themes of Spirituality and Human Potential in Huxley's Work</p> <p>3.11.Comparison of Gardiner's, Lynd's, and Huxley's Views on Society and Humanity</p> <p>3.12.Modernist and Post-Modernist Elements in Gardiner's, Lynd's, and Huxley's Essays</p> <p>3.13.Literary Criticism of Gardiner's, Lynd's, and Huxley's Prose</p> <p>3.14.Influence of Modern Period Prose on Contemporary Writers</p> <p>3.15.Evolution of Prose Style and Themes from the Early Modern to Modern Period</p>	

CO4. Develop language and communication skills and creativity.



Approximate Hours

Item	Appx Hours
CI	15
LI	0
SW	01
SL	01
Total	20

Session Outcomes (SOs)	(LI)	Classroom Instruction (CI)	(SL)
<p>SO1.1. Explore the key principles of Renaissance humanism and their impact on the development of prose as a vehicle for humanist ideas.</p> <p>SO1.2. Examine Michel de Montaigne's biography,</p>		<p>Unit-4: Political Writing</p> <p>4.1. Introduction to Political Writings and Their Significance</p> <p>4.2. Nelson Mandela: Biography and Political Legacy</p> <p>4.3. Analysis of Mandela's Autobiography "Long Walk to Freedom"</p>	



<p>including his upbringing, education, and intellectual influences.</p> <p>SO1.3.Evaluate Montaigne's major themes and philosophical perspectives as expressed through his essays, such as skepticism, self-reflection, and cultural relativism.</p>	<p>4.4.Themes of Freedom, Justice, and Leadership in Mandela's Narrative</p> <p>4.5.Rajmohan Gandhi: Life and Contributions to Political Thought</p> <p>4.6.Examination of Gandhi's Essay "Why Gandhi Still Matters"</p> <p>4.7.Gandhi's Reflections on Nonviolence and Civil Disobedience</p> <p>4.8.Comparison of Mandela's and Gandhi's Approaches to Political Change</p> <p>4.9.Impact of Mandela's and Gandhi's Ideas on Global Movements</p> <p>4.10.Themes of Resilience and Perseverance in Mandela's Journey</p> <p>4.11.Historical Context of Apartheid and Indian Independence Movements</p> <p>4.12.Literary Criticism of Mandela's and Gandhi's Political Writings</p> <p>4.13.Influence of Mandela's and Gandhi's Ideas on Contemporary Politics</p> <p>4.14.The Role of Personal Narrative in Political Advocacy</p> <p>4.15.Evolution of Political Writing from Autobiography to Political Theory</p>	
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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (SI)	Total hour (Cl+SW+SI)
CO1.Analyze literary devices, forms and techniques in order to appreciate and interpret the text.	15			15



CO2. Broaden analytical skills and develop critical thinking skills.	15			15
CO3. Cultivate wisdom and world-view within themselves.	15			15
CO4. Develop language and communication skills and creativity.	15			15
CO5	0			0
Total Hours	60			60

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Early Prose Writers				
CO-2	Eighteenth/Nineteenth Century Prose				
CO-3	Prose in Modern Period				
CO-4	Political Writing				
Total					

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Principles of Public Administration will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

31. Improved Lecture
32. Tutorial
33. Case Method
34. Group Discussion
35. Brainstorming



Suggested Learning Resources:

(g) Books:

1. Binyon, Laurence. "Nineteenth Century Prose". Forgotten Books, 2018.
2. Gandhi, Rajmohan. Why Gandhi Still Matters: An Appraisal of the Mahatma's Legacy. Aleph Book Company, 2017.
3. Huxley, Aldous, and Huston Smith. "The Divine Within: Selected Writings on Enlightenment". Harper Perennial Modern Classics, 2013.
4. Mandela, Nelson. "Long Walk to Freedom". Abacus Publication, 1995.

Suggestive digital platform web links

1. Addison, Joseph. "The Spectator's Account Of Himself." Ourcivilisation.Com, www.ourcivilisation.com/smartboard/shop/fowlerjh/chap6.htm. Accessed 18 Jan. 2022.
2. Addison, Joseph. "Sir Roger at Church." Ourdecline.Com, www.ourdecline.com/smartboard/shop/fowlerjh/chap15.htm. Accessed 18 Jan. 2022.
3. Bacon, Francis. "I. Of Truth. Francis Bacon. 1909-14. Essays." Bartleby, www.bartleby.com/3/1/1.html. Accessed 18 Jan. 2022.
4. "Charles Lamb: Essays." GradeSaver, 8 Oct. 2021, www.gradesaver.com/charles-lamb-essays/study-guide/summary-dreamchildren-a-reverie.
5. "Eighteenth Century Prose." Bachelorandmaster: Com, 2016,

13.222 DGS Gautam

www.bachelorandmaster.com/englishperiods/eighteenth-century-prose.html.

6. Gardiner, AG. "The Project Gutenberg EBook of Leaves in the Wind, by A. G. Gardiner." Project Gutenberg, 2011, www.gutenberg.org/files/37858/37858-h/37858-h.htm.
7. Hazlitt, William. "On the Ignorance of the Learned." OurCivilisation.Com, www.ourcivilisation.com/smartboard/shop/hazlittw/ignrnc.htm. Accessed 18 Jan. 2022.
8. Hazlitt. "THE INDIAN JUGGLERS." Juggling.Org, www.juggling.org/papers/hazlitt. Accessed 18 Jan. 2022.
9. Montaigne. "Essays of Michel de Montaigne." Project Gutenberg,



www.gutenberg.org/files/3600/3600-h/3600-h.htm. Accessed 18 Jan. 2022.

10. Nordquist, Richard. "Francis Bacon's Classic Essay Of Studies." ThoughtCo, 2020, www.thoughtco.com/of-studies-by-francis-bacon-1688771#:~:text=%22Studies%20serve%20for%20delight%2C%20for.judgment%20and%20disposition%20of%20business.

11. Nordquist, Richard. "Robert Lynd's Essay on the Pleasures of Ignorance." ThoughtCo, 6 Nov. 2019, www.thoughtco.com/pleasures-of-ignorance-by-robert-lynd-1690173.

12. Nordquist, Richard. "'The Character of the Man in Black' by Oliver Goldsmith." ThoughtCo, 2019, www.thoughtco.com/character-of-the-man-in-black-1690140.

13. "Prose - English Literature." Britannica, www.britannica.com/art/English-literature/Prose. Accessed 18 Jan. 2022.

14. "Prose: Forgetting English Prose: Forgetting by Robert Lynd." BrainKart, 20 June 2018, www.brainkart.com/article/Prose--Forgetting_34360.

15. Roy, Hareshwar. "On the Rule of the Road - A.G. Gardiner." English Literature Mail, 14 June 2020, www.englitmail.com/2020/06/on-rule-of-road-ag-gardiner_14.html. **CO-PO**

Mapping:

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
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Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Pr o g r a m e p r o v i d e s t h e b a s e t o b e t h e r e s p o n s i b l e c i t i z e n .	E n v i r o n m e n t a n d s u s t a i n a b i l i t y	E t h i c s	I n d i v i d u a l a n d t e a m w o r k	C o m m u n i c a t i o n	P r o j e c t m a n a g e m e n t a n d f i n a n c e	L i f e l o n g l e a r n i n g	Students will develop an ability to read texts in relation to their historical and cultural contexts	Develop the skills needed to succeed in competitive examinations to enhance job opportunities in various fields related to officers, teaching, Guide, archives, museum s.	Students will develop an appreciation of how the formal elements of Language and Genre shape meaning
CO1	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
CO2	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
CO3	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3
CO4	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3
CO5	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3

Course Curriculum Map



POs& PSO/ *-No.	Cos No.&Titles	SOsNo.	Laboratory Instruction (LI)	Classroom Instruction(CI)	Self Learning (SL)
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO:1,2, 3	CO- 1: Analyze literary devices, forms and techniques in order to appreciate and interpret the text	SO1:1 SO1.2 SO1.3 SO1.4 SO1.5		Unit-1-Early Prose Writers 1.1,1.2,1.3,1.4,1.5,1.6,1.7, 1.8,1.9,1.10,1.11,1.12,1.13,1.14,1.15	As Mentioned in Page no. _____ to _____
PO: 1,2,3,4, 5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 2: Broaden analytical skills and develop critical thinking skills.	SO2:1 SO2.2 SO2.3 SO2.4 SO2.5		UNIT- 2 Eighteenth/Nineteenth Century Prose2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,2.12,2.13,2.14,2.15	
PO: 1,2,3,4, 5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 3: Cultivate wisdom and world-view within themselves	SO3:1 SO3.2 SO3.3 SO3.4 SO3.5		Unit-3: Prose in Modern Period3.1,3.2,3.3,3.4,3.5,3.6, 3.7,3.8,3.9,3.10,3.11,3.12,3.13,3.14,3.15	
PO: 1,2,3,4, 5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 4: Develop language and communication skills and creativity.	SO4:1 SO4.2 SO4.3 SO4.4 SO4.5		Unit-4: Political Writing4.1,4.2,4.3, 4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13,4.14,4.15,	



Course Code: 01SO301

Course Title : Basic Concepts of Social Research

Pre-requisite: Student should have basic knowledge of Basic Concepts of Social Research

Rationale: To Introduce Students to the Nature of Scientific Method in Social Science Research. To give Students the Understanding about the Students are able to understand Nature of Scientific Method in Social Science Research. Quantitative and quantitative and qualitative approach to Research. To enhance the Research interests and inculcate the Spirit of inquiry among students, who may be motivated to continue higher studies in Research

Course Outcomes:

CO.1: Understand meaning, scope, types and significance of Social Research, its scientific methods and the research processes

CO.2: - Know how to collect, analyze data, presentation and interpretation of data also able to write a qualitative and quantitative field report writing with different statistical analysis, classification and tabulation

CO.3: To give Students the Understanding about the Students are able to understand Nature of Scientific Method in Social Science Research. Quantitative and qualitative approach to Research.

CO.4: They understand the importance of research in social science. Student learns that research methods are universal and not bound by cultural location

CO.5: Understand meaning, scope, types and significance of Social Research, its scientific methods and the research processes.

Scheme of Studies:



Course Credits	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
	01SO301	Basic Concepts of Social Research	6	0	02	01	6	6

Legend: CI: Class room Instruction (Includes different instructional strategies. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (include esassignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Course Credits	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment	Total Marks
			Progressive Assessment (PRA)						Total Marks		
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CA T)	Class Attendance (AT)	(CA+CT+SA+AT)			
	01SO301	Basic Concepts of Social Research	15	20	5	5	5	50	50	100	

Course-Curriculum Detailing:



This course curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO.1: Understand meaning, scope, types and significance of Social Research, its scientific methods and the research processes.

Approximate Hours

Item	Appx Hrs.
CI	18
LI	0
SW	02
SL	01
Total	21

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
<p>SO1.1 Understand Emergence of Social Research in India</p> <p>SO1.2 Understand the Concept of Scientific Method</p> <p>SO1.3 Understand the concept Social Research,</p> <p>SO1.4 Understand the concept Social Survey</p> <p>SO1.5 Understand the concept Hypothesis</p>		<p>Unit 1 Social Research and Survey 1.1 Emergence of Social Research in India 1.2 Concept of Scientific Method 1.3 Interdisciplinary Approach 1.4 Social Research, 1.5 Concept and Objectives, 1.6 Types 1.7 Importance Steps of Social Research 1.8 Social Survey , 1.9 Concept, 1.10 Types 1.11 Difference Between Social Research and Social Survey 1.12 Hypothesis, Concept, 1.13 Sources of Hypothesis 1.14 Problems in Formulation of Hypothesis, 1.15 Importance 1.16 Major Social Research and 1.17 Social Survey Institutes in India 1.18 New Dimensions of Social Research</p>	

CO.2: - Know how to collect, analyze data, presentation and interpretation of data also able to write a qualitative and quantitative field report writing with different statistical analysis, classification and tabulation

Approximate Hours

Item	Appx Hours
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CI	18
LI	0
SW	02
SL	01
Total	21

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
<p>SO2.1 Concept of Sources and Techniques of Data Collection</p> <p>SO2.2 Understanding about the Methods and Techniques of Data Collection</p> <p>SO2.3 Understanding about the Questionnaire</p> <p>SO2.4 Understanding the concept Schedule</p>	.	<p>Unit - II Sources and Techniques of Data Collection 2.1 Data, 2.2 Concept, 2.3 Types 2.4 Sources: Primary and Secondary 2.5 Methods and Techniques of Data Collection 2.6 Census Method: Concept 2.7 Sampling Method, 2.8 Concept, 2.9 Types of Sampling 2.10 Utility 2.11 Limitations 2.12 Questionnaire, Concept, Types 2.13 Formulation of Questionnaire Utility 2.14 Limitations 2.15 Schedule, 2.16 Concept, Types 2.17 Utility and Limitations 2.18 Difference Between Questionnaire and Schedule</p>	

CO.3: To give Students the Understanding about the Students are able to understand Nature of Scientific Method in Social Science Research. Quantitative and qualitative approach to Research.

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	02
SL	01
Total	21

CO.4: They understand the importance of research in social science. Student learns that research methods are universal and not bound by cultural location



Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	02
SL	01
Total	21

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
SO4.1 Understanding about Session Outcomes (SOs)	Concept of (LI)	. Unit - Class room Instruction IV	
SO4.2 Objectivity, Reliability and Validity (SOs)		Analysis and Interpretation of Data (CI)	
SO3.1 Knowledge about the Concept Meaning and concept of of . Editing, Coding and Classification Observation		Unit 4.1- III Interpretation of Data Methods and Techniques of Data Collection 4.2	
SO4.3 SO3.2 Knowledge about the Tabulat Understanding Concept ion		Concept of Objectivity, 3.1 Observation, 4.3 Analysis	
SO4.4 Interview Knowledge about the Report Writing		3.2 Concept, 4.4 Reliability 3.3 Type 4.5 Validity 3.4 Utility 4.6 Concept of Editing, 3.5 Limitations 4.7 Coding	
SO3.3 Understanding the Case Study		3.6 Interview, 4.8 Classification	
SO4.5 Method Knowledge about Analysis and		3.7 Concept 4.9 Tabulation, 3.8 Types 4.10 Concept	
SO3.4 Interpretation of Data Understanding about		3.9 Utility 3.10 4.11 Limitations Rules of Tabulation	
Sociometry		3.11 4.12 Case Study Method, Types of	
SO3.5 Understanding about Content Analysis		Tabulation Utility 3.12 4.13 Concept Limitations, 3.13 4.14 Basic Assumptions Report Writing 3.14 4.15 Tools and Techniques of Case Content Study 4.16 Method Steps of Report Writing 3.15 4.17 Utility and Limitations Problems of Report written,	



3.16 4.18 Sociometry, Concept, History
Importance

3.17 Utility and Limitations
3.18 Content Analysis, Concept

CO.5: Understand meaning, scope, types and significance of Social Research, its scientific methods and the research processes.

Approximate Hours

LI	0
SW	02
SL	01
Total	21
Item	Appx Hours
CI	18

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (CI)	Sessional Work (SW)	Self Learning (SI)	Total hour (CI+SW+SI)
<p>Session Outcomes (SOs)</p> <p>SO5.1 Understand about the Concept of Statistica</p> <p>SO5.2 Preparation of necessary Utility and Limitations of Statistics In Social Research</p> <p>SO5.3 Preparation of necessary Measures of Central Tendency</p> <p>SO5.4 Understanding about Mean, Median and Mode</p> <p>SO5.5 Understanding about Diagrammatic Presentation</p>	(LI)	Class room Instruction (CI)	(SL)	
		<p>Unit – V Use of Statistics in Social Research 5.1 Concept of Statistica 5.2 Utility and Limitations of Statistics In Social Research 5.3 Measures of Central Tendency, 5.4 Concept, 5.5 Importance 5.6 Mean, 5.7 Median 5.8 Mode 5.9 Concept ,Calculation, 5.10 Practical Usage 5.11 Merits 5.12 Demerits 5.13 Diagrammatic Presentation 5.14 Rules of Making Diagram 5.15 Types of Diagrams 5.16 Utility and Limitations of Diagrams 5.17 Use of Computer in Social Research 5.18 SPSS An Introduction</p>		
CO.1: Understand meaning, scope, types and significance of Social Research, its scientific methods and the research processes.	18	02	01	21



CO.2: Know how to collect, analyze data, presentation and interpretation of data also able to write a qualitative and quantitative field report writing with different statistical analysis, classification and tabulation	18	02	01	21
CO.3: To give Students the Understanding about the Students are able to understand Nature of Scientific Method in Social Science Research. quantitative and quantitative and qualitative approach to Research	18	02	01	21
CO.4: They understand the importance of research in social science. Student learns that research methods are universal and not bound by cultural location	18	02	01	21
CO.5: Understand meaning, scope, types and significance of Social Research, its scientific methods and the research processes.	18	02	01	21
Total Hours	90	10	05	105

Suggestion for End Semester Assessment Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Social Research and Survey	01	01	03	05
CO-2	Sources and Techniques of Data Collection	01	01	03	05
CO-3	Methods and Techniques of Data Collection	-	03	10	13
CO-4	Analysis and Interpretation of Data	-	03	10	13
CO-5	Use of Statistics in Social Research	01	03	10	14
Total		03	12	36	50

Legend: R: Remember, U: Understand, a: Apply

The end of semester assessment for Basic Concepts of Social Research will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wiseteachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

36. ImprovedLecture
37. Tutorial
38. CaseMethod
39. GroupDiscussion
40. Brainstorming

Suggested Learning Resources:



(h) Books:

S.No.	Title	Author	Publisher	Edition& Year
1	Social Research and Survey	Bajpai, S.R.	Kitab Ghar, New Delhi, India	Revised edition edition 2018
2	Methodology and Techniques of Social Research,	Bhandarkar, P.L. and Wilkinson, T.S.	Himalaya Publishing House, Mumbai, Indian	Revised edition edition 2003
3	Methods in Social Research,	Goode, W.J. and Hatt, P.K.	Surjeet Publications, New Delhi, India	Revised edition edition 2006
Dr. Pushpa Soni Dept. of Arts AKS University, Satna.				

Curriculum Development Team:

15. Dr. Pushpa Soni, Assistant Professor, Department of Arts
16. Mrs. prachi singh, Teaching associate, Department of Arts
17. Mr. Gaurav Singh , Assistant Professor, Department of Arts
18. Mr. Rajeev Bairagi, Assistant Professor
19. Dr. Usha Dwivedi , Assistant Professor, Department of Arts
20. Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts
21. Dr. Udaybhan Singh, Assistant Professor , Department of Arts

CO-PO Mapping:

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Program Outcomes	The students acquire knowledge in the field of social sciences, literature and The B.A. graduates will be acquainted with the social, economical, historical, The program also empowers the graduates to appear for various	The B. A. program enables the students to acquire the knowledge	The students will be ignited enough to think and act over for the solution of various Programme provides the base to be the responsible citizen.	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Students will be able to Develop the socio logical knowledge and skills.	Students will be able to think critically about society and social issues	To Provide the students to understand various culture religion and society in			
CO1	3	3	3	2	2	2	1	2	3	3	3	3	3	2	2
CO2	2	3	3	2	2	2	1	2	2	2	2	3	2	1	2
CO3	2	3	2	2	1	2	1	1	2	2	2	2	3	2	3
CO4	3	3	2	2	2	2	1	2	1	2	1	2	2	1	2
CO5	3	3	2	2	1	2	1	1	2	2	2	3	3	2	2

Course Curriculum Map



POs & PSOs -No.	COs No. & Titles	Sos No.	Laboratory Instruction (LI)	Class room Instruction (CI)	Self Learning (SL)
PO: 1,2,3,4,5,6,7,8,9,10,11,12 PSO:1,2,3	CO.1: Understand meaning, scope, types and significance of Social Research, its scientific methods and the research processes.	SO1:1 SO1:2 SO1:3 SO1:4 SO1:5		Unit-1 Social Research and Survey 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18	As Mentioned in Page no. _____ to _____
PO: 1,2,3,4,5,6,7,8,9,10,11,12 PSO: 1,2,3	CO.2: Know how to collect, analyze data, presentation and interpretation of data also able to write a qualitative and quantitative field report writing with different statistical analysis, classification and tabulation	SO2:1 SO2:2 SO2:3 SO2:4		Unit-2 Sources and Techniques of Data Collection 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,2.12,2.13,2.14,2.15,2.16,2.17,2.18	
PO: 1,2,3,4,5,6,7,8,9,10,11,12 PSO: 1,2,3	CO.3: To give Students the Understanding about the Students are able to understand Nature of Scientific Method in Social Science Research. quantitative and qualitative and qualitative approach to Research	SO3:1 SO3:2 SO3:3 SO3:4 SO3:5		Unit-3: Methods and Techniques of Data Collection 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,3.12,3.13,3.14,3.15,3.16,3.17,3.18	
PO: 1,2,3,4,5,6,7,8,9,10,11,12 PSO: 1,2,3	CO.4: They understand the importance of research in social science. Student learns that research methods are universal and not bound by cultural location	SO4:1 SO4:2 SO4:3 SO4:4 SO4:5		Unit-4: Analysis and Interpretation of Data 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13,4.14,4.15,4.16,4.17,4.18	
PO: 1,2,3,4,5,6,7,8,9,10,11,12 PSO: 1,2,3	CO.5: Understand meaning, scope, types and significance of Social Research, its scientific methods and the research processes.	SO5:1 SO5:2 SO5:3 SO5:4 SO5:5		Unit5: Use of Statistics in Social Research 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11,5.12,5.13,5.14,5.15,5.16,5.17,5.18	



Curriculum of BA Political Science

(Revised as on 01.08.2023)

Semester-3rd

Course Code: 01PO301

Course Title : Western Political Thoughts

Pre- requisite: To study this course , a student must have passed a certificate course in first year.

Rationale: It is about Political Theory, The students will understand the significance of study of Political Philosophy.. The students will know the key ideas of Greek Political thinkers Plato and Aristotle. They will be able to explain what was the ideal state according to Plato and how was it linked to his scheme of education and theory of justice. They will be able to answer how Aristotle differed from his master Plato on the conception of justice.

They will be able to answer why Machiavelli is called the child of his age. They will be able to answer how and why Machiavelli gave an overriding priority to pragmatism above ethics and values in operation of statecraft.. They will be able to make a distinction among Hobbes, Locke, and Rousseau on the state of nature, the law of nature, nature and form of contract and the emergence of state from the contract.

Course Outcomes:

CO1. The students will understand the significance of study of Political Philosophy.. The students will know the key ideas of Greek Political thinkers Plato and Aristotle. They will be able to explain what was the ideal state according to Plato and how was it linked to his scheme of education and theory of justice. They will be able to answer how Aristotle differed from his master Plato on the conception of justice.

CO2. They will be able to answer why Machiavelli is called the child of his age. They will be able to answer how and why Machiavelli gave an overriding priority to pragmatism above ethics and values in operation of statecraft.. They will be able to make a distinction among Hobbes, Locke, and Rousseau on the state of nature, the law of nature, nature and form of contract and the emergence of state from the contract.

CO3. they will be able to understand the philosophy of utilitarianism.

CO4. Students would learn the key ideas of idealist thinkers.

CO5. Students would learn the key ideas in Marxism and will be able to answer the Socialist and communist tradition after Marx in Political ideas of Lenin and Laski.



AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of BA Political Science
 (Revised as on 01.08.2023)

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
Program Core	01PO301	Western Political Thoughts	6	0	0	0	6	6

Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),
LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)
SW: Sessional Work (includes assignment, seminar, mini project etc.),
SL: Self Learning, **C:**Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)		
			Progressive Assessment (PRA)	End Semester	Total Marks



			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Semi nar one (SA)	Clas s Acti vity any one (CAT)	Class Attendanc e (AT)	Total Marks (CA+CT+SA +CAT+AT)	Assessme nt (ESA)	(PRA + ESA)
Progra m core	01P O301	Wester n Politica l Thoughts	15	20	5	5	5	50	50	100

AKS University

Faculty of Social Science and Humanities

Department of Arts


Curriculum of BA Political Science

(Revised as on 01.08.2023)

Course-Curriculum Detailing:

This course Curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO1: The students will understand the significance of study of Political Philosophy.. The students will know the key ideas of Greek Political thinkers Plato and Aristotle. They will be able to explain what was the ideal state according to Plato and how was it linked to his scheme of education and theory of justice. They will be able to answer how Aristotle differed from his master Plato on the conception of justice.

A K S University 
Faculty of *Social Science and Humanities*
Department of Arts
Curriculum of BA Computer Program
 (Revised as on 01 August 2023)

Approximate Hours

Item	Appx Hrs.
CI	18
LI	0
SW	0
SL	0
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO1.1 Understand the Plato'S.</p> <p>SO1.2 We will understand the Theory of Justice.</p> <p>SO1.3 Understand the Theory of Education,Theory of Communism, Philosopher King,The Ideal State.</p> <p>SO1.4 Will understand Aristotle's views.</p> <p>SO1.5 Will understand the State, Slavery, Citizenship .</p>	<p>Unit-1.0 : Greek Political Thought</p> <p>1.1. Introduction of Greek Political Thought</p> <p>1.2. Feature of Greek Political Thought</p> <p>1.3. Contribution of Greek Political Thought</p> <p>1.4. Introduction of Plato</p> <p>1.5. Contribution of Plato ideas</p> <p>1.6. Theory of Justice</p> <p>1.7. Theory of Education</p> <p>1.8. Theory of Communism</p> <p>1.9. Philosopher King</p> <p>1.10. The Ideal State</p> <p>1.11. Introduction of Aristotle's</p> <p>1.12. Contribution of Aristotle's ideas 1.13.</p> <p>Aristotle's views on:</p> <p>1.14. State,</p> <p>1.15. Slavery</p> <p>1.16. Citizenship</p> <p>1.17. Classification of Government</p> <p>1.18. Revolution.</p>
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CO 2: They will be able to answer why Machiavelli is called the child of his age. They will be able to answer how and why Machiavelli gave an overriding priority to pragmatism above ethics and values in operation of statecraft.. They will be able to make a distinction among Hobbes, Locke, and Rousseau on the state of nature, the law of nature, nature and form of contract and the emergence of state from the contract.

Approximate Hours

Item	Appx Hours
CI	20
LI	0
SW	0
SL	0
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO2.1 Will know the Niccolò Machiavelli.</p> <p>SO2.2 Will understand the First Modern Political Thinker: The child of his time.</p> <p>SO2.3 Will know about Thomas Hobbes.</p> <p>SO2.4 You will gain knowledge of the John Locke.</p> <p>SO2.5 Will gain knowledge of Jean-Jacques Rousseau.</p>		<p>Unit 2.0, Modern Political Thought</p> <p>2.1.Introduction of Modern Political Thought</p> <p>2.2.Feature of Modern Political Thought</p> <p>2.3.Contribution of Modern Political Thought</p> <p>2.4.Introduction of Niccolò Machiavelli</p> <p>2.5.Contribution of Niccolò Machiavelli ideas</p> <p>2.6.First Modern Political Thinker: The child of his time</p> <p>2.7.Conception of Human Nature</p> <p>2.8.Thoughts about Religion and Morality</p> <p>2.9.Ideas on the Prince</p> <p>2.10.Introduction of Thomas Hobbes</p> <p>2.11.Contribution of Thomas Hobbes ideas</p> <p>2.12.Social Contract Theory</p> <p>2.13.Individualism</p> <p>2.14.John Locke</p> <p>2.15.Social Contract Theory</p> <p>2.16.Theory of Natural Rights</p> <p>2.17.Liberalism</p> <p>2.18.Jean-Jacques Rousseau</p> <p>2.19.Social Contract Theory</p> <p>2.20. Theory of General Will</p>	
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CO 3:They will be able to understand the philosophy of utilitarianism.

Approximate Hours

Item	Appx Hours
CI	16
LI	0
SW	0
SL	0
Total	16

<p>Session Outcomes (SOs)</p>	<p>(LI)</p>	<p>Class room Instruction (CI)</p>	<p>(SL)</p>
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<p>SO3.1 Understanding Philosophy of Utilitarianism.</p> <p>SO3.2 Understanding Natural laws and Rights and Theory of Statcand Legislation.</p> <p>SO3.3 will also understand John Stuart Mill .</p> <p>SO3.4 Will gain knowledge of Views on Liberty.</p> <p>SO3.5 Also understand Representative Government.</p>	<p>Unit-3: Philosophy of Utilitarianism</p> <p>1.1. Introduction of Philosophy of Utilitarianism</p> <p>1.2. Feature of Philosophy of Utilitarianism</p> <p>1.3. Contribution of Philosophy of Utilitarianism</p> <p>1.4. Introduction of Jeremy Bentham</p> <p>1.5. Contribution of Jeremy Bentham ideas</p> <p>1.6. Utilitarianism</p> <p>1.7. Natural laws and Rights</p> <p>1.8. Theory of Statcand Legislation</p> <p>1.9. Theory of Punishment and Reform (Prison, Government, Law, Education and Religion)</p> <p>1.10. Contribution to Political Thought</p> <p>1.11. Introduction of John Stuart Mill</p> <p>1.12. Contribution of John Stuart Mill ideas</p> <p>1.13. Alteration in Utilitarianism</p> <p>1.14. Views on Liberty</p> <p>1.15. Representative Government</p> <p>1.16. Contribution to Political Thought</p>
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CO 4: Students would learn the key ideas of idealist thinkers.

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	0
SL	0
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO4.1 Understanding Idealism in Political Philosophy.</p> <p>SO4. Understanding the Philosophy of Ethics.</p> <p>SO4.. Understanding George W.F. Hegel.</p> <p>SO4. Also understand Thomas Hill Green.</p>	<p>Unit-4 : Idealism in Political Philosophy</p> <p>4.1.Introduction of Idealism in Political Philosophy</p> <p>4.2.Feature of Idealism in Political Philosophy</p> <p>4.3.Contribution of Idealism in Political Philosophy</p> <p>4.4.Introduction of Immanuel Kant</p> <p>4.6.Contribution of Immanuel Kant ideas</p> <p>4.7.Philosophy of Ethics</p> <p>4.8..Views on theory of State,</p> <p>4.9.Forms of Government</p> <p>4.10.International peace</p> <p>4.11.Introduction of George W.F. Hegel</p>
	<p>4.12.Feature of George W.F. Hegel</p> <p>4.13.Contribution of George W.F. Hegel ideas</p> <p>4.14.Dialectical Method</p> <p>4.15.Views on Nation State, Internationalism and War</p> <p>4.16.Views on Government and Constitution</p> <p>4.17.Thomas Hill Green</p> <p>4.18.Views on Freedom</p>

CO 5: Students would learn the key ideas in Marxism and will be able to answer the Socialist and communist tradition after Marx in Political ideas of Lenin and Laski.

Item	Appx Hours
CI	18
LI	0
SW	0
SL	0
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO5.1 Will know about the Scientific Socialism .</p> <p>SO5.2 Will understand the Theory of Surplus Value.</p> <p>SO5.3 Will know about Development of Marxist Theory.</p> <p>SO5. 4 will also understand Harold J. Laski.</p>	<p style="text-align: center;">□ Unit 5: Karl Marx- Scientific Socialism</p> <p>5.1.Introduction of Karl Marx- Scientific Socialism</p> <p>5.2.Contribution of Karl Marx- Scientific Socialism ideas</p> <p>5.3.Dialectical Materialism</p> <p>5.4.Economic Interpretation of History</p> <p>5.5.Theory of Class Struggle</p> <p>5.6.Theory of Surplus Value</p> <p>5.7.Introduction of Vladimir Lenin</p> <p>5.8.Contribution of Vladimir Lenin</p> <p>5.9.Development of Marxist Theory</p> <p>5.10.As a revolutionary</p> <p>5.11. Introduction of Harold J. Laski</p> <p>5.12.Contribution of Harold J. Laski ideas</p> <p>5.13.Views on Liberty,</p> <p>5.14.Views on Rights</p> <p>5.15. Views on equality</p> <p>5.16.Democratic Socialism</p> <p>5.17 Social ideas of Harold J. Laski</p> <p>5.18 Political ideas of Harold J. Laski</p>
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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+Sl)
CO 1: The students will understand the significance of study of Political Philosophy.. The students will know the key ideas of Greek Political thinkers Plato and Aristotle. They will be able to explain what was the ideal state according to Plato and how was it linked to his scheme of education and theory of justice. They will be able to answer how Aristotle differed from his master Plato on the conception of justice.	18	0	0	18
CO 2: They will be able to answer why Machiavelli is called the child of his age. They will be able to answer how and why Machiavelli gave an overriding priority to pragmatism above ethics and values in operation of statecraft.. They will be able to make a distinction among Hobbes, Locke, and Rousseau on the state of nature, the law of nature, nature and form of contract and the emergence of state from the contract.	20	0	0	20
CO 3: . they will be able to undertand tha philosophy of utilitarianism.	16	0	0	16



CO 4: Students would learn the key ideas of idealist thinkers.	18	0	0	18
CO 5: Students would learn the key ideas in Marxism and will be able to answer the Socialist and communist tradition after Marx in Political ideas of Lenin and Laski.	18	0	0	18
Total Hours	90	00	00	18

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Greek Political Thought	01	01	03	05
CO-2	Modern Political Thought	01	01	03	05
CO-3	Philosophy of Utilitarianism	-	03	10	13
CO-4	Idealism in Political Philosophy	-	03	10	13
CO-5	Karl Marx- Scientific Socialism	01	03	10	14
Total		03	12	36	50

Legend: **R: Remember,** **U: Understand,** **A: Apply**

The end of semester assessment for Western Political Thoughts
 Will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks.
 Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

41. Improved Lecture
 42. Tutorial
 43. Case Method
 44. Group Discussion
 45. Brainstorming
- Suggested Learning Resources:**

(a) Books :

S. No.	Title	Author	Publisher	Edition & Year
1	Political science	Dr. j c johary	SBPD PUBLICATION	2021-2022



2.	Western Political Thought	O.P. Gauba	Mayur Paperbacks Noida.	(2019),
3.	<p>Curriculum Development Team:</p> <p>1-Mr. Gaurav Singh , Assistant Professor, Department of Arts 2-Mr, Rajeev Bairagi, Assistant Professor 3- Mrs Prachi Singh , Teaching Associate , Department of Arts 3-Dr.Pushpa Soni,Assistant Professor, Department of Arts 4-Dr. Usha Dwivedi ,Assistant Professor, Department of Arts 5-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts 6-Dr.Udaybhan Singh, Assistant Professor , Department of Art</p>			

CO-PO Mapping:

PO NO.	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO 8	PO9	PO1 0	PO1 1	PO 12	PSO 1	PSO2	PSO3
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Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Program provides the basic to be the responsible citizen.	Environment and sustainability	Ethics	Individual and teamwork	Communication	Project management and finance	Lifelong learning	Students will understand the need for a constitution and explain the role of constitution in a democratic society.	Students will be able to explain the Governmental mechanism from Gram panchayat to Parliament and can suggest solutions over various issues in its functioning and implementation.	Students will use various political concepts and ideology to analyze new situations.
CO1	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
CO2	2	3	3	2	1	3	2	1	2	1	1	3	2	3	3



CO3	3	3	2	2	2	2	1	1	1	1	1	3	3	3	3
CO4	3	2	2	3	1	2	1	1	2	2	1	3	3	3	3
CO5	3	3	2	2	2	2	1	1	1	1	1	3	3	3	3

Course Curriculum Map

Pos & PSOs /*-No.	Cos No.& Titles	SOs No.	Lab oratory Instr ucti on(LI)	Classroom Instruction(CI)	Self Learning(SL)
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<p>PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO:1,2, 3</p>	<p>CO- 1: The students will understand the significance of study of Political Philosophy.. The students will know the key ideas of Greek Political thinkers Plato and Aristotle. They will be able to explain what was the ideal state according to Plato and how was it linked to his scheme of education and theory of justice. They will be able to answer how Aristotle differed from his master Plato on the conception of</p>	<p>SO1:1 SO1.2 SO1.3 SO1.4 SO1.5</p>		<p>Unit-1.0 Greek Political Thought 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18</p>	<p>As Mention ed in Page no. _____ to _____</p>
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	<p>justice.</p>				
<p>PO: 1,2,3,4, 5,6,7, 8,9,10, 11,12 PSO: 1,2,3</p>	<p>CO- 2: They will be able to answer why Machiavelli is called the child of his age. They will be able to answer how and why Machiavelli gave an overriding priority to pragmatism above ethics and values in operation of statecraft.. They will be able to make a distinction among Hobbes, Locke, and Rousseau on the state of nature, the law of nature, nature and form of contract and the emergence of state from the contract.</p>	<p>SO2:1 SO2.2 SO2.3 SO2.4 SO2.5</p>		<p>Unit-2 Modern Political Thought 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,2.12,2.13,2.14,2.15,2.16,2.17,2.18,2.19,2.20</p>	



PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 3: they will be able to understand the philosophy of utilitarianism.	SO3:1 SO3.2 SO3.3 SO3.4 SO3.5		Unit-3: Philosophy of Utilitarianism 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,3.12,3.13,3.14,3.15,3.16
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 4: Students would learn the key ideas of idealist thinkers.	SO4:1 SO4.2 SO4.3 SO4.4 SO4.5		Unit-4: Idealism in Political Philosophy 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13,4.14,4.15,4.16,4.17,4.18,4.18
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 5: Students would learn the key ideas in Marxism and will be able to answer the Socialist and communist tradition after Marx in Political ideas of Lenin and Laski.	SO5:1 SO5.2 SO5.3 SO5.4 SO5.5		Unit5: Karl Marx- Scientific Socialism 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11,5.12,5.13,5.14,5.15,5.16,5.17,5.18

Course Code:

0SE401

Course Title :

Web Designing

Pre-requisite:

Student should have basic knowledge of computer.



Rationale:

Study of this subject will develop different skills in students to create and manage the websites. Concepts like Html, CSS and JavaScript will help to develop front end static and dynamic web pages design of website.

Course Outcomes:

On successful completion of this course, the students will be able to:

- CO 1. Have knowledge of HTML, its essential tags, Attributes, Text styles, Links to External Documents and different sections of a HTML page.
- CO 2. Develop skills to generate HTML and CSS page and have knowledge of JavaScript assisted style sheets.
- CO 3. Have knowledge of CSS, CSS Syntax, Comments, Level of CSS, Embedding HTML in CSS, JavaScript pre-defined and used defined.
- CO 4. Have knowledge of functions of PHP Fundamentals of PHP.
- CO 5. Develop skills to generate Static and dynamic application designing, Google form designing.

Scheme of Studies:

Course Category	Course Code	Course Title	Scheme of studies(Hours/Week)					Total Credits(C)
			CI	LI	SW	SL	Total Study Hours(CI+LI+SW+SL)	
	0SE401	Web Designing	3	1	1	1	7	4

Legend:

CI: Class room Instruction (Includes different instructional strategies i.e. Lecture(L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Scheme of Assessment:

Theory


		Course	Scheme of Assessment (Marks)
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Course Category	Course Code	Title	Progressive Assessment (PRA)					End Semester Assessment (ESA)	Total Marks PRA (ESA)
			Class/Home Assignment 5 number marks each (CA)	Class Test 2 best out of 3 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)		
401 SE	Web Designing	15	20	5	5	5	50	50	100

Course-Curriculum Detailing:

This course Curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

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CO1: Have knowledge of HTML, its essential tags, Attributes, Text styles, Links to External Documents and different sections of a HTML page.

Approximate Hours

Item	AppX Hrs
CI	09
LI	03
SW	02
SL	01
Total	15

Session Outcomes (SOs)	Laborator y Instructio n (LI)	Classroom Instruction (CI)	Self Learn ing (SL)
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<p>SO1.1 Understand basics of HTML</p> <p>SO1.2 Understanding various tags used with HTML</p> <p>SO1.3 Understanding types of List in Html.</p> <p>SO1.4 Understanding different input types</p> <p>SO1.5 Understand client server architecture.</p>	<p>1. Design web pages for your college containing a description of the courses, departments, faculties, library, etc, use href, list tags.</p> <p>2. Create your class timetable using the table tag.</p> <p>3. Create user Student feedback form (use textbox, text area, checkbox, radio button, select box, etc.)</p>	<p>Unit-1: Basics of Internet and Web</p> <p>1.1 Introduction to Internet World Wide Web.</p> <p>1.2 Internet Addressing, Browser, URL, Web server,</p> <p>1.3 Website, homepage, Domain, Basic concepts.</p> <p>Softwares for web Designing: -Notepad/ Notepad++, Dreamweaver, Blue Griffon,</p> <p>1.4 Net beans, Sea Monkey, Word press, Sublime.</p> <p>1.5 Introduction to HTML: HTML Tags & attributes, HTML Basic Tags, Formatting Tags, HTML color Coding, Div and Span Tags for Grouping.</p> <p>1.6 List: Unordered Lists, Ordered Lists, Definition list, Images: Image and Image Mapping.</p> <p>1.7 Hyperlink: URL – Uniform Resource Locator, URL Encoding, Table:<table>, <th>,<tr>,<td>,<caption>,<thead>,<tbody>,<tfoot>,<colgroup>,<col>,</td></p> <p>1.8 Attributes Using Iframe as the Target. Form: <input>,<textarea>,<button>,<select>,<label></p> <p>1.9 Headers: Title, Base, Link, Styles, Script HTML: Title, Base, Link, Styles, Script HTML Meta Tag, XHTML, HTML Deprecated Tags & Attributes.</p>	<p>1. Learning various concepts related with internet.</p>
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SW-1 Suggested Sessional Work(SW): a.

Assignments:

- i. Explain basic terminologies used with HTML.
- ii. Explain various types of tags.

CO2: Develop skills to generate HTML and CSS page and have knowledge of Java Script assisted style sheets (JSSS).

Approximate Hours	
Item	AppX Hrs
CI	09
LI	03
SW	02



SL 01
 Total 15

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
SO2.1 To Understand the concept of web server.	1. Create a web page using the frame. Divide the page into two parts with 2. Create your resume using HTML tags also experiment with colors, text, links, size, and also other tags you studied.	Unit-2: Introduction to CSS 2.1 Introduction, Features & benefits of CSS, 2.2 CSS Syntax, External Style Sheet using <link>, 2.3 Multiple Style Sheets, Value Lengths and Percentages.	i. Try to Implement VB Script and Java Script
SO2.2 To learn about Cascading Style Sheet.		2.4 Selectors: ID selectors, Class Selectors, Grouping Selectors, Universal Selector, 2.5 Descendant/ Child Selectors, Attribute Selectors, CSS- Pseudo Classes.	
SO2.3 To implements VB Script and Java Script.	3. Create a web page by making use of the following tags: Head, Body, Bgcolor.	2.6 Color Background Cursor: background-image, 2.7 background-repeat, background-position, CSS Cursor.	
SO2.4 To understand Document Object Model.	4. Write a HTML program to implement different types of CSS.	2.8 Text Fonts: Color, background-color, text-decoration, text-align, 2.9 vertical-align, font-family, font-size, font-style, font-variant, font-weight.	
SO2.5 To learn about JRE (JavaScript Runtime Environment).			

SW-2 Suggested Sessional Work(SW):



CO3: Have knowledge of PHP, PHP Syntax, Comments, Variables and Constants, Embedding PHP in HTML pre-defined and used defined.

Approximate Hours	
Item	AppX Hrs
CI	09
LI	03
SW	02
SL	01
Total	15

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
SO3.1 Learning server-side scripting language PHP.	1. Acquaintance with elements, tags and basic structure of HTML files.	Unit-3 : CSS and Box Model 1.1 List-style-type, list-styleposition,	1. Learning various attributes of HTML tags.
SO3.2 Will learn PHP Syntax, Comments Tags and Attributes	2. Practicing basic and advanced text for formatting.	1.2 list-style-image, list-style, CSS Tables (border, width & height, text-align, virtual-align, padding, color)	2. Learning online HTML editors.
SO3.3 Learn CSS and JavaScript run time data communications	3. Practice use of image, video and sound in HTML documents.	1.3 Box Model: Borders & Outline, 1.4 Margin & Padding,	
SO3.4 Creating forms using HTML.	4. Designing of web pages- Document layout, list, tables.	Height and Width, CSS Dimensions. 1.5 Display Positioning: CSS Visibility, CSS Display,	
SO3.5 Implement front end to back end any data base communication	5. Practicing Hyperlink of web pages, working with frames.	1.6 CSS Scrollbars, CSS Positioning (Static Positioning, Fixed Positioning Relative Positioning, Absolute Positioning), 1.7 CSS Layers with Z-index. 1.8 Floats: The Float Property,	
	6. Working with forms and controls.		
	7. Working with background, text, font, list properties		

Write a JavaScript
program to design

- | | | | |
|----|-------|---|-----------------------------|
| | | a simple calculator. | 1.9 The Clear Property, The |
| 9 | Write | a Clear fix Hack.
JavaScript program to
find the factorial of
given number by
using function. | |
| 10 | Write | a
JavaScript program
to form validation
in html. | |

SW-3 Suggested Sessional Work (SW):

a. Assignments:

- i. Explain basic PHP tags and their properties.
- ii. Create an HTML page that contains a CSS.
- iii. Create an admission form using HTML tags& CSS.



CO4: Have knowledge of basic PHP.

Approximate Hours	
Item	AppX Hrs
CI	09
LI	03
SW	02
SL	01
Total	15

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
SO4.1 Understanding functions of PHP	1 Create a web form using php for login page.	Unit-4: Introduction to JavaScript 4.1 Nature of JavaScript. Script Writing	i. Learn Accessing Data Basics, from regular expressions with
SO4.2 Learn variable scope		Enhancing HTML Documents with JavaScript, The Building Blocks.	ii. Learn PHP and Javascript
SO4.3 Learn string handling operations.	2 Create a simple xml document with following details: Rollno, Sname, Contact, Email & Address.	4.3 Introduction to JavaScript, JavaScript Engines. 4.4 Variables & Operators, Variable Mutation, Basic Operators, Operator Precedence, 4.5 JavaScript Types, Types	
SO4.4 Learn Accessing Data from regular expressions.			
SO4.5 Understand working of client side and server side of PHP.	3 Write a simple PHP s c r i p	orm crud operations. 4 Create a web form using php for enquiry details. Definition, Types in JavaScript, Objects, 4.6 Type Conversion and Coercion, Static vs Dynamic Type Checking. 4.7 JavaScript Conditionals: p e r f	



Introduction to

4.8 Conditionals in JavaScript, Ternary Operators and Conditionals Ladders & Switch Statement.

4.9 JavaScript Conditionals: Introduction to Arrays, Declaring and Mutating Arrays, Array Method and Properties, Replication with Array Methods, Multi-dimensional Arrays.

SW-4 Suggested Sessional Work (SW):

a. Assignments:

- i. Write down the features of PHP.
- ii. Explain client side and server side of PHP.

CO5: Develop skills to generate Static and dynamic application designing, Google form designing.

Approximate Hours	
Item	AppX Hrs
CI	09
LI	03
SW	02
SL	01
Total	15

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
SO5.1 Learn Static and dynamic application designing.	1. Customize a template using JavaScript	Unit-5: Different Statements	1. Learn PHP as server side scripting. 2. Use PHP to connect any database.
SO5.2 Implementing session and cookies.	PHP 5.1 Introduction to Loops, JavaScript, MySQL data 5.2 While and Do/ While Loops, base and connect For Loops, Break and Continue	2. Create a in	
SO5.3 Learn file and directory Conditionals,			



open, close etc operations.

Argument, Name, Address, Function as the Returned Object.

SO5.4 Implementing template customization and develop dynamic applications

Email and 5.6 JavaScript Scope: Scope Mobile number Introduction, Scope in JavaScript, from user Lexical Scope, Module Scope. (register PHP). 5.7 Method of Adding

5. Store this data Interactivity to a WebPage,

SO5.5 Learn file handling with PHP.

Creating Dynamic Web Pages; in MySQL data base. Concept of Java Scripting the

with PHP. in Loops, Iterating Arrays, 3. Write PHP Iterating Objects. script for storing 5.3 JavaScript

6.Next page Forms. 5.8 Java Scripting the Forms, displays all user

Functions: and retrieving Introduction to the Form Objects, using PHP

Functions, user information Functions in (display PHP). Organizing the Objects and Scripts,

JavaScript, from my SQL 5.4 Nested Functions in table. PHP

JavaScript, Arrow Functions in

5.9 Field- Level Validation, 7. Write a

4. Write a HTML Fibonacci Format Money, automatic

JavaScript, page which Calculation, Calculate Expire

takes 5.5 Function as an numbers. Date, Calculate Amount etc.

SW-5 Suggested Sessional Work(SW):

a. Assignments

- i. Write a PHP program to print first ten Fibonacci numbers.
- ii. Create HTML page with java script which takes integer number as a input and tells whether the number is divisible by 4 or not.

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (CI)	Laboratory Instruction (LI)	Sessional Work (SW)	Self Learning (SI)	Total hour (CI+SW+SI)
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CO1: Have knowledge of HTML, its essential tags, Attributes, Text styles, Links to External Documents and different sections of a HTML page.	9	03	2	1	15
CO2: Develop skills to generate HTML and CSS page and have knowledge of Java Script assisted style sheets (JSSS).	9	03	2	1	15
CO3: Have knowledge of PHP, PHP Syntax, Comments, Variables and Constants, Embedding PHP in HTML predefined and used defined.	9	03	2	1	15
CO4 : Have knowledge of functions of PHP Fundamentals of PHP.	9	03	2	1	15
CO5 : Develop skills to generate Static and dynamic application designing, Google form designing, file handling of PHP	9	03	2	1	15
Total Hours	45	15	10	5	75

Suggestion for End Semester Assessment

Suggested Specification Table(ForESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Basics of Internet and Web	02	01	02	05
CO-2	Introduction to CSS	02	06	02	10
CO-3	CSS and Box Model	03	07	03	13
CO-4	Introduction to JavaScript	02	10	03	15
CO-5	Different Statements of JavaScript	03	02	02	07
Total		12	26	12	50



Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Web Technology will be held with written examination of 50 marks.

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.


Suggested Instructional/Implementation Strategies:

46. Improved Lecture
47. Tutorial
48. Case Method
49. Group Discussion
50. Role-play
51. Visit to cement plant
52. Demonstration
53. ICTBasedTeachingLearning(VideoDemonstration/TutorialsCBT,Blog ,Facebook, Twitter,WhatsApp,Mobile,Onlinesources)
54. Brainstorming

Suggested Learning Resources:

(i) Books:

S. No.	Title	Author	Publisher	Edition & Year
1	Beginning PHP5, Apache, and MySQL Web Development	Elizabeth Naramore, Jason Gerner, Yann Le Scouarnec, Jeremy Stolz	Glass Wrox Publication	2005
2	Beginning HTML, XHTML, CSS, and JavaScript 2010	Jon Duckett	Wiley Publishing	2010
3	Web Technologies, Black Book, Dream Tech Press 2010	Kogent	Learning Solutions Inc Dream Tech Press	2010
4	HTML, XHTML and CSS Bible	Bryan Pfaffenberger, Steven M. Schafer, Chuck White	John Wiley & Sons	2004

A K S University 
Faculty of Social Science and Humanities
Department of Arts
Curriculum of BA Computer Program
(Revised as on 01 August 2023)

Curriculum Development Team
Dr. Mirza Samiulla Beg, Department of Arts.

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Program Outcomes	Department of Business Administration Curriculum of BA (Hon's) Program (Revised as on 01 August 2023)														
	Engineering knowledge	Problem Analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Being able to comprehend and put knowledge of software application analysis, design, and	Apply knowledge and skills for computer practice while	upholding social, ethical, and The capacity to work with cutting-edge computing systems and pursue employment in the IT
CO1	2	2	3	3	3	1	1	3	1	1	1	3	2	2	3
CO2	1	3	2	3	2	2	2	2	1	1	1	3	3	2	2
CO3	2	2	2	3	3	2	1	2	1	1	1	3	2	2	3
CO4	1	2	3	2	3	2	1	3	1	2	1	3	3	2	2
CO5	1	2	2	2	3	2	1	3	1	1	1	3	3	2	2

CO-PO-PSO Mapping

A K S University

Faculty of Social Science and Humanities



Department Arts
Curriculum of BA Computer Program
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Course Curriculum Map

Pos & PSOs /#-No.	Cos No.& Titles	SOs No.	Laboratory Instruction(L I)	Classroom Instruction(CI)	Self Learning(SL)
4,5,6,7,8, 11,12 : 1,2,3	CO 1. Have knowledge of HTML, its essential tags, Attributes, Text styles, Links to External Documents and different sections of a HTML page.	SO1:1.1 SO2:1.2 SO3:1.3 SO4:1.4 SO5:1.5	LI:1.1 LI:1.2 LI:1.3	Unit-1: Basics of Internet and Web 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9	As Mention in Page _____ to _____
4,5,6,7,8, 11,12 : 1,2,3	CO 2. Develop skills to generate HTML and CSS page and have knowledge of Java Script assisted style sheets.	SO1:2.1 SO2:2.2 SO3:2.3 SO4:2.4 SO5:2.5	LI:2.1 LI:2.2 LI:2.3 LI:2.4	Unit-2 : Introduction to CSS 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9	
4,5,6,7,8, 11,12 : 1,2,3	CO 3. Have knowledge of CSS, CSS Syntax, Comments, Level of CSS, Embedding HTML in CSS, JavaScript pre-defined and used defined.	SO1:3.1 SO2:3.2 SO3:3.3 SO4:3.4 SO5:3.5	LI:3.1 LI:3.2 LI:3.3 LI:3.4 LI:3.5 LI:3.6 LI:3.7 LI:3.8 LI:3.9 LI:3.10	Unit-3 : CSS and Box Model 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9	
4,5,6,7,8, 11,12 : 1,2,3	CO 4. Have knowledge of functions of PHP Fundamentals of PHP.	SO1:4.1 SO2:4.2 SO3:4.3 SO4:4.4 SO4:4.5	LI:4.1 LI:4.2 LI:4.3 LI:4.4	Unit-4: Introduction to JavaScript 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9	



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4,5,6,7,8,11,12 : 1,2,3	CO 5. Develop skills to generate Static and dynamic application designing, Google form designing.	SO1:5.1 SO2:5.2 SO3:5.3 SO4:5.4 SO5:5.5	LI:5.1 LI:5.2 LI:5.3 LI:5.4 LI:5.5 LI:5.6 LI:5.7	Unit5: Different Statements of JavaScript 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9
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AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of B.A All Program
 (Revised as on 01.08.2023)

Course Code: 1CA401

Course Title: Introduction to ASP.NET& C#

Pre-requisite: Student should have a basic understanding of Fundamental of Computer.

Course Outcome:

CO 1: To learn fundamentals of .Net framework.

CO 2: To enrich knowledge about Windows Forms, Controls and ASP.NET based applications.

CO3: To gain proficiency in C# by building stand-alone applications in the .NET framework using C#.

CO 4: To build data-driven applications using the .NET Framework, C#, and ADO.NET

CO 5: To acquire skills to create web-based applications and Reports using .net technologies

Scheme of Studies:

Course Category	Course Code	Course Title	Scheme of studies(Hours/Week)					Total Credits(C)
			CI	LI	S W	SL	Total Study Hours(CI+LI+S W)	



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							SW+SL)	
	1CA401	Introduction to ASP.NET& C#	4	2	1	1	10	6

Legend: CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Course Category	Course Code	Course Title	Scheme of Assessment(Marks)						End Semester Assessment	Total Marks (PRA+ESA)
			Progressive Assessment(PRA)							
			Class/Home Assignment number 3 marks each (CA)	Class Test2 (2best out of3) 10 mark each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)		
								(ESA)		



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	1CA401	Introduction to ASP.NET & C#	15	20	5	5	5	50	50	100
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Course-Curriculum Detailing:

This course curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO 1: To learn fundamentals of .Net framework.

	Item	App	
	CI	1	
	LI	1	
	SW		
	SL		
	Total	2	
Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)



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<p>SO1.1 Understanding about the .NET Framework Fundamentals.</p>	<p>LI 1. WAP to print Hello World.</p>	<p>Unit-1.0 Introduction to .Net 1.1 Introduction to .NET Framework</p>	
<p>SO1.2 Understanding about the .NET architecture.</p>	<p>LI 2. C# basics, covering data types, variables, and constants.</p>	<p>1.2 Programming Platform .NET Framework,</p>	
<p>SO1.3 Understanding about the CLR, JIT compiler, garbage collection and framework class library.</p>	<p>LI 3. WAP to find addition of two number.</p>	<p>1.3 .NET Architecture, 1.4 CLR, the Just-in-Time Compiler,</p>	
<p>SO1.4 Understanding about the basics and console application in C#.</p>	<p>LI 1.4 Write a Program, create a simple console application in C#</p>	<p>1.5 Garbage collection. .NET 1.6 Framework class library. 1.7 C# - The Basics and Console Applications in C#</p>	
<p>SO1.5 Use of data type, type conversion, variable, constant, operators, decision making, loops, class, object, methods, array and string manipulation.</p>	<p>LI 1.5 Write a Program for table lists the differences between Array and ArrayList in C#.</p>	<p>1.8 Introduction to C#.NET Development Environment, 1.9 Visual development & event driven Programming Methods and events. 1.10 Data type, type conversion. Variables, constants, operators, 1.11 Decision making, Loops, 1.12 Class, Object, Methods.</p>	
	<p>LI 1.6 Write a Program to combine two arrays without duplicate values in C# using the Union () method.</p>	<p>1.10 Data type, type conversion. Variables, constants, operators, 1.11 Decision making, Loops, 1.12 Class, Object, Methods. Arrays, String manipulation.</p>	

SW-1 Suggested Sessional Work (SW):



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CO 2: To enrich knowledge about Windows Forms, Controls and ASP.NET based applications.

Item	AppXHrs
CI	12
LI	12
SW	1
SL	1
Total	26

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
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<p>SO2.1 Understand about the concepts of OOPS.</p> <p>SO2.2 Use of library and user define classes.</p> <p>SO2.3 Understanding about the constructors and instance variables.</p> <p>SO2.4 Understand about the preprocessor directives and exceptional handling.</p> <p>SO2.5 Understand about the delegates in C#.</p> <p>SO2.6 Use of window forms and controls.</p> <p>SO2.7 Use of window forms properties and events.</p> <p>SO2.8 Use of menus, dialogs and tooltips.</p>	<p>LI 2.1 Write a Program to remove duplicate values from an array in C# in order to get distinct values.</p> <p>LI 2.2 Write a Program to count the total number of elements or some specific elements in the array using an extension method Count() method.</p> <p>LI 2.3 Write a Program to get a comma-separated string from an array using StrinaJoin() method.</p> <p>LI 2.4 Write a Program to sort a onedimensional array in two ways using Array.Sort() method</p>	<p>Unit-2.0 Overview of OOPS</p> <p>2.1 Overview of OOPS</p> <p>2.2 Encapsulation, inheritance, polymorphism, abstraction.</p> <p>Operator overloading.</p> <p>2.3 Creating and using Class Library,</p> <p>2.4 Creating User-Defined Classes.</p> <p>2.5 Understanding Constructors and instance Variables,</p> <p>2.6 Handling and Using Interfaces.</p> <p>2.7 Preprocessor directives, Exception handling,</p> <p>2.8 Understanding Delegates in c#.</p> <p>2.9 Windows Forms and Controls</p> <p>2.10 The Windows Forms Model, Creating Windows Forms</p> <p>2.11 Windows Forms Properties and Events, 2.12 Windows Form Controls, Menus - Dialogs — ToolTips.</p>	<p>1. Use of array for develop program.</p> <p>2. Create program in C use of function.</p>
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	and LINO query.		
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SW-1 Suggested Sessional Work (SW):

CO3: To gain proficiency in C# by building stand-alone applications in the .NET framework using C#.

Item	AppXHrs
CI	12
LI	12
SW	1
SL	1
Total	26



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Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
<p>SO3.1 Understand about the ASP.NET.</p> <p>SO3.2 Understand about the ASP.NET life cycle.</p> <p>SO3.3 Use of controls on the page.</p> <p>SO3.4 Use of application web servers and installation of IIS.</p> <p>SO3.5 Understand about web form controls, server controls and client controls.</p>	<p>LI 3.1 Write a Program to table lists , differentiate between Array and Array List in C#.</p> <p>LI 3.2 Write a Program to obtain two numbers from the user and display them but reject any input where both numbers are greater than 10 and ask for two new numbers. LI 3.3 Write a console application to obtain four int values from the user and display the product. LI 3.4 Write an application that receives the following information</p>	<p>Unit-3.0 Introduction to ASP.Net</p> <p>3.1 Introduction to ASP.NET 3.2 Overview of ASP.NET framework,</p> <p>3.3 Application ASP.NET Life Cycle,</p> <p>3.4 page life cycle phases, 3.5 Initialization, Instantiation of the controls on the page,</p> <p>3.6 Restoration and maintenance of the state.</p> <p>3.7 Understanding ASP.NET Controls,</p> <p>3.8 Applications Web servers,</p> <p>3.9 Installation of IIS.</p> <p>3.10 Web forms,</p> <p>3.11 Web form controls ,server controls,</p> <p>3.12 client controls, web forms & HTML.</p>	



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	<p>from a set of students: Student Id: Student Name: Course Name: Date of Birth: The application should also display the information of all the students once the data has been entered. Implement this using an Array of Structures.</p> <p>3.5 WAP to create login form.</p> <p>3.6 WAP to create registration form.</p>		
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SW-1 Suggested Sessional Work (SW)

CO 4: To build data-driven applications using the .NET Framework, C#, and ADO.NET

Item	AppXHrs
CI	12
LI	12
SW	1
SL	1



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Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom (C)
<p>SO4.1 Understand about the web form.</p> <p>SO4.2 Use of controls of ASP.NET.</p> <p>SO4.3 Understanding about the creating web project.</p> <p>SO4.4 Understanding about the event handling.</p> <p>SO4.5 Use of validation controls.</p>	<p>LI 4.1 Write programs using conditional statements and loops: Generate Fibonacci series.</p> <p>LI 4.2 Write programs using conditional statements and loops: Generate various patterns (triangles, diamond and other patterns) with numbers.</p> <p>LI 4.3 Write programs using conditional statements and loops: Test for prime numbers.</p> <p>LI 4.4 Write a program using function overloading to swap two integer numbers and swap two float number s.</p>	<p>Unit-4.0 Control</p> <p>4.1 Programming</p> <p>4.2 Adding contro</p> <p>Buttons, Text Box</p> <p>4.3 Labels, Chec</p> <p>4.4 Radio Buttons</p> <p>4.5 States of AS</p> <p>Control State,</p> <p>Application State</p> <p>4.6 Creating a</p> <p>project, running a</p> <p>Application,</p> <p>4.7 Event Handlin</p> <p>Session Events, 4.</p> <p>Events.</p> <p>4.9 Validat</p> <p>Required Fieldva</p> <p>4.10 Range Valid</p> <p>4.11 Compare</p> <p>Expression Valid</p> <p>4.12 Custom Vali</p> <p>Summary</p>



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	LI 4.5 WAP to find the factorial of given number. LI 4.6 WAP to find	
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	the	positive,		
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	negative or zero number.		
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SW-1 Suggested Sessional Work (SW):



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Item	AppXHrs
CI	12
LI	12
SW	1
SL	1
Total	26

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
<p>SO5.1 Understand about database.</p> <p>SO5.2 Understand about architecture of ADO.NET.</p> <p>SO5.3 Use of connection using ADO.NET.</p> <p>SO5.4 Understand about connection class, command class, data adapter class and dataset class.</p> <p>SO5.5 Understand about database accessing on web application.</p> <p>SO5.6 use of data grid..</p> <p>SO5.7 Learn about display data on web form using data bound controls.</p>	<p>LI 5.1. Write a program to declare a class "staff" having data of the members such as name and post. Accept this data for atheist for 5 staff members and display the names of "staff" who are HOD.</p> <p>LI 5.2 Define a class, having "salary" of members displaying variables such as Basic, DA, HRA.</p> <p>Write a program using Constructor with default values for DA and HRA and calculate the salary of employees.</p> <p>LI 5.3 Create a project that computes the total</p>	<p>Unit-5.0 DATABASE</p> <p>5.1 Database connectivity in ASP.NET</p> <p>5.2 Architecture of ADO.NET,</p> <p>5.3 Connected and Disconnected Database.</p> <p>5.4 Create Connection using ADO.NET Object Model,</p> <p>5.5 Connection Class, Command Class,</p> <p>5.6 Data Adapter Class, and Dataset Class.</p> <p>5.7 Display data on data bound Controls and Data Grid.</p> <p>5.8 Database Accessing on web applications</p> <p>5.9 Data Binding concept with web,</p> <p>5.10 Creating data grid,</p> <p>5.11 Binding standard web server controls.</p> <p>5.12 Display data on web form using Data bound controls.</p>	



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	<p>of fat, carbohydrate and protein. Allow the user to enter into the text boxes, the grams of fat, grams of carbohydrate and grams of protein assuming that each gram of fat is 9 calories and protein / carbohydrate is 4 calories. Display the total calories of the food item in a label. Use other labels to display the accumulated sum of calories and the count of items entered. The food form should have 3 text boxes for the user to enter the grams of each category. Include labels next to each text box indicating what the user has entered.</p> <p>LI 5.4 Design the same webpages for BMS, BAF and UG students and apply the same background color for all the pages using css.</p> <p>LI 5.5 WAP to create login form with database.</p>		
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	LI 5.6 WAP to create registration form with database.		
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SW-1 Suggested Sessional Work (SW):



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Course Outcomes	Class Lecture (CL)	Laboratory Instruction (LI)	Sessional Work (SW)	Self Learning (SL)	Total hour(CL+SW+SL)
CO 1: To learn fundamentals of .Net framework.	12	06	01	01	20
CO 2: To enrich knowledge about Windows Forms, Controls and ASP.NET based applications.	12	06	01	01	20
CO3: To gain proficiency in C# by building stand-alone applications in the .NET framework using C#.	12	06	01	01	20
CO 4: To build data-driven applications using the .NET Framework, C#, and ADO.NET	12	06	01	01	20
CO 5: To acquire skills to create web-based applications and Reports using .net technologies	12	06	01	01	20
Total Hours	60	30	05	05	100

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)



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CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO. 1	Introduction to .NET	03	04	03	10
CO. 2	Overview of OOPS	05	03	02	10
CO. 3	Introduction to ASP.NET	05	02	03	10
CO. 4	Controls of ASP.NET	04	04	02	10
CO. 5	DATABASE	03	05	2	10
Total		20	15	15	50

Legend: R:Remember, U:Understand, A:Apply

The end of semester assessment for Introduction to Introduction to ASP.NET & C# will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

10. Improved Lecture
 11. Tutorial
 12. Case Method
 13. Group Discussion
 14. Role Play
 15. Visit to IT Industry.
 16. Demonstration
 17. ICTBasedTeachingLearning(VideoDemonstration/TutorialsCBT,B
Twitter,Whats App, Mobile, Online sources)
 18. Brainstorming
- log,Facebook,



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Suggested Learning Resources:

1. ASP.Net 3.5 Black Book (Covers C# and VB 2008 Codes) – Dream Tech Publication
2. The Complete Reference ASP.Net By Mathew Macdonald – TMH
3. Kothari Nikhil and Datye Vandana, Developing ASP .NET Server Controls and Components, Tata McGraw Hill, 2003.
4. Esposito Dino, Applied XML Programming for Microsoft .NET, Tata McGraw Hill, 2003.
5. C# Using .Net Framework by Lalit Arora, Anjali Arora.
6. .NET 5 for Beginners: A Step-by-Step Guide to Learn .NET 5 and C#” by Matt R. Cole
7. Learn .NET 5.0: Build modern desktop, cloud, and web applications” by Arnaud Weil
8. C# in Depth, Fourth Edition” by Jon Skeet
9. Programming C# 8.0: Build Cloud, Web, and Desktop Applications” by Ian Griffiths
10. NET Core in Action” by Dustin Metzger and Jim Wooley

Curriculum Development Team

4. Dr Mirza Samiulla Beg HOD, Department of Arts, AKS University Satna.

A K S University

Faculty of Social Science and Humanities



Department Arts
Curriculum of BA Computer Program
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A K S University

Faculty of Management Studies

Department of Business Administration Curriculum
of BBA (Hon's) Program (Revised as on 01 August 2023)

CO-PO-PSO Mapping

PO NO.	PO1	PO2	PO3	PO4	PO5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PS O1	PSO2	PSO3
Program Outcomes	The students acquire knowledge in the field of social sciences, literature	The B.A. graduates will be acquainted with the social, economical, historical,	The program also empowers the graduates to appear for various	The B. A. program enables the students to acquire the knowledge	The students will be ignited enough to think and act over for the solution of various	Programme provides the base to be the responsible	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Use and apply current technical concepts	Identify computer application related problems, analyze them	Work and communicate effectively in interdisciplinary
CO1	3	3	2	2	1	2	1	1	1	1	1	3	2	2	2
CO2	3	3	2	2	1	2	1	1	1	1	1	3	2	2	3
CO3	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
CO4	3	3	2	2	1	2	1	1	1	1	1	3	2	3	2
CO5	3	3	2	2	1	2	1	1	1	1	1	3	3	2	3



A K S University

Faculty of Social Science and Humanities

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Course Curriculum Map

Cos No. & Titles	Sos No.	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self	
5,6,7,8,12,2,3	CO 1: To learn fundamentals of .Net framework.	SO1:1.1 SO2:1.2 SO3:1.3 SO4:1.4 SO5:1.5	LI:1.1 LI:1.2 LI:1.3 LI:1.4 LI:1.5 LI:1.6	Unit-1: Introduction to .Net 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11,1.12	As Menti in Pag
5,6,7,8,12,2,3	CO 2: To enrich knowledge about Windows Forms, Controls and ASP.NET based applications.	SO1:2.1 SO2:2.2 SO3:2.3 SO4:2.4 SO5:2.5 SO6:2.6 SO7:2.7 SO8:2.8	LI:2.1 LI:2.2 LI:2.3 LI:2.4	Unit-2 :Overview of OOPs 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,1.12	
5,6,7,8,12,2,3	CO3: To gain proficiency in C# by building stand-alone applications in the .NET framework using C#.	SO1:3.1 SO2:3.2 SO3:3.3 SO4:3.4 SO5:3.5	LI:3.1 LI:3.2 LI:3.3 LI:3.4 LI:3.5 LI:3.6	Unit-3 :Introduction to ASP.Net 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,1.12	
5,6,7,8,12,2,3	CO 4: To build data-driven applications using the .NET Framework, C#, and ADO.NET	SO1:4.1 SO2:4.2 SO3:4.3 SO4:4.4 SO5:4.5	LI:4.1 LI:4.2 LI:4.3 LI:4.4 LI:4.5 LI:4.6	Unit-4: Controls of ASP.Net 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12	
5,6,7,8,12,2,3	CO 5: To acquire skills to create web-based applications and Reports using.net technologies	SO1:5.1 SO2:5.2 SO3:5.3 SO4:5.4 SO5:5.5 SO6:5.6 SO7:5.7	LI:5.1 LI:5.2 LI:5.3	Unit5: Database 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11,1.12	



AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of BA HISTORY
(Revised as on 4.08.2023)

Semester-IV

Course Code: 01HI401

Course Title : History of Modern India (From 1739 to 1947 AD)

Pre- requisite: This course can be opted by any student who has passed 12 th class .

Rationale: **'It's all about India's glorious past.**

After Studying this paper ,students will be able to understand in detail about the colonial administration with all its salient features

and the relation between the British and the Indian states .They also have a clear view of the political condition and major events during last phase of the British Rule in India and formation of Indian

National Congress and able to prepare a short power point presentation of the Gandhian era . Students will write a short

biography of prominent leaders who sacrificed their everything for the country .

Course Outcomes:



the students will. be able to

01HI401.1- Students will be able to understand in detail about the colonial administration with all its salient features and the relation between the British and the Indian states .

01HI401.2 They will also have a clear view of the political condition and major events during last phase of the British Rule in India

01HI401.3 They will be able to answer queries related to formation of Indian National Congress .

01HI401.4- They will be able to prepare a short power point presentation of the Gandhian era

01HI401.5 Students will write a short biography of prominent leaders who sacrificed their everything for the country .

Scheme of Studies:

Boar d of Stud y	Cou rse Co de	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+ SL)	



Program Core	1HI40 1	History of Modern India (From 1739 to 1947 AD)	6	0	0	0	6	6
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Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),
LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)
SW: Sessional Work (includes assignment, seminar, mini project etc.),
SL: Self Learning, **C:**Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)		
			Progressive Assessment (PRA)	End	Total



			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 mark s each (CT)	Se mi nar one (SA)	Clas s Ac tivity an y one (C AT)	Class Attenda nce (AT)	Total Marks (CA+CT+ SA+CAT +AT)	Semest er Assess ment (ESA)	Ma rks (PR A+ ES A)
	1HI 401	History of Modern India (From 1739 to 1947 AD)	15	20	5	5	5	50	50	100

Course-Curriculum Detailing:

This course curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase



their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

1- Students will present clear cut ideas about the Establishment of East India Company in India ,

Approximate Hours

Item	Appx Hrs.
CI	22
LI	0
SW	1
SL	1
Total	24

Session Outcomes (SOs)	(L I)	Class room Instruction (CI)	(S)

L



<p>SO1.1 Understand the reason behind establishment of British East India Company in India</p> <p>SO1.2 Understand the various sources and Historiographical trends of Modern Indian History .</p> <p>SO1.3 Understand the reasons and impact of Anglo - French conflict in India</p> <p>SO1.4 Evaluate the impact of Battle of Plassey and Buxar</p> <p>SO1.5 Write meaningful essay on Establishment of Company rule and Dual government system in Bengal</p>	<p>Unit -1 -Establishment of East India company in India</p> <p>1.1-Sources of Modern Indian History</p> <p>1.2 Archaeological Sources</p> <p>1.3 Archival Material</p> <p>1.4 Literary Sources</p> <p>1.5 Oral Sources</p> <p>1.6 Advent of Europeans in India</p> <p>1.7Emergence of Regional Powers In Modern India</p> <p>1.8 Anglo - French conflict in Karnataka .</p> <p>1.9 Karnataka wars - causes</p> <p>1.10 Major Events of Karnataka Wars and consequences</p> <p>1.11 Impact of Karnataka Wars</p> <p>1.12 Third battle of Panipat- Causes</p> <p>1.13Main Events and consequences of Third Battle of Panipat</p> <p>1.14 Establishment of East India company in Bengal</p> <p>1.15 Battle of Plassey</p> <p>1.16 Causes of Battle of Plassey</p> <p>1.17 Major Events and consequences of Battle of Plassey</p> <p>1.18 Battle of Buxar</p> <p>1.19 Causes of Battle of Buxar</p> <p>1.20Major Events and consequences of Battle of Buxar</p> <p>1.21 Dual government in Bengal</p> <p>1.22 Major provision of Dual Government system in Bengal</p>
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BA Computer

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.2-Student will be able to draw the picture of Expansion of British Empire in India.

Approximate Hours

Item	Appx Hours
CI	22
LI	0
SW	1
SL	1
Total	24

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO2.1 Concept about reforms of Warren Hastings and Lord Cornwallis.</p> <p>SO2.2 Understanding about Reform of Lord Wallasely and his Subsidiary Alliance with Indian states</p> <p>SO2.3 Preparation of presentation on Doctrine of Lapse by Lord Dollhouse</p> <p>SO2.4 Understanding the concept of Lord Hastings and British Paramourncy.</p> <p>SO2.5 Understanding the achievements of Lord William Bentinck .</p>	<p>.2.12</p>	<p>UNIT 2- Expansion of British Empire in India</p> <p>2.1 Charter Act of 1773</p> <p>2.2 Provisions of Charter Act of 1773</p> <p>2.3 Reforms of Warren Hastings</p> <p>2.4 Settlement Act of 1781</p> <p>2.5 Provision Of Settlement Act of 1781</p> <p>2.6 Pits India Act 1784</p> <p>2.7 Provisions of Pits India Act 1784</p> <p>2.8 Reforms of Lord Cornwallis</p> <p>2.9 Significance of Permanent Settlement Act</p> <p>2.10 Judicial Reforms of Lord Cornwallis</p> <p>2.11 Reforms of Lord walleseley</p> <p>2.12 Subsidiary alliance with Indian States</p> <p>2.13-Ranjit Singh</p> <p>2.14 Achievements of Ranjit Singh</p> <p>2.15 Lord Hastings and British Paramourncy</p> <p>2.16 Reforms of Lord Hastings</p> <p>2.17 Lord Dalhousie's</p> <p>2.18 Doctrine of Lapse</p> <p>2.19 Lord Dalhousie's administration</p> <p>2.20 Reforms of Lord Dalhousie</p> <p>2.21 Lord William Bentinck</p> <p>2.22 Reforms of Lord William Bentinck</p>	
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Approximate Hours

Item	Appx Hours
CI	19
LI	0
SW	1
SL	1
Total	21

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(S L)
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<p>SO3.1 Meaning and reasons of first war of Independence (1857)</p> <p>SO3.2 Understanding about the role of women in 1857 revolt.</p> <p>SO3.3 Understanding the communal Harmony in the struggle of 1857</p> <p>SO3.4 Understanding about the causes and failure of the struggle.</p> <p>SO3.5 4 Understanding about the nature ,scope and impact of various socio-religious reform movements.</p>	<p>.</p>	<p>Unit-3 : Resistance to British rule and Indian Renaissance</p> <p>3.1 First war of Independence (1857)</p> <p>3.2 Nature of Revolt</p> <p>3.3 Causes of revolt</p> <p>3.4 Major Events of Revolt</p> <p>3.5 Results of 1857 Revolt</p> <p>3.6 Impact of Revolt</p> <p>3.7 Role of women in the struggle</p> <p>3.8 Role of Laxmi Bai</p> <p>3.9 Role of Avanti Bai</p> <p>3.10 Role of Baija Bai</p> <p>3.11 Sources of 1857 Revolt</p> <p>3.12 Communal Harmony in the struggle of 1857</p> <p>3.13 Causes of failure of the struggle</p> <p>3.14 Indian Renaissance -Nature ,causes and consequences</p> <p>3.15 Socho -Religious Movements</p> <p>3.16 Contribution of Raja Ram Mohan Rai ,</p> <p>3.17 Ishwarchandra Vidyasagar</p> <p>3.18 Dayanand Saraswati</p> <p>3.19 Swami Vivekanand</p> <p>3.19 Status of Women In British Period</p>	
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4-Student will write essay on Beginning of Crown Rule and Rise of Mass Nationalism in India .

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	1
SL	1
Total	20

Session Outcomes (SOs)	(L I)	Class room Instruction (CI)	(S L)
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<p>SO4.1 Understanding about the nature of Queen Proclamation and Internal administration of Lord Lytton and Ripon .</p> <p>SO4.2 Preparation of table on various leading factors of rise of Nationalism.</p> <p>SO4.3 Understanding about Reason behind rise of Political association.</p> <p>SO4.4 Understanding about the reason ,scope and impact of Partition of Bengal .</p> <p>SO4.5 Preparation of table of various Pact and impact</p>	<p>.</p>	<p>Unit-4 : Beginning of crown rule and Rise of mass Nationalism in India</p> <p>4.1 Queen Victoria</p> <p>4.2 Queens Proclamation</p> <p>4.3 Act of 1858</p> <p>4.4 Indian Council Act of the 1861</p> <p>4.5 Militart reform after revolt of 1857</p> <p>4.6 Internal administration of Lord Lytton</p> <p>4.7 Internal administration of Lord Ripon</p> <p>4.8 Leading factors of rise of Nationalism</p> <p>4.9 Nature of Mass Nationalism in India</p> <p>4.10 Rise of Poltical Association</p> <p>4.11 Foundation of Indian Nation Congress</p> <p>4.12 Various theories related to foundation of INC</p> <p>4.13 Moderates</p> <p>4.14 Partition of Bengal and Swadeshi Movement in India</p> <p>4.15 Home rule Movement</p> <p>4.16 Lucknow Pact , Rowlatt Act</p> <p>4.17 Balliwala Bagh Massacre</p> <p>4.18 Khilafat Movement</p>	
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5: Students will be able to give presentation on Gandhi Era and Indian Independence .



Approximate Hours

Item	Appx Hours
CI	13
LI	0
SW	1
SL	1
Total	15

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(S L)
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<p>SO5.1 Understand about the nature of Non cooperation movement</p> <p>SO5.2 Preparation of table of nature and various recommendation of Round Table conference .</p> <p>SO5.3 Understanding about role of revolutionary in Indian Independence movement</p> <p>SO5.4 Understanding about the reason of Quit India movement</p> <p>SO5.5 Understanding about the various commission and conference and Partition of India and Independence.</p>		<p>Unit 5: Gandhi Era and Indian Independence</p> <p>5.1- Non cooperation movement, Swaraj Party</p> <p>5.2- Simon Commission ,Lahore Congress</p> <p>5.3- Civil Disobedience Movement ,Round Table conference</p> <p>5.4- Role of Revolutionary in National Movement</p> <p>5.5- Ras Bihari Bose</p> <p>5.6- Ram Prasad Bismil</p> <p>5.7- Bhagat Singh</p> <p>5.8- Chandrashekhar Azad</p> <p>5.9- Quit India Movement ,Cripps mission</p> <p>5.10- Shimla Conference ,Cabinet Mission</p> <p>5.11- Subhas Chandra Bose and Indian National Army</p> <p>5.12- Communal Politics and the Partition of India</p> <p>5.13- Indian Independence Act 1947</p>	
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Brief of Hours suggested for the Course Outcome



Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+Sl)
1-Students will present clear cut ideas about the Establishment of East India Company in India	22	1	1	24
2-Students will be able to draw the picture of Expansion of British Empire in India .	22	1	1	24
3-Students will be give an analytical view on resistance to British Rule and Indian Renaissance .	19	1	1	21
4--Students will write essay on Beginning of Crown Rule and Rise of Mass Nationalism in India .	18	1	1	20
5-Students will be able to give presentation on Gandhi Era and Indian Independence	13	1	1	15
Total Hours	94	05	05	104

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	1-Establishment of East India Company in In India	01	02	02	05
CO-2	2- Expansion of British Empire In India	01	02	02	05



CO-3	Resistance to British Rule and Indian Renaissance	1	0 2	10	1 3
CO-4	Beginning of Crown Rule and Rise of Mass Nationalism in India	-	0 2	11	1 3
CO-5	Gandhi Era and Indian Independence	1	3	10	14
Total		04	1 1	35	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Financial Accounting will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Brainstorming Suggested Learning Resources:

(a) Books :

S. No.	Title	Author	Publisher	Edition & Year



1	The History and culture of the Indian People	Manindra R.C.	Bhartiya Vidya Bhawan	Revised edition 2006
2	□□□□□□ □□□□ □□ □□□□□□	□□ .□□ . □□□□□□□□□□	□□.□□.□□. □□.,□□□□	Edition 2022
3	□□□□□□ □□□□ □□ □□□□□□	□□ .□□. □□□□□□	□□. □□□ □□□□□, □□□□□□	Revised edition 2021
Mr Gaurav Singh Department of Arts ,AKS University				

Curriculum Development Team:

- 1-Mr. Gaurav Singh , Assistant Professor, Department of Arts
- 2-Mr, Rajeev Bairagi, Assistant Professor
- 3- Mrs Prachi Singh , Teaching Associate , Department of Arts
- 3-Dr.Pushpa Soni,Assistant Professor, Department of Arts
- 4-Dr. Usha Dwivedi ,Assistant Professor, Department of Arts
- 5-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts
- 6-Dr.Udaybhan Singh, Assistant Professor , Department of Arts



AKS University
Faculty of social science and Humanities
Department of Arts
Curriculum of B.A. Program
(Revised as on 01.08.2023)

Semester-4th

Course Code: Core- 1EC401

Course Title : Money, Banking and public finance

Pre-requisite: Certificate course with economics as major subject

Rationale:

To provide the knowledge about consumer behavior regarding Market and Production

units of the firm.

Course Outcomes:

CO1. Understand the concept of money and various approaches related to money.

CO2. Concept of inflation, deflation and stagflation

CO3. Know the working of money market, banking and financial system

CO4. Learn the nature, scope and importance of public finance

CO5. Know the various theories of public finance



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Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies(Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours(CI+LI+SW+SL)	
	1EC401	Monetary Economics and Banking	6	0	0	0	6	6

Legend:

CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester	Total Marks
			Progressive Assessment (PRA)								
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)	Assessment (ESA)	(PRA + ESA)	



1EC 401	Money, Banking and public finance	15	20	5	5	5	50	50	100
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AKS University
Faculty of social science and Humanities
Department of Art's
Curriculum of B.A. Plain and Hons. Program
(Revised as on 01.08.2023) Course-Curriculum

Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO1 Understand the concept of money and various approaches related to money.

Approximate Hours

Item	Appx Hrs.
CI	18
LI	0
SW	02
SL	01
Total	21

Session Out comes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO1.1 Understand the Importance of Money</p> <p>SO1.2 Understand the High Powered Money</p> <p>SO1.3 Understand the Plastic Money</p> <p>SO1.4 Preparation of Factors Affecting Money Supply</p> <p>SO1.5 Preparation of Main Components of Money Supply</p>		<p>Unit-1.0 Function of Money</p> <p>1.1 Money Definition, 1.2 Functions of money 1.3 Classification of money 1.4 Types of money 1.5 Importance of money 1.6 Merits of money 1.7 Demerits of money 1.8 Value of Money 1.9 Quantitative Theory of Money 1.10 Cash Transaction Approach, 1.11 Cash Balance Approach 1.12 Keynesian Approach theory</p> <p>1.13 Quantitative Theory of Milton Freidman 1.14 Main Components of Money Supply 1.15 High Powered Money 1.16. Concept of Money Multiplier 1.17 Factors Affecting Money Supply 1.18. Plastic Money</p>	
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CO2 Concept of inflation, deflation and stagflation

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	01
SL	01
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
<p>SO2.1 Understand the Bank-Defination and Types</p> <p>SO2.2 Preparation of Functions of Commercial Banks</p> <p>SO2.3 Understanding the Process of Credit Creation by Commercial Banks</p>		<p>Unit 2.0. Banking system</p> <p>2.1 definition of Bank 2.2 Types of Bank 2.3 Use of Bank 2.4 Function of Bank</p>	



<p>SO2.4 Understanding about Introduction of Internet Banking and Retail Banking</p> <p>SO2.5 Preparation of Functions of Central Bank</p>		<p>2.5 Tools of Bank</p> <p>2.6 Meaning of Commercial Banks</p> <p>2.7 Use of Commercial Banks</p> <p>2.8 Functions of Commercial Banks</p> <p>2.9 Process of Credit Creation by Commercial Banks</p> <p>2.10 Introduction Bank</p> <p>2.11 Internet Banking</p> <p>2.12 Retail Banking</p> <p>2.13 meaning of Central Bank</p> <p>2.14 Importance of Central Bank</p> <p>2.15. Functions of Central Bank</p> <p>2.16. Credit Control by Central Bank-</p> <p>2.17 Quantitative and Qualitative Methods</p> <p>2.18 use of Central Bank</p>	
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CO3 Know the working of money market, banking and financial system

Approximate Hours

Item	Appx Hours
CI	23
LI	0
SW	01
SL	01
Total	25



Sessions (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO3.1 Understand the Nature and Scope</p> <p>SO3.2 Understand Public Finance Meaning</p> <p>SO3.3 Understanding the Public Goods</p> <p>SO3.4 Understanding about Private Goods</p> <p>SO3.5 Preparation of Principles of Public Expenditure</p>	<p>Unit-3 :Introduction of public finance</p> <p>3.1 meaning of Public Finance</p> <p>3.2 Nature and Scope Public Finance</p> <p>3.3 Importance of Public Finance</p> <p>3.4 Definition of Public Finance</p> <p>3.5 Types of Public Finance</p> <p>3.6 Distinction between Private and Public Finance</p> <p>3.7 Theory public goods</p> <p>3.8 Theory of Private Goods</p> <p>3.9 Theory of Merit Goods</p> <p>3.10 Market Failures and Role of State</p> <p>3.11 Principle of Maximum Social Advantage</p> <p>3.12 Meaning of Public Expenditure</p> <p>3.13 Classification of Public Expenditure</p> <p>3.14 Principles of Public Expenditure</p> <p>3.15 Wagner Hypothesis theory 3.16 Peacock theory</p> <p>3.17 Wiseman Approach theory</p> <p>3.18 Causes and Effects of Increasing Public Expenditure</p> <p>3.19 Public Expenditure in India</p> <p>3.20 Prices and Taxes</p> <p>3.21 Shanti Parv of-Book. XII of Mahabharata.</p> <p>3.22 Concept of Public Goods</p> <p>3.23 Taxes as per Kautilya</p>
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CO4 Learn the nature, scope and importance of public finance

Approximate Hours

Item	Appx Hours
CI	16
LI	0
SW	01



SL	01
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
SO4.1 Understand the Sources of Public Revenue	.	Unit-4. Public revenue	
SO4.2 Understand Taxation Meaning		4.1. Sources of Public Revenue	
SO4.3 Understanding Canons and Classification of Taxes		4.2 meaning of Public Revenue	
SO4.4 Understanding about GST- An Introduction		4.3 types of Public Revenue	
SO4.5 Preparation of Effects of Taxation		4.4 importance of Public Revenue	
		4.5 concept of Public Revenue	
		4.6 Taxation-Meaning	
		4.7 Canons and Classification of Taxes	
		4.8 impact of Tax Shifting	
		4.9 Incidence of Taxes and Tax Shifting	
		4.10 GST-An Introduction	
		4.11 Taxable Capacity in India	
		4.12 Effects of Taxation	
		4.13 Characteristics of Indian Tax Structure	
		4.14 tools of Tax Structure	
		4.15 concept of GST system	
		4.16 system of GST	

CO5 Know the various theories of public finance

Approximate Hours

Item	Appx Hours
CI	15
LI	0
SW	02
SL	01
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO5.1 Understanding about the Public Debt-Meaning</p> <p>SO5.2 Preparation of Effects of Public Debt</p> <p>SO5.3 Understanding about the Methods of Public Debt Redemption</p> <p>SO5.4 Understanding about the Deficit Financing</p> <p>SO5.5 Understanding about the Federal Finance in India</p>		<p>Unit-5 :Debt and financial administration</p> <p>5.1 Public Debt-Meaning 5.2 Importance of Public Debt 5.3 Types of Public Debt- 5.4 Main concept of Public Debt 5.5 Use of Public Debt 5.6 Definition of Public Debt- 5.7. Effects of Public Debt 5.8. Methods of Public Debt Redemption 5.9. Public Debt in India 5.10 Deficit Financing 5.11 Federal Finance in India 5.12. Recomendations of Latest Finance Commission in India 5.13. Latest Budget of Centre and State 5.14. Grasp of Economic Policies of Statehood.</p>	
		<p>5.15. Public debt types and Sources</p>	

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (SI)	Total hour (Cl+SW+SI)
CO1. Understand the concept of money and various approaches related to money.	18	02	01	21
CO2. Concept of inflation, deflation and stagflation	18	01	01	20



CO3. Know the working of money market, banking and financial system Concept of inflation, deflation and stagflation	23	01	01	25
CO4. Learn the nature, scope and importance of public	16	01	01	18
finance ^e CO5. Know the various theories of public finance	15	02	01	18
Total Hours	90	00	00	90

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Function of Money	01	01	03	05
CO-2	Banking system	01	01	03	05
CO-3	Introduction of public finance	-	03	10	13
CO-4	Public revenue	-	03	10	13
CO-5	Debt and financial administration	01	03	10	14
Total		03	12	36	50

Legend: R:Remember, U:Understand, A:Apply

The end of semester assessment for Money, Banking and public finance
 Will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment

Suggested Instructional/Implementation Strategies:

- (i) Improved Lecture
- (ii) Tutorial
- (iii) Case Method
- (iv) Group Discussion
- (v) Brainstorming
- (vi) Improved Lecture
- (vii) Tutorial
- (viii) Case Method
- (ix) Group Discussion
- (x) Brainstorming



Suggested Learning Resources:

1. Books:

S. No.	Title	Author	Publisher	Edition& Year
1	Money, Banking and public finance	Vaish M.C.	New Delhi	Revised edition 21 edition 2020
2	Money, Banking and public finance	Mithani D.M.	Publishing house mumbai	
4	Lecture note provided by Prachisingh Dept. of Arts AKS University, Satna .			

Curriculum Development Team:

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- 3-Dr.PushpaSoni,Assistant Professor, Department of Arts
- 4-Dr. Usha Dwivedi ,Assistant Professor, Department of Arts
- 5-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts
- 6-Dr.Udaybhan Singh, Assistant Professor , Department of Arts

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
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Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.	The B.A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Programme provides the base to be the responsible citizen.	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	. Students will understand the concepts GNP, NNP, GDP, NDP, PCI, Disposable Income. Students will understand various aspects and features of Indian economy	Student will know about Consumer's behavior. Demand analysis, cardinal and ordinal utility. It may also provide the information to the student for elasticity of demand, price, income and cross elasticity of demand. Students will learn about the concepts of statistical methods	Students can work efficiently in the field of banking, finance, industry, farming, consumer rights, production, research and trade
CO1	3	3	2	2	2	2	1	1	3	2	3	3	2	3	3
CO2	3	3	2	2	1	2	1	1	2	2	2	3	2	3	3
CO3	3	3	2	2	2	2	1	1	3	2	2	3	3	3	3
CO4	3	3	2	2	1	2	1	1	3	3	3	3	3	3	3
CO5	3	3	2	2	2	2	1	1	2	2	3	3	3	3	3



Course curriculum map

Unit-1.. Function of Money 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18	PO: 1,2,3,4,5,6,7,8,9,10,11,12 PSO:1,2,3	CO- 1 Understand the concept of money and various approaches related to money.	SO1:1 SO1:2 SO1:3 SO1:4 SO1:5	
Unit-2 Banking system 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,2.12,2.13,2.14,2.15,2.16,2.17,2.18	PO: 1,2,3,4,5,6,7,8,9,10,11,12 PSO: 1,2,3,	CO- 2 Concept of inflation, deflation and stagflation	SO2:1 SO2:2 SO2:3 SO2:4 SO2:5	
Unit 3 Introduction of public finance 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,3.12,3.13,3.14,3.15,3.16,3.17,3.18,19,20,21,22,23	PO: 1,2,3,4,5,6,7,8,9,10,11,12 PSO: 1,2,3,	CO-3 Know the working of money market, banking and financial system Concept of inflation, deflation and stagflation	SO3:1 SO3:2 SO3:3 SO3:4 SO2:5	
Unit-4:: Public revenue 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13,4.14,4.15,4.16	PO: 1,2,3,4,5,6,7,8,9,10,11,12 PSO: 1,2,3,	CO-4: Learn the nature, scope and importance of public	SO4:1 SO4:2 SO4:3 SO4:4 SO2:5	
Unit 5 Debt and financial administration 1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11,5.12,5.13,5.14,5.15	PO: 1,2,3,4,5,6,7,8,9,10,11,12 PSO: 1,2,3,	CO-. Know the various theories of public finance 5	SO5:1 SO5:2 SO5:3 SO5:4 SO5:5	



AKS University
Faculty of social science and humanities
Department of Arts
Curriculum of BA English Literature
(Revised as on 1.8.2023)

Semester-

Course Code: 01EN401

Course Title : STUDY OF FICTION

Pre- requisite: The study of fiction is a foundational understanding of literary analysis. This typically includes familiarity with basic literary elements such as plot, character, setting, theme, and narrative techniques.

Rationale: The study of fiction enhances empathy by allowing readers to experience diverse perspectives and emotions, fostering a deeper understanding of human experiences and social dynamics.

Course Outcomes:

01EN401.1. Understand the evolution of early fiction through the study of seminal works by Defoe, Richardson, and Austen.

01EN401.2. Analyze the social, political, and economic contexts of Victorian England as reflected in the works of Dickens, Hardy, and Eliot.

01EN401.3. Explore the themes of psychological complexity and social change in early 20th century literature through the works of Lawrence, Woolf, and Orwell.

01EN401.4. Examine the origins and development of detective

01EN401.5 Evaluate science-fiction genres through the pioneering works of Shelley, Stevenson, and Doyle.



AKS University
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 Department of Arts
 Curriculum of BA English Literature
 (Revised as on 4.11.223)

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
COR E	01EN401	STUDY OF FICTION	4	02	0	0	6	6

Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),
LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)
SW: Sessional Work (includes assignment, seminar, mini project etc.),
SL: Self Learning, **C:**Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)					End Semester Assessment	Total Marks
			Progressive Assessment (PRA)						
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)		
							(ESA)	(PRA+ESA)	



CORE	01E N40 1	STU DY OF FICT ION	15	20	5	5	5	50	50	100
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AKS University
 Faculty of social science and humanities
 Department of Arts
 Curriculum of BA English Literature
 (Revised as on 4.11.223) **Course-Curriculum**

Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO.1. Understand the evolution of early fiction through the study of seminal works by Defoe, Richardson, and Austen.

Approximate Hours

Item	Appx Hrs.
CI	15
LI	0
SW	01
SL	01
Total	20

Session Outcomes (SOs)	(L I)	Class room Instruction (CI)	(S L)
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<p>SO1.1.Demonstrate an understanding of the evolution of early fiction by analyzing the forms and characteristics of early fiction, its origins and development up to the medieval period.</p> <p>SO1.2.Explore the intersection of different genres within fiction, such as postapocalyptic survival, historical romance, and supernatural mystery.</p> <p>SO1.3.Examine key texts, such as Daniel Defoe's "Robinson Crusoe," Samuel Richardson's "Pamela," and Jane Austen's "Pride and Prejudice," to analyze themes, narrative techniques, and the portrayal of gender and power dynamics.</p>	<p>Unit-I: Forms of Early Fiction</p> <p>1.1.Forms of Early Fiction</p> <p>1.2.Medieval Romance and the Birth of the Novel</p> <p>1.3. Fiction and its types</p> <p>1.4.Post-Apocalyptic Survival (Science Fiction/Dystopian Fiction)</p> <p>1.5.Historical Romance (Historical Fiction/Romance)</p> <p>1.6.Supernatural Mystery (Fantasy/Crime Fiction)</p> <p>1.7. Daniel Defoe: Robinson Crusoe</p> <p>1.8.Colonialism and Cultural Encounter</p> <p>1.9.Religious Themes and Spiritual Journey</p> <p>1.10. Samuel Richardson: Pamela</p> <p>1.11.The Epistolary Form and Narrative Technique in Pamela</p> <p>1.12.Gender and Power Dynamics in Pamela</p> <p>1.13. Jane Austen: Pride and Prejudice</p> <p>1.14. The Development of Elizabeth Bennet and Mr. Darcy's Relationship</p> <p>1.15.Satire and Social Critique in "Pride and Prejudice"</p>	
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CO2. Analyze the social, political, and economic contexts of Victorian England as reflected in the works of Dickens, Hardy, and Eliot.

Approximate Hours

Item	Appx Hours
CI	15
LI	0



SW	01
SL	01
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
<p>SO2.1. Discuss the socio-political themes of the French Revolution depicted in the novel.</p> <p>SO2.2. Analyze the characters of Michael Henchard and Susan Henchard, exploring their development throughout the novel.</p> <p>SO2.3. Explore the socio-political themes addressed in "Middlemarch," such as gender roles, marriage, and class dynamics.</p>		<p>Unit- II: Victorian Fiction</p> <p>2.1. Charles Dickens: A Tale of Two Cities</p> <p>2.2. Social Injustice</p> <p>2.3. Character Analysis</p> <p>2.4. Themes of Resurrection</p> <p>2.5. Historical Context</p> <p>2.6. Thomas Hardy: The Mayor of Casterbridge</p> <p>2.7. Character Analysis</p> <p>2.8. Setting and Atmosphere</p> <p>2.9. Themes and Symbolism</p> <p>2. 10. Narrative Structure and Style: Hardy's narrative techniques</p> <p>2.11. George Eliot: Middlemarch</p> <p>2.12. Character Development</p> <p>2.13. Socio-political Themes in "Middlemarch,"</p> <p>2.14. Narrative Structure of "Middlemarch,"</p> <p>2.15. Realism and Morality</p>	

CO3. Explore the themes of psychological complexity and social change in early 20th century literature through the works of Lawrence, Woolf, and Orwell.

Approximate Hours

Item	Appx Hours
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CI	15
LI	0
SW	01
SL	01
Total	20

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(S L)
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<p>SO3.1. Analyze the theme of the Oedipal complex in "Sons and Lovers" by DH Lawrence, exploring how it shapes the protagonist's relationships and motivations.</p> <p>SO3.2. Discuss Lawrence's portrayal of the contrast between nature and industrialization in "Sons and Lovers," examining how this dichotomy reflects larger societal shifts and influences character development.</p> <p>SO3.3. Examine the theme of surveillance and government control in George Orwell's "1984," exploring how the novel reflects contemporary concerns about totalitarianism and the erosion of individual freedom.</p>	<p>Unit -III. Modern Fiction</p> <p>3.1. DH Lawrence: Sons and Lovers</p> <p>3.2. Oedipal Complex: theme of the Oedipal complex in "Sons and Lovers"</p> <p>3.3. Nature vs. Industrialization: Lawrence's portrayal of the contrast</p> <p>3.4. Sexuality and Intimacy:</p> <p>3.5. Mother-Son Relationship: the complex dynamic between Paul Morel and his mother</p> <p>3.6. Virginia Woolf Mrs. Dalloway</p> <p>3.7. Character Analysis: complex characters in the novel,</p> <p>3.8. Modernism and Stream of Consciousness</p> <p>3.9. Society and Class: English society and class distinctions in the novel,</p> <p>3.10. Time and Memory: novel's treatment of time and memory</p> <p>3.11. George Orwell: 1984</p> <p>3.12. Surveillance and Government Control</p> <p>3.13. Totalitarianism and Thought Control</p> <p>3.14. Individuality and Resistance:</p> <p>3.15. Propaganda and Manipulation</p>	
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CO4. Examine the origins and development of detective and science-fiction genres through the pioneering works of Shelley, Stevenson, and Doyle.

Approximate Hours

Item	Appx Hours
CI	15



LI	0
SW	01
SL	01
Total	20

Session Outcomes (SOs)	(L I)	Class room Instruction (CI)	(S L)
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<p>SO4.1. Analyze the complex parent-child relationships depicted in Mary Shelley's "Frankenstein" and discuss their significance in understanding the characters and themes of the novel.</p> <p>SO4.2. Explore the theme of duality in RL Stevenson's "Dr. Jekyll and Mr. Hyde," focusing on how it reflects human nature and moral ambiguity.</p> <p>SO4.3. Examine the character analysis of Sherlock Holmes, Dr. John Watson, and other key characters in Arthur Conan Doyle's "The Hound of the Baskervilles," considering how their traits contribute to the development of the story's themes and symbolism.</p>	<p>Unit -IV. Detective Literature and Science-fiction</p> <p>4.1. Mary Shelley: Frankenstein</p> <p>4.2. The Creature's Humanity:</p> <p>4.3. Parent-Child Relationships: the complex parent-child relationships depicted in the novel</p> <p>4.4. Science and Ethics: the ethical implications of Victor Frankenstein's</p> <p>4.5. Gothic Elements in "Frankenstein"</p> <p>4.6. RL Stevenson: Dr. Jekyll and Mr. Hyde</p> <p>4.7. Dualism and Human Nature: the theme of duality in "Dr. Jekyll and Mr. Hyde"</p> <p>4.8. Morality and Ethics: raised by Dr. Jekyll's experimentation and Mr. Hyde's actions,</p> <p>4.9. Psychological Exploration aspects of the novel,</p> <p>4.10. Novel's impact on literature and popular culture</p> <p>4.11. Arthur Conan Doyle: The Hound of the Baskervilles</p> <p>4.12. Character Analysis: Sherlock Holmes, Dr. John Watson, Sir Henry Baskerville, and others.</p> <p>4.13. Themes and Symbolism:</p> <p>4.14. Setting and Atmosphere</p> <p>4.15. Authorial Influence: Arthur Conan Doyle's own interests and experiences</p>	
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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+Sl)
<p>CO.1. Understand the evolution of early fiction through the study of seminal works by Defoe, Richardson, and Austen.</p>	15	01	01	20



CO2. Analyze the social, political, and economic contexts of Victorian England as reflected in the works of Dickens, Hardy, and Eliot.	15	01	01	20
CO3. Explore the themes of psychological complexity and social change in early 20th-century literature through the works of Lawrence, Woolf, and Orwell.	15	01	01	20
CO4. Examine the origins and development of detective and science-fiction genres through the pioneering works of Shelley, Stevenson, and Doyle.	15	01	01	20
.	0	0	0	0
Total Hours	60	05	05	100

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Forms of Early Fiction	01	01	03	05
CO-2	Victorian Fiction	01	01	03	05
CO-3	Modern Fiction	-	03	10	13
CO-4	Detective Literature and Science-fiction	-	03	10	13
CO-5					
Total		03	12	36	50

Legend: R: Remember, U: Understand, A: Apply



The end of semester assessment for Principles of Public Administration will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Brainstorming

Suggested Learning Resources:

(a) Books :

Curriculum Development Team:

1-Mr. Tarashankar Shukla ,SSD

2-Mr, Rajeev Bairagi, Assistant Professor

3- Mrs Prachi Singh , Teaching Associate , Department of Arts

3-Dr.Pushpa Soni,Assistant Professor, Department of Arts

4-Dr. Usha Dwivedi ,Assistant Professor, Department of Arts

5-Mr. Gaurav Singh, Assistant Professor, Department of Arts

6-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts

8-Dr.Udaybhan Singh, Assistant Professor , Department of Arts



CO-PO Mapping:

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
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Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Prognosis	Environment	ETHICS	Individual and teamwork	Communication	Project management and finance	Lifelong learning	Students will develop an ability to read texts in relation to their historical and cultural contexts	Develop the skills needed to succeed in competitive examinations to enhance job opportunities in various field related translation officers, teaching, Guide, archives, museums.	Students will develop an appreciation of how the formal elements of Language and Genre shape meaning
CO1	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
CO2	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
CO3	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3
CO4	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3
CO5	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3



POs& PSOs /*-No.	COsNo.&Titles	SOsNo.	La bor ato ry Ins tru cti on(LI)	Classroom Instruction(CI)	SelfLearn ing(SL)
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO:1,2, 3	CO.1. Understand the evolution of early fiction through the study of seminal works by Defoe, Richardson, and Austen.	SO1:1 SO1.2 SO1.3 SO1.4 SO1.5		Unit-1. Forms of Early Fiction 1.1,1.2,1.3,1.4,1.5,1.6,1.7 ,1.8,1.9,1.10,1.11,1.12,1.13,1.14,1.15,	As Mention ed in Page no. ____ to _____
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO2. Analyze the social, political, and economic contexts of Victorian England as reflected in the works of Dickens, Hardy, and Eliot.	SO2:1 SO2.2 SO2.3 SO2.4 SO2.5		Unit-2 Victorian Fiction 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,2.12,2.13,2.14,2.15	
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 3: Explore the themes of psychological complexity and social change in early 20th-century literature through the works of Lawrence, Woolf, and Orwell.	SO3:1 SO3.2 SO3.3 SO3.4 SO3.5		Unit-3: Modern Fiction 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,3.12,3.13,3.14,3.15	
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 4: Examine the origins and development of detective and sciencefiction genres through the pioneering works of Shelley, Stevenson, and Doyle.	SO4:1 SO4.2 SO4.3 SO4.4 SO4.5		Unit-4 Detective Literature and Sciencefiction 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13,4.14,4.15	



Course Curriculum Map

AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of B.A (Sociology) Program
(Revised as on 1.8.2023)

Semester-IV

Course Code:	01SO401
Course Title :	Social Change and Development
Pre-requisite:	Student should have basic knowledge of Social Change and Development
Rationale:	Social change is inevitable; hence learning about human society is incomplete without comprehension of change. This paper is designed to give the student an extensive knowledge about social change and its overall impact on society.

Course Outcomes:

CO1. This paper will introduce the students with the concept, various factors, processes and theories of social change.



CO2. It will also give them knowledge about the concept of development and its consequences.

CO3. The critical contributions would enable students to come out with understanding of policies and initiatives taken by the government, their implementation and resulting problems.

CO4. Students, well versed with this course are most likely to get job opportunities in various departments of planning and development, in NGOs which work as agencies of change and development and research institutes which deal with project and planning."

CO5. Learn about development programmes in India and also analyse its success and failures.

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)				Total Study Hours (CI+LI+SW+SL)	Total Credits (C)
			CI	LI	SW	SL		
Program Core	01SO401	Social Change and Development	6	0	02	01	6	6

Legend: CI: Class room Instruction (Includes different instructional strategies. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (include assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)		
			Progressive Assessment (PRA)	End Semester	Total



			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)	Assessment (ESA)	Marks (PRA+ESA)
	01S O401	Social Change and Development	15	20	5	5	5	50	50	100

Course-Curriculum Detailing:

This course curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO1: The Course will provide students with Explain the meaning and types of social change

Approximate Hours

Item	Appx Hrs.
CI	18
LI	0
SW	02
SL	01
Total	21

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO1.1 Understand the Concept of Social Change</p>	<p>Unit 1 Social Change in India 1.1 Concept of Social Change, 1.2 Meaning, 1.3 Definition, 1.4 Impotence 1.5 Forms of Social Change 1.6 .Evolution 1.7 Revolution 1.8 Progress 1.9 Development 1.10 Theories of Social Change 1.11 Evolutionary Theories 1.12 Conflict Theories 1.13 Cyclical Theories 1.14 Functionalist Theories 1.15 Impact of Colonialism and Independence Movement 1.16 Industrialization and Urbanization 1.17 Caste System and Social Reforms 1.18 Women's Rights and Gender Equality</p>	
<p>SO1.2 Understand the Concept of Forms of Social Change</p>		
<p>SO1.3 Understand the concept Revolution</p>		
<p>SO1.4 Understand the concept Progress</p>		
<p>SO1.5 Understand the concept Theories of Social Change</p>		

CO.2: - Understand the process of social change

Approximate Hours

Item	App. Hours
Cl	18
LI	0
SW	02
SL	01
Total	21

<p style="text-align: center;">S e s s i o n O u t c o m e s (S O s)</p>	<p style="text-align: center;">(L D)</p>	<p style="text-align: center;">C l a s s r o o m I n s t r u c t i o n (</p>	<p style="text-align: center;">(S L)</p>
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		C I)	
<p>SO2.1 Concept of Processes of Social Change</p> <p>SO2.2 Understanding about the Modernization</p> <p>SO2.3 Understanding about the Favourable Conditions in westernization</p> <p>SO2.4 Understanding the concept Privatisation, Globalisation and information Revaluation</p> <p>SO2.5 Understanding about the Role of Social Movements in Social Change</p>	.	<p>Unit II Processes of Social Change 2.1 Sanskritization 2.2 Westernization 2.3 Favourable Conditions in Sanskritization 2.4 Favourable Conditions in westernization 2.5 Industrialization, 2.6 Urbanization 2.7 Modernization 2.8 Effect on Indian Society 2.9 Effect on Indian Institutions 2.10 Liberalisation, 2.11 Privatisation, 2.12 Globalisation information Revaluation</p>	



		2.13 Effects on Indian Society 2.14 Social Movement 2.15 Role of Social Movements in Social Change 2.16 Modernization and Technological Innovation		
Session Outcomes (SOs)	(LI)	2.17 Urbanization and Economic Development 2.18 Industrialization and Economic Development	Class Room Instruction (CI)	(SL)

CO.3: Explain human development, social development sustainable development

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	02
SL	01
Total	21



<p>SO3.1 Meaning and concept of Social Development SO3.2 Practical problem related Indicators of Social Development SO3.3 Understanding the Social Agencies of Social Development SO3.4 Understanding about Sustainable Development SO3.5 Understanding about Goals of Sustainable Development</p>	<p>.</p>	<p>Unit –III Social Development in India 3.1 Social Development 3.2 Indicators of Social Development 3.3 Agencies of Social Development, 3.4 State 3.5 Non Governmental 3.6 Agencies 3.7 Market 3.8 Changing Conceptions of Development 3.9 Change in Traditions 3.10 Consumerism 3.11 Consumerist society 3.12 Sustainable Development 3.13 Elements of Sustainable Development 3.14 Indicators of Sustainable Development 3.15 Goals of Sustainable Development 3.16 Poverty Alleviation and Economic Inclusion 3.17 Education Reforms and Universal Literacy 3.18 Health and Nutrition Programs</p>	
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CO.4: Learn about development issues of ecology and environment

Approximate Hours

Item	Appx Hours
Cl	18
LI	0
SW	02
SL	01
Total	21

Session Outcomes (SOs)	(L I)	Classroom Instructional Activities	(S L)
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	n (C I)	
<p>SO4.1 Understanding about Challenges of Development in Indian Society</p> <p>SO4.2 Preparation of Environmental problems</p> <p>SO4.3 Knowledge about the Indian Experience of Development</p> <p>SO4.4 Knowledge about the Concept of Planning</p> <p>SO4.5 Knowledge about Sociological Appraisal of Five</p>	<p>Unit -IV Challenges of Development in Indian Society 4.1 Socio-cultural 4.2 Economic Challenges 4.3 Development and 4.4 Environmental problem 4.5 Indian Experience of Development- 4.6 Sarwodaya 4.7 Bhoodan 4.8 Chitrakoot model 4.9 White Revaluation 4.10 Planning 4.11 Concept of Planning 4.12 Types of planning</p>	
Year Plans	4.1 Techniques of 3 planning 4.1 Five Year Plans 4 in India 4.1 Sociological 5 Appraisal of Five Year Plans	



	4.1 Poverty and 6 Income Inequality
	4.1 Unemployment 7 and Underemploy- ment
	4.1 Regional 8 Disparities in Development

CO.5: Learn about development programmes in India and also analyse its success and failures.

Item	Appx Hours
CI	18
LI	0
SW	02
SL	01
Total	21

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
SO5.1 Understand about the Social Policy SO5.2 Preparation of Community Development Programme SO5.3 Preparation of Objectives Contribution of Community Development SO5.4 Understanding about NITI AYOG		Unit 5 Social Policy 5.1 Concept, 5.2 Need 5.3 Social Policy 5.4 Development 5.5 Community Development Programme 5.6 Concept, 5.7 Objective 5.8 Implementation of Programme 5.9 Monitoring, 5.10 Evaluation 5.11 Contribution of Community Development 5.12 Programmes in Social Development of in India 5.13 NITI AYOG, 5.14 Structure, 5.15 Functions 5.16 Welfare State and Social Security Programs 5.17 Health Policy and Public Healthcare Systems 5.18 Education Policy and Access to Education	

Brief of Hours suggested for the Course Outcome



Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+Sl)
CO.1: The Course will provide students with Explain meaning and types of social change	18	02	01	21
CO.2: Understand the process of social change	18	02	01	21
CO.3: Explain human development, social development sustainable development.	18	02	01	21
CO.4: Learn about development issues of ecology and environment	18	02	01	21
CO.5: Learn about development programmers in India and also analyze its success and failures.	18	02	01	21
Total Hours	90	10	05	105

Suggestion for End Semester Assessment

Suggested Specification Table (ForESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Unit-1 Social Change in India	01	01	03	05
CO-2	Unit-2 Social Development in India	01	01	03	05
CO-3	Unit-3: Social Development in India	-	03	10	13
CO-4	Unit-4: Challenges of Development in Indian Society	-	03	10	13
CO-5	Unit5: Social Policy	01	03	10	14
Total		03	12	36	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Social Change and Development will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wiseteachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

55. Improved Lecture
56. Tutorial
57. Case Method
58. Group Discussion

59. Brainstorming Suggested Learning Resources:



(j) Books:

S. No	Title	Author	Publisher	Edition & Year
1	contemporary Sociology: An Introduction to Concept and Theories	Abraham, M. Francis	Oxford University Press New Delhi	Revised edition edition 2010
2	The Sociology of Modernization & Development	Harrison, D.	Sage Publication, New Delhi	Revised edition edition 1989
3	Theory of Culture Change,	Julian H. Steward	University of Illinois press, Umrbanda	Revised edition edition 1965
4	Dr. Pushpa Soni Dept. of Arts AKS University, Satna .			

Curriculum Development Team:

22. Dr. Pushpa Soni, Assistant Professor, Department of Arts
23. Mrs. prachi singh, Teaching associate, Department of Arts
24. Mr. Gaurav Singh , Assistant Professor, Department of Arts
25. Mr. Rajeev Bairagi, Assistant Professor, Department of Arts
26. Dr. Usha Dwivedi , Assistant Professor, Department of Arts
27. Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts
28. Dr. Udaybhan Singh, Assistant Professor , Department of Arts

CO-PO Mapping:

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO1	PSO 2	PSO3
Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive	The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and The program also empowers the graduates to appear for various competitive examinations or choose the post graduate	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this Programme provides the base to be the responsible citizen.	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Students will able to Develop the sociological knowledge and skills.	Students will able to think critically about society and social issues	To Provide the students to understand various culture religion and society in present context		
CO1	3	3	3	2	2	2	1	2	3	3	3	3	3	2	3
CO2	3	2	3	2	2	2	1	2	2	2	2	3	2	2	2



CO3	2	3	2	2	1	2	1	1	2	2	2	2	3	3	2
CO4	3	2	2	2	2	2	1	2	1	2	1	2	3	2	3
CO5	3	3	2	2	1	2	1	1	2	2	2	3	2	3	3

Course Curriculum Map

Pos & PSOs -No.	COs No. & Titles	Sos No.	Laboratory Instruction LI	Classroom Instruction CI	Self Learning SL
PO: 1,2,3,4,5,6,7,8,9,10,11,12 PSO:1,2,3	CO.1: The Course will provide students with Explain the meaning and types of social change	SO1:1 SO1:2 SO1:3 SO1:4 SO1:5		Unit-1 Social Change in India 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18	As Mentioned in Page no. _____ to _____
PO: 1,2,3,4,5,6,7,8,9,10,11,12 PSO: 1,2,3	CO.2: Understand the process of social change	SO2:1 SO2:2 SO2:3 SO2:4 SO3:5		Unit-2 Social Development in India 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,2.12,2.13,2.14,2.15,2.16,2.17,2.18	
PO: 1,2,3,4,5,6,7,8,9,10,11,12 PSO: 1,2,3	CO.3: Explain human development, social development sustainable development.	SO3:1 SO3:2 SO3:3 SO3:4 SO3:5		Unit-3: Social Development in India 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,3.12,3.13,3.14,3.15,3.16,3.17,3.18	
PO: 1,2,3,4,5,6,7,8,9,10,11,12 PSO: 1,2,3	CO.4: Learn about development issues of ecology and environment	SO4:1 SO4:2 SO4:3 SO4:4 SO4:5		Unit-4: Challenges of Development in Indian Society 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13,4.14,4.15,4.16,4.17,4.18	
PO: 1,2,3,4,5,6,7,8,9,11,12 PSO: 1,2,3	CO.5: Learn about development programmers in India and also analyze its success and failures.	SO5:1 SO5:2 SO5:3 SO5:4		Unit5: Social Policy 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11,5.12,5.13,5.14,5.15,5.16,5.17,5.18	



Course Code:

01PO401

Course Title :

Indian Political Thinkers

Pre- requisite:

To study this course , a student must have passed a certificate course in first year.

Rationale:

It is about Political Theory,

Students will be able to think of Manu and Kautalya. Students will be able to explain Social and Political Ideas of Rajaram Mohan Roy, Swami Vivekananda, Lokmanya Bal Gangadhar Tilak, Shri Aurobindo Ghosh. They will be able to explain the key ideas of Mahatma Gandhi, Jawaharlal

Nehru, Subhas ChandraBoseand Dr. Bhimrao Ambedkar. Students will be able to evaluate the ideas of M.N.Roy. Ram Manohar Lohia, Jayaprakash Narayan and Pt. Deendayal Upadhyaya.

Course Outcomes:

CO1. Students will be able to think of Manu and Kautalya.

CO2. Students will be able to explain Social and Political Ideas of Rajaram Mohan Roy, Swami Vivekananda, Lokmanya Bal Gangadhar Tilak, Shri Aurobindo Ghosh.

CO3. They will be able to explain the key ideas of Mahatma Gandhi, Jawaharlal Nehru, Subhas ChandraBoseand Dr. Bhimrao Ambedkar

CO4. Students will be able to evaluate the ideas of M.N.Roy. Ram Manohar Lohia, Jayaprakash Narayan and Pt. Deendayal Upadhyaya.

CO5. They will be able to understand the contribution of Women in Indian Political Thought.



Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
Program Core	01PO401	Indian Political Thinkers	6	0	0	0	6	6

Legend:

- CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),
- LI:** Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)
- SW:** Sessional Work (includes assignment, seminar, mini project etc.),
- SL:** Self Learning, **C:**Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment: Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment	Total Marks
			Progressive Assessment (PRA)						Total Marks		
			Class/Homework Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CA	Class Attendance (AT)				
							T)			(PRA+ESA)	



Program core	01P O401	Indian Political Thinkers	15	20	5	5	5	50	50	100
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AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of BA Political Science
 (Revised as on 01.08.2023)

Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO1: Students will be able to think of Manu and Kautilya.

Approximate Hours

Item	Appx Hrs.
CI	18
LI	0
SW	0
SL	0
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO1.1 Understand the . Indian Political Thought: Introduction, Nature, Sources, Features.</p> <p>SO1.2 We will understand the history of Indian Political Thought.</p> <p>SO1.3 Understand the Mahatma Gandhi social ideas .</p> <p>SO1.4 Will understand Pt. Jawaharlal Nehru: Ideas of Nationalism.</p> <p>SO1.5 Will understand the ideas of Dr. Bhimrao Ambedkar , Manu etc.</p>		<p>Unit-1.0 :</p> <p>1.1. .Indian political Thought: introduction 1.2. Indian political Thought: Nature, 1.3. Indian political Thought: Sources, 1.4. Indian political Thought: Features 1.5. Introduction of Manu 1.6. Contribution of Manu ideas 1.7. Manu: Ideas of State- 1.8. The Origin and Form of the State, 1.9. Saptanga Philosophy, 1.10. Ideas of The Exchequer and Economics, 1.11. Mandala Principles and Sixfold Policy. 1.12. Kautilya: State-related ideas- 1.13. Its origin of the State 1.14. Its a nature of the State, 1.15. .the Saptanga Doctrine, 1.16. the Council of Ministers, 1.17. the Justice and Penal System, 1.18. the Mandal Doctrine and the Sixfold Policy.</p>	
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CO2: Students will be able to explain Social and Political Ideas of Rajaram Mohan Roy, Swami Vivekananda, Lokmanya Bal Gangadhar Tilak, Shri Aurobindo Ghosh.

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	0
SL	0
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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<p>SO2.1 Will know the . Rajaram Mohan Roy. SO2.2 Will understand the Swami Vivekananda social ideas. SO2.3 Will know about Lokmanya Bal Gangadhar Tilak SO2.4 You will gain knowledge Shri Aurobindo Ghosh. SO2.5 Will gain knowledge Ideas related to Freedom of shri aurobindo.</p>		<p>Unit 2.0, 2.1.Introduction of Rajaram Mohan Roy 2.2.Contribution of Rajaram Mohan Roy ideas 2.3.Rajaram Mohan Roy: Ideas on social reform, 2.4.Rajaram Mohan Roy: ideas of freedom 2.5.Rajaram Mohan Roy: ideas of equality 2.6.Introduction of Swami Vivekananda 2.7.Contribution of Swami Vivekananda ideas 2.8.Swami Vivekananda: the spiritual basis of humanism, 2.9.the idea of freedom, 2.10.the essence of socialism. 2.11.Introduction of Lokmanya Bal Gangadhar Tilak 2.12.Contribution of Lokmanya Bal Gangadhar Tilak ideas 2.13.Lokmanya Bal Gangadhar Tilak: Social Reform Programme, 2.14.National Education and Nationalism, 2.15.Swadeshi and Swaraj 2.16.Introduction of 2.17.Contribution of 2.18. Shri Aurobindo Ghosh: Concept of Nationalism,</p>	
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CO3: They will be able to explain the key ideas of Mahatma Gandhi, Jawaharlal Nehru, Subhas Chandra Bose and Dr. Bhimrao Ambedkar

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	0
SL	0
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
<p>SO3.1 Understanding ideas of Mahatma Gandhi. SO3.2 Understanding ideas of The Idea of Non-Violence and Satyagraha, State, Economic Thought. SO3.3 will also understand ideas</p>		<p>Unit-3: 3.1.Introduction of Mahatma Gandhi 3.2.Contribution of Mahatma Gandhi Ideas 3.3.Mahatma Gandhi: Spiritualization of Politics, 3.4.The Ends and Means Relationship, 3.5.The Idea of Non-Violence 3.6.Satyagraha,</p>	



<p>of. Pt. Jawaharlal Nehru: Ideas of Nationalism.</p> <p>SO3.4 Will gain knowledge of Subhas Chandra Bose OF NATINALISM .</p> <p>SO3.5 Also understand Dr. Bhimrao Ambedkar: Social justice Ideas of Freedom and Equality.</p>		<p>3.7.State, 3.8.Economic Thought 3.9.Introduction of Pt. Jawaharlal Nehru 3.10Contribution of Pt. Jawaharlal Nehru Ideas 3.11.Pt. Jawaharlal Nehru: Ideas of Nationalism, 3.12.Democracy, 3.13.Internationalism, 3.14.State and Planning, panchashil, 3.15.Non-Alignmen 3.16.Introduction of Subhas Chandra Bose 3.17.Subhas Chandra Bose - Nationalism, Freedom and Socialism, 3.18.Role in The National Movement ,Dr. Bhimrao Ambedkar: Social justice Ideas of Freedom and Equality,.Role of Dr. Ambedkar in Constitution Making.</p>	
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CO4: Students will be able to evaluate the ideas of M.N.Roy. Ram Manohar Lohia, Jayaprakash Narayan and Pt. Deendayal Upadhyaya.

Approximate Hours

Item	Appx Hours
CI	18
LI	0
SW	0
SL	0
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
<p>SO4.1 Understanding ideas od M.N. ROY.</p> <p>SO4.Understanding the ideas of ram manohar lohia .</p> <p>SO4. We will learn about the social thoughts of Jayaprakash Narayan,</p> <p>SO4. we will learn about the social thoughts of Pandit Deendayal Upadhyay.</p>	.	<p>Unit-4 :</p> <p>4.1.Introduction of M.N.Roy 4.2.Contribution of M.N.Roy Ideas 4.3.M.N.Roy: The Concept of New-Humanism, 4.4.M.N.Roy: Marxism. 4.5.M.N.Roy: Social 4.6.M.N.Roy: political 4.7.Introduction of Ram Manohar Lohia 4.8.Contribution of Ram Manohar Lohia 4.9.Ram Manohar Lohia: Social and political ideas, 4.10.freedom, and equality, 4.11.concept of chaukhamba state, 4.12.socialist thought</p>	



		4.13.Introduction of Jayaprakash Narayan: 4.14.Contribution of Jayaprakash Narayan: 4.15.Jayaprakash Narayan: Ideas on democracy sarvodaya, 4.16.party system and ideas on the total revolution 4.17.Pt. Deendayal Upadhyaya: The concept of integral humanism, 4.18.nationalism and economic thought.	
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CO5: They will be able to understand the contribution of Women in Indian Political Thought.

Item	Appx Hours
CI	18
LI	0
SW	0
SL	0
Total	18

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
SO5.1 Will know about ideas of Pandita Ramabai. SO5.2 Will understand the ideas of Tarabai Shinde. SO5.3 Will know about the ideas of Savitribai Phule. SO5. 4 will understand the ideas of Kamaladevi Chattopadhyay.		Unit 5: Contribution of Women Thinkers 5.1. Introduction of Women Thinkers 2.Contribution of Women Thinkers 3.Features Of Women Thinkers 4.Introduction of Pandita Ramabai 5.Contribution of Pandita Ramabai Ideas 5.6.Pandita Ramabai Social Ideas 5.7.Pandita Ramabai Women Ideas 5.8.Introduction of Tarabai Shinde 5.9.Contribution of Tarabai Shinde Ideas 5.10.Tarabai Shinde Women Ideas 5.11.Tara.bai Shinde Social Ideas 5.12.Introduction of Savitribai Phule	



		5.13. Contribution of Savitribai Phule Ideas 5.14. Savitribai Phule Women Ideas 5.15. Savitribai Phule Social Ideas 5.16. Introduction of Kamaladevi Chattopadhyay 5.17. Contribution of Kamaladevi Chattopadhyay Ideas 5.18. Kamaladevi Chattopadhyay	
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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (CI)	Sessional Work (SW)	Self Learning (SI)	Total hour (CI+SW+SI)
CO1: Students will be able to think of Manu and Kautilya.	18	0	0	18
CO2: Students will be able to explain Social and Political Ideas of Rajaram Mohan Roy, Swami Vivekananda, Lokmanya Bal Gangadhar Tilak, Shri Aurobindo Ghosh.	18	0	0	18
CO3: They will be able to explain the key ideas of Mahatma Gandhi, Jawaharlal Nehru, Subhas Chandra Bose and Dr. Bhimrao Ambedkar.	18	0	0	18
CO4: Students will be able to evaluate the ideas of M.N. Roy, Ram Manohar Lohia, Jayaprakash Narayan and Pt. Deendayal Upadhyaya.	18	0	0	18
CO5: They will be able to understand the contribution of Women in Indian Political Thought.	18	0	0	18
Total Hours	90	00	00	90



Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	ancient indian thinkers	01	01	03	05
CO-2	Raja Rammohan Roy, Swami Vivekananda, Lokmanya Bal Gangadhar Shri, Aurobindo Ghosh	01	01	03	05
CO-3	Thoughts of Mahatma Gandhi, Dr. Bhimrao Ambedkar, Pandit Jawaharlal Nehru, Subhash Chandra Bose.	-	03	10	13
CO-4	Thoughts of M n Roy, Rammohan, Ram Manohar Lohia, Jaiprakash Narayan, Pandit Deendayal Upadhyay.	-	03	10	13
CO-5	Contribution of Women Thinkers	01	03	10	14
Total		03	12	36	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Indian Political Thinkers will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

60. Improved Lecture
 61. Tutorial
 62. Case Method
 63. Group Discussion
 64. Brainstorming
- Suggested Learning Resources:**

(k) Books :

S. No.	Title	Author	Publisher	Edition & Year
1	Political science	Dr. j c johary	SBPD PUBLICATION	2021-2022
2.	Indian Political Thinker	O.P. Gauba	Mayur Paperbacks Noida.	(2019),



3.	Curriculum Development Team: 1-Mr. Gaurav Singh , Assistant Professor, Department of Arts 2-Mr, Rajeev Bairagi, Assistant Professor 3- Mrs Prachi Singh , Teaching Associate , Department of Arts 3-Dr.Pushpa Soni,Assistant Professor, Department of Arts 4-Dr. Usha Dwivedi ,Assistant Professor, Department of Arts 5-Mr. Ashwani Kumar Omre, Teaching Associate , Department of Arts 6-Dr.Udaybhan Singh, Assistant Professor , Department of Art			

CO-PO Mapping:

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
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Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Program provides the basic to be the responsible citizen.	Environment and sustainability	Ethics	Individual and teamwork	Communication	Project management and finance	Lifelong learning	Students will understand the need for a constitution and explain the role of constitution in a democratic society.	Students will be able to explain the Governmental mechanism from Gram panchayat to Parliament and can suggest solutions over various issues in its functioning and implementation.	Students will use various political concepts and ideology to analyze new situations.
CO1	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
CO2	3	2	2	3	1	3	2	1	1	1	2	3	2	3	3
CO3	3	3	2	2	2	2	1	3	1	2	1	3	3	3	3



CO4	2	3	1	2	2	1	1	1	2	1	2	2	3	2	3
CO5	3	3	2	2	1	2	1	2	1	1	1	3	3	3	3

Course Curriculum Map

Pos & PSOs /*-No.	Cos No.& Titles	SOs No.	Laboratory Instruction(LI)	Classroom Instruction(CI)	Self Learning(SL)
PO: 1,2,3,4, 5,6,7,8, 9,10,11, 12 PSO:1,2, 3	CO- 1: Students will be able to think of Manu and Kautalya.	SO1:1 SO1.2 SO1.3 SO1.4 SO1.5		Unit-1.0 ancient Indian thinkers 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8, 1.9,1.10,1.11,1.12,1.13,1.14,1. .15,1.16,1.17,1.18	As Mention ed in Page no. ____ to _____
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 2: Students will be able to explain Social and Political Ideas of Rajaram Mohan Roy, Swami Vivekananda, Lokmanya Bal Gangadhar Tilak, Shri Aurobindo Ghosh.	SO2:1 SO2.2 SO2.3 SO2.4 SO2.5		Unit-2 Raja Rammohan Roy, Swami Vivekananda, Lokmanya Bal Gangadhar Shri, Aurobindo Ghosh 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8, 2.9,2.10,2.11,2.12,2.13,2.14,2. .15,2.16,2.17,2.18	
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 3: They will be able to explain the key ideas of Mahatma Gandhi, Jawaharlal Nehru, Subhas Chandra Bose and Dr. Bhimrao Ambedkar.	SO3:1 SO3.2 SO3.3 SO3.4 SO3.5		Unit-3: Thoughts of Mahatma Gandhi, Dr. Bhimrao Ambedkar, Pandit Jawaharlal Nehru, Subhash Chandra Bose. 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8, 8,3.9,3.10,3.11,3.12,3.13,3. 14,3.15,3.16,3.17,3.18	



PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 4: Students will be able to evaluate the ideas of M.N.Roy. Ram Manohar Lohia, Jayaprakash Narayan and Pt. Deendayal Upadhyaya.	SO4:1 SO4.2 SO4.3 SO4.4		Unit-4: Thoughts of M n Roy, Rammohan, Ram Manohar Lohia, Jaiprakash Narayan, Pandit Deendayal Upadhyay. 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8, 4.9,4.10,4.11,4.12,4.13,4.14,4.15,4.16,4.17,4.18,4.18
PO: 1,2,3,4 ,5,6,7, 8,9,10, 11,12 PSO: 1,2,3	CO- 5: They will be able to understand the contribution of Women in Indian Political Thought.	SO5:1 SO5.2 SO5.3 SO5.4		Unit5: Contribution of Women Thinkers 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8, 5.9,5.10,5.11,5.12,5.13,5.14,5.15,5.16,5.17,5.18



Course Title : Business Communication

Pre- requisite: Student should have acquire expert knowledge of practical and procedural aspects relating to Business Communication.

Rationale: 'It's all about the Tax!'

The students understanding of the provisions of income-tax law and goods and services tax law and to acquire the ability to apply such knowledge to make computations and address application-oriented issues. studying Direct & Indirect Tax Practices under the commerce should possess to develop the knowledge and skills to manage the Direct &of individuals, communities, and businesses. Students will develop the knowledge and skills necessary to calculate income, tax liabilities. Direct Tax Practices gives students the tools to make real life calculate total income, tax liabilities or receivable to or from government.

Course Outcomes:

0MT002.1. To understand and demonstrate the basic concept, Importance, process, and Principles of Business Communication.

0MT002.2. To understand and appropriately apply modes of expression, i.e., descriptive, expositive, narrative, scientific, and self-expressive, in written, visual, and oral communication.

0MT002.3. To understand and will be able to apply the Trade inquiries orders and their executions.

0MT002.4. To understand banking, insurance, agency and E-correspondence of business .

0MT002.5. To develop the ability to write a business report and give a presentation.



Scheme of Studies:

Course category	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
	OMT002	Business Communication	4	0	2	1	7	4

Legend:

CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self-Learning, **C:**

Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment: Theory

Course category	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment	Total Marks
			Progressive Assessment (PRA)						Total Marks		
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CA T)	Class Attendance (AT)	(CA+CT+SA+CAT+AT)			
	OMT002	Business Communication	15	20	5	5	5	50	50	100	



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Unit-1

Introduction to Communication-Difference between communication & Business Communication, history of communication in india, Business Communication: - Objectives, Importance, Process of Business Communication, Principles of Effective Business Communication, Communication Ethics.

Unit-2

Trade inquiries orders and their executions credit and status enquiry complaints and adjustment collection letters sales letters circular letters. Business letter layout

Unit-3

Banking correspondence, insurance correspondence agency correspondence, E – correspondence business.

Unit-4

Company secretarial correspondence including agenda minutes Report Writing: Meaning — Types — Mechanics of Report writing, Content of Report. business report presentations.

Unit-5



Application letters, preparation of resume, interview- meaning, objective and techniques of various interviews, public speech, essentials of a good speech.



CO.1: To understand and demonstrate the basic concept, Importance, process, and Principles of Business Communication.

Approximate Hours

Item	Appx Hrs.
CI	12
LI	0
SW	2
SL	1
Total	15

Session Outcomes (SOs)	(L D)	Classroom Instruction (CI)	(SL)
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<p>SO1.1: Differentiate between general communication and business communication by analyzing their distinct purposes, processes, and contexts.</p> <p>SO1.2: Describe the historical evolution of communication in India, highlighting key developments and their impact on modern communication practices.</p> <p>SO1.3: Explain the objectives, importance, and process of business communication, including the key principles that contribute to effective business communication.</p> <p>SO1.4: Evaluate communication ethics in business settings, applying ethical principles to various scenarios and identifying potential ethical dilemmas.</p>	<p style="text-align: center;">Unit 1: Introduction to Communication</p> <p>1.1 Introduction to Communication</p> <p>1.2 Communication vs. Business Communication</p> <p>1.3 History of Communication in India</p> <p>1.4 Objectives of Business Communication</p> <p>1.5 Importance of Business Communication</p> <p>1.6 Process of Business Communication</p> <p>1.7 Principles of Effective Business Communication</p> <p>1.8 Communication Ethics</p> <p>1.9 Non-Verbal Communication in Business</p> <p>1.10 Cross-Cultural Communication</p> <p>1.11 Digital Communication Trends</p> <p>1.12 Future Trends in Business Communication.</p>	<p>Research and write a report on the evolution of communication technologies in India. Include a comparison between traditional and modern methods and their impact on business communication. Analyze a case study of a business that faced communication challenges. Identify the issues and propose solutions based on the principles of effective business communication .</p>
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SW-1 Suggested Sessional Work (SW):

- a. **Assignments:** Write a comparative analysis of general communication versus business communication, highlighting differences in objectives, processes, and contexts.



- b. Other Activities (Specify):** Participate in a group discussion on communication ethics in business. Present case examples where ethical issues were encountered and discuss possible resolutions.

CO 2. To understand and appropriately apply modes of expression, i.e., descriptive, expositive, narrative, scientific, and self-expressive, in written, visual, and oral communication

Approximate Hours

Item	Ap px Ho urs		
CI	12		
LI	0		
SW	2		
SL	1		
Total	15		
Session Outcomes (SOs)	(L I)	Classroom Instruction (CI)	(SL)



<p>SO2.1: Draft business letters for trade inquiries, orders, credit and status inquiries, and complaints, using appropriate formats and language for each type of correspondence. SO2.2: Analyze and respond to various business correspondence including collection letters, sales letters, and circular letters, ensuring clarity and professionalism. SO2.3: Design and implement effective business letter layouts, adhering to established formats and ensuring that the letters meet professional standards. SO2.4: Review and revise business letters and proposals, applying feedback to improve clarity, effectiveness, and adherence to business communication best practices.</p>	<p>Unit 2: Business Letters and Layout</p> <p>2.1 Introduction to Business Letters 2.2 Trade Inquiries and Orders 2.3 Credit and Status Enquiries 2.4 Complaints and Adjustments 2.5 Collection Letters 2.6 Sales Letters 2.7 Circular Letters 2.8 Business Letter Layout 2.9 Writing Effective Business Proposals 2.10 Letters of Recommendation and Reference 2.11 Handling Legal and Formal Business Correspondence 2.12 Review and Practice of Business Letter Writing</p>	<p>□ Draft a variety of business letters including trade inquiries, credit and status inquiries, complaints, and collection letters. Review and critique sample letters for clarity and effectiveness.</p> <ul style="list-style-type: none"> • Study different business letter formats (block, semi-block, modified block) and practice creating letters using each format. Evaluate the appropriateness of each format for different business scenarios.
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SW-2 Suggested Sessional Work (SW):

- a. **Assignments:** Prepare a portfolio of business letters for various purposes (e.g., trade inquiries, sales letters, circular letters) and evaluate their effectiveness based on layout and content.
- b. **Other Activities (Specify):** Conduct a quiz on business letter formats and common mistakes. Discuss answers and best practices for letter writing.

CO 3. To understand and will be able to apply the Trade inquiries orders and their executions.

Approximate Hours

Item	Appx Hours
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CI	12
LI	0
SW	2
SL	1
Total	15

Session Outcomes (SOs)	(LI)	Classroom Instruction (CI)	(SL)
<p>SO3.1: Compose accurate and professional banking correspondence, including requests and responses related to account management and transactions.</p> <p>SO3.2: Prepare effective insurance correspondence, such as policy documents, claims, and communications with insurers, ensuring compliance with industry standards.</p> <p>SO3.3: Draft agency correspondence for various purposes, including agreements and updates, demonstrating a clear understanding of agency relationships.</p> <p>SO3.4: Utilize e-correspondence tools and techniques for business communication, ensuring the security and effectiveness of digital communications in a professional context.</p>		<p>Unit 3: Correspondence in Different Domains</p> <p>3.1 Banking Correspondence</p> <p>3.2 Insurance Correspondence</p> <p>3.3 Agency Correspondence</p> <p>3.4 Introduction to E-Correspondence</p> <p>3.5 E-Correspondence in Business</p> <p>3.6 E-Correspondence Security</p> <p>3.7 Business Communication Through Social Media</p> <p>3.8 Writing Effective E-Reports</p> <p>3.9 Virtual Meetings and Correspondence</p> <p>3.10 Handling Digital Complaints and Feedback</p> <p>3.11 Integrating E-Correspondence with Traditional Communication</p> <p>3.12 Review and Practice of E-Correspondence</p>	<p>□ Create and review examples of banking, insurance, and agency correspondence. Analyze the specific requirements and standards for each type.</p> <p>□ Explore various ecorrespondence tools and platforms. Draft sample business emails and evaluate their effectiveness and adherence to best practices.</p>

SW-3 Suggested Sessional Work (SW):

a. Assignments: Write a series of business correspondence documents for banking, insurance, and agency purposes. Include a discussion of how each type adheres to industry standards.



b. Other Activities (Specify): Host a seminar on the use of e-correspondence tools in business. Include demonstrations and practical tips for effective digital communication.

CO 4. To understand banking, insurance, agency and E-correspondence of business .

Approximate Hours

Item	Appx Hours
CI	12
LI	0
SW	2
SL	1
Total	15

SessionOutcomes (SOs)	(LI)	ClassroomInstruction (CI)	(SL)
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<p>SO4.1: Draft company secretarial correspondence, including agendas and minutes of meetings, demonstrating an understanding of formal communication requirements and procedures.</p> <p>SO4.2: Explain the meaning, types, and mechanics of report writing, including the organization and presentation of content in business reports. SO4.3: Create comprehensive business reports, incorporating accurate content and clear structure, and prepare effective presentations based on these reports. SO4.4: Review and edit reports for clarity, accuracy, and adherence to reporting standards, providing constructive feedback to enhance the quality of the reports.</p>	<p>Unit 4: Company Secretarial Correspondence and Report Writing</p> <p>4.1 Company Secretarial Correspondence 4.2 Agenda Preparation 4.3 Minutes of Meetings 4.4 Introduction to Report Writing 4.5 Mechanics of Report Writing 4.6 Content of Business Reports 4.7 Writing Executive Summaries 4.8 Types of Business Reports 4.9 Preparing Business Report Presentations 4.10 Report Writing in Different Contexts 4.11 Reviewing and Editing Reports 4.12 Practice and Feedback on Report Writing</p>	<p><input type="checkbox"/> Draft agendas and minutes for different types of meetings. Review and critique existing examples for accuracy and completeness.</p> <p><input type="checkbox"/> Participate in a workshop focusing on the mechanics of report writing. Practice creating reports and receiving feedback on structure and content.</p>
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SW-4 Suggested Sessional Work (SW):

a. Assignments: Prepare agendas and minutes for hypothetical meetings, demonstrating the correct format and content for each type of document.

b. Other Activities (Specify): Conduct a mock meeting where students draft and present minutes and agendas. Review the effectiveness of these documents in capturing meeting discussions.

CO 5. To develop the ability to write a business report and give a presentation.

Item	Appx Hours
CI	12
LI	0
SW	2



SL	1
Total	15

Session Outcomes (SOs)	(L D)	Classroom Instruction (CI)	(SL)
<p>SO5.1: Develop professional application letters and resumes tailored to specific job roles, showcasing the ability to present qualifications and experience effectively.</p> <p>SO5.2: Prepare and conduct mock interviews, applying various interview techniques and strategies to demonstrate effective responses and presentation skills.</p> <p>SO5.3: Create and deliver public speeches, utilizing essential public speaking techniques to engage and inform an audience effectively.</p> <p>SO5.4: Evaluate and improve public speaking performances, including handling Q&A sessions and using feedback to enhance speech delivery and effectiveness.</p>		<p>Unit 5: Job Applications and Public Speaking</p> <p>5.1 Writing Application Letters</p> <p>5.2 Preparing an Effective Resume</p> <p>5.3 Interview Techniques: Overview</p> <p>5.4 Interview Preparation and Practice</p> <p>5.5 Public Speaking Basics</p> <p>5.6 Speech Preparation</p> <p>5.7 Delivering a Speech</p> <p>5.8 Evaluating Speech Effectiveness</p> <p>5.9 Writing for Public Speaking</p> <p>5.10 Handling Q&A Sessions</p> <p>5.11 Advanced Public Speaking Techniques</p> <p>5.12 Practice and Review of Public Speaking</p>	<p>□ Develop and revise a resume and application letter for a specific job position. Reflect on the effectiveness of the documents in presenting qualifications and experience.</p> <p>Prepare and deliver a short public speech on a given topic. Record and review the performance to identify strengths and areas for improvement.</p>

SW-5 Suggested Sessional Work (SW):

- a. **Assignments** :Create a resume and cover letter tailored to a specific job description. Submit for feedback and revise based on provided comments.
- b. **Other Activities (Specify):** Organize a mock interview session where students apply interview techniques and receive feedback on their performance.



Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+Sl)
CO 1. To understand and demonstrate the basic concept, Importance, process, and Principles of Business Communication.	12	2	1	15
CO 2. To understand and appropriately apply modes of expression, i.e., descriptive, expositive, narrative, scientific, and self-expressive, in written, visual, and oral communication.	12	2	1	15
CO 3. To understand and will be able to apply the Trade inquiries orders and their execution.	12	2	1	15
CO 4. To understand banking, insurance, agency and Ecorrespondence of business .	12	2	1	15
CO 5. To develop the ability to write a business report and give an presentation.	12	2	1	15



Total Hours	60	10	5	75
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Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	To understand and demonstrate the basic concept, Importance, process, and Principles of Business Communication.	01	01	03	05
CO-2	To understand and appropriately apply modes of expression, i.e., descriptive, expositive, narrative, scientific, and self-expressive, in written, visual, and oral communication.	01	01	03	05
CO-3	To understand and will be able to apply the Trade inquiries orders and their execution.	-	03	10	13
CO-4	To understand banking, insurance, agency and E-correspondence of business .	-	03	10	13



CO-5	To develop the ability to write a business report and give a presentation.	01	03	10	14
Total		03	11	36	50

Legend: R: Remember, U:Understand, A:Apply

The end of semester assessment for Business communication will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Brainstorming

Suggested Learning Resources:

(a) Books:

S. No.	Title	Author	Publisher	Edition & Year
1	Business Communication For Managers	Payal Mehra	Pearson	
2	Business Communication	Pradhan & Pradhan	Himalya Publications	



3	Business Communication	Manoj Kumar Gaur	Kitab Mahal	
4	Essentials of Business Communication	R. Pal	Sultan Chand & Sons	
5	Business Communication	Kaul Asha	PHI Learning	
6	Business Communication	M.K. Sha	Excel Books	
7	Contemporary Business Communication	Scot Ober	Dreamtech Press	
8	Business Communication	N.Gupta Jain	Sahitya Bhawan Publications	
9	Lecture note provided by Dept. of Commerce AKS University, Satna.			



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Cos,POs and PSOs Mapping

Course Title: B.A Course
Code :

Course Title : **Business Communication**

Course Outcomes	Program Outcomes										Program Specific Outcome				
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
	Comme rce and business related areas	Solvi ng the probl ems	Profes sion relate d scenar ios	Startups and entre prene rial ventu res:	Leade rship qualiti es	Com muni catio n throu gh differ ent mode s	Advance research in the field of commer ce	Decisi on maki ng	Path ways progra ms	Envir onme nt and sustai n abilit y:	Paraph rase the field of E Comm erce and digital platfor ms	Articul ate i n the area of corpor ate sectors and its operati ons.	Enhance the skills of Entrepre neurial attitude and create an impact on social life	Demonst rate knowled ge in setting up ecomme rce platform s	Design the system and processes essentially required for e- commerce

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Curriculum of BA Computer Program
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<p>CO 1. To understand a Importance, process, Communication.</p>	3	2	1	1	1	1	3	1	1	1	3	3	1	2	1
<p>CO 2. To understand expression, i.e., descript self-expressive, in written</p>	3	2	1	1	1	1	3	1	1	1	2	3	1	1	1
<p>CO 3. To understand an inquiries orders and their</p>	3	2	1	2	1	1	3	1	2	1	3	3	2	1	1



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CO 4. To understand banking, insurance, agency and E-correspondence of business .	3	2	1	3	1	1	3	1	1	1	3	3	2	1	1
CO 5. To develop the ability to write a business report and give an presentation.	3	2	1	1	1	1	3	1	1	1	1	2	3	1	1

Legend: 1 –Slight (Low), 2 – Medium, 3 – High Course

Curriculum Map:

POs & PSOs No.	COs No.& Titles	SOs No.	(LI)	Classroom Instruction (CI)	SelfLearning (SL)
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Curriculum of BA Computer Program



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<p>PO 1,2,3,4,5,6 7,8,9,10, PSO 1,2, 3, 4, 5</p>	<p>CO 1. To understand and demonstrate the basic concept, Importance, process, and Principles of Business Communication.</p>	<p>SO1.1 SO1.2 SO1.3 SO1.4</p>		<p>Unit 1: Introduction to Communication 1,2,3,4,5,6,7,8,9,10,11,12.</p>	
<p>PO 1,2,3,4,5,6 7,8,9,10, PSO 1,2, 3, 4, 5</p>	<p>CO 2. To understand and appropriately apply modes of expression, i.e., descriptive, expositive, narrative, scientific, and self-expressive, in written, visual, and oral communication.</p>	<p>SO2.1 SO2.2 SO2.3 SO2.4</p>		<p>Unit 2: Business Letters and Layout 1,2,3,4,5,6,7,8,9,10,11,12.</p>	<p>As mention ed in page number .</p>

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<p>PO 1,2,3,4,5,6 7,8,9,10,</p> <p>PSO 1,2, 3, 4, 5</p>	<p>CO 3. To understand and will be able to apply the Trade inquiries orders and their execution.</p>	<p>SO3.1 SO3.2 SO3.3 SO3.4</p>		<p>Unit 3: Correspondence in Different Domains 1,2,3,4,5,6,7,8,9,10,11,12. .</p>	
<p>PO 1,2,3,4,5,6 7,8,9,10,</p> <p>PSO 1,2, 3, 4, 5</p>	<p>CO 4. To understand banking, insurance, agency and Ecorrespondence of business .</p>	<p>SO4.1 SO4.2 SO4.3 SO4.4</p>		<p>Unit 4: Company Secretarial Correspondence and Report Writing 1,2,3,4,5,6,7,8,9,10,11,12.</p>	
<p>PO 1,2,3,4,5,6 7,8,9,10,</p> <p>PSO 1,2, 3, 4, 5</p>	<p>CO 5. To develop the ability to write a business report and give an presentation.</p>	<p>SO5.1 SO5.2 SO5.3 SO5.4</p>		<p>Unit 5: Job Applications and Public Speaking 1,2,3,4,5,6,7,8,9,10,11,12. .</p>	



AKS University

Faculty of Social Science and Humanities

Department of Arts

Curriculum of BA (Computer Application) Program

(Revised on 01 August 2023)

Course Code: 1CA501

Course Title: Operating System

Pre-requisite: Open for All

Rationale:

Course Outcomes:

CO-1: To understand to analyze the structure and basic architectural components involved in OS.

CO-2: To display competence in recognizing and using operating system features.

CO-3: To gain knowledge of implementation of different operating systems aspect.

CO-4: To apply knowledge of different operating system algorithms.

CO-5: To create own android OS based application (Apps) and implement or install in smart phone and create new apps for business point of view.

Scheme of Studies:

Course Category	Course Code	Course Title	Scheme of studies(Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours(CI+LI+SW+SL)	
	1CA501	Operating System	6	0	1	1	8	6

Legend:

CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)



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SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Course Category	Course Code	Course Title	Scheme of Assessment (Marks)		
			Progressive Assessment (PRA)	End	Total



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			Class/ Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)	Semester Assessment (ESA)	Marks (PRA+ESA)
	1CA501	Operating System	15	20	5	5	5	50	50	100

Course-Curriculum Detailing:

This course Curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should show case their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) up on the course's conclusion.



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CO-1: To understand to analyze the structure and basic architectural components involved in OS. **Approximate Hours**

Item	AppX Hrs
CI	18
LI	00
SW	01
SL	01
Total	20

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
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<p>SO1.1 To understand the evolution of operating systems, Types of operating Systems.</p> <p>SO1.2 Explain the different views of the operating system, operating system Concepts and structure.</p> <p>SO1.3 To understand the Process concept, systems programmer's view of processes.</p> <p>SO1.4 Explain the operating system services for process management. Scheduling</p> <p>SO1.5 Explain the algorithms. Performance evaluation.</p>	<p>AK Faculty of Department of Curriculum of B (Rev</p>	<p>Unit-1 Introduction</p> <p>1.1 Introduction: Evolution of operating systems.</p> <p>1.2 Types of operating systems.</p> <p>1.3 Different views of the operating system (Computer Application Program used on 01 August system. 2023)</p> <p>1.4 Operating system Concepts and structure.</p> <p>1.5 The Process concept, systems programmer's view of processes.</p> <p>1.6 Operating system services for process management. Scheduling</p> <p>1.7 Algorithms. Performance evaluation</p>	
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SW-1 Suggested Sessional Work (SW):

a. Assignments:

- i.
- ii.

b. Major - Paper I:

c. Other Activities (Specify): Seminar



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CO-2: To display competence in recognizing and using operating system features.

Approximate Hours

Item	AppX Hrs
CI	18
LI	00
SW	01
SL	01



Item	AppXHrs
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Total	20
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CI	18
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Session Outcomes (SOs)	Laboratory Instruction Curriculum of BA (Computer Application) (LI)	AKS University Faculty of Social Science and Humanities Department of Arts Computer Application Program (CI) (Revised on 01 August 2023)	Self Learning (SL)
<p>SO2.1 To Understand Memory management.</p> <p>SO2.2 To understand page replacement algorithms.</p> <p>SO2.3 Explain the Inter-process Communication and Synchronization.</p> <p>SO2.4 Explain the classical problems, in concurrent programming.</p> <p>SO2.5 Explain the Deadlocks.</p>		<p>Unit-2 Memory Management</p> <p>2.1 Memory management without swapping or paging, swapping, virtual memory.</p> <p>2.2 Page replacement algorithms, modeling paging algorithms.</p> <p>2.3 Design issues for paging systems, segmentation.</p> <p>2.4 The need for inter-process synchronization, mutual exclusion, semaphores,</p> <p>2.5 Hardware support for mutual exclusion, and queuing Implementation of semaphores.</p> <p>2.6 Classical problems, in concurrent programming, critical region and conditional critical region, monitors, messages.</p> <p>2.7 Deadlock Prevention, deadlock avoidance.</p>	

SW-2 Suggested Sessional Work (SW):

Assignments:

- a.
- b.

Major - Paper I:

- a. **Other Activities (Specify):**



CO-3: To gain knowledge of implementation of different operating systems aspect.

Approximate Hours

LI	00
SW	01
SL	01
Total	20

) Program

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI) (Revised on 01 August 2023)	Self Learning (SL)
<p>SO3.1 To Understand the File systems and its implementation.</p> <p>SO3.2 To understand the Principles of I/O Hardware.</p> <p>SO3.3 Explain the Principles of I/O Software.</p> <p>SO3.4 Explain the device drivers, device independent I/O software</p>		<p>Unit-3: File Systems</p> <p>3.1 File systems, directories, file system implementation,</p> <p>3.2 security protection mechanisms.</p> <p>3.3 Input/output: Principles of I/O.</p> <p>3.4 Hardware: I/O devices, device controllers.</p> <p>3.5 Direct memory access.</p> <p>3.6 Principles of I/O Software: Goals interrupt handlers</p> <p>3.7 Device drivers, device independent I/O software. User space I/O Software.</p>	

SW-3 Suggested Sessional Work(SW):

Assignments:

- a.
- b.
- c.

Major - Paper I:

Other Activities (Specify):



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CO-4: To apply knowledge of different operating system algorithms.



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Approximate Hours

Item	AppXHrs
CI	18
LI	00
SW	01
Program	
SL	01
Total	20

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
<p>SO4.1 To Understand the Disks.</p> <p>SO4.2 To learn scheduling algorithms.</p> <p>SO4.3 Explain the Clocks.</p> <p>SO4.4 Explain the Processes and Processors in Distributed Systems.</p> <p>SO4.5 Explain the Distributed File Systems.</p>		<p>Unit-4 Disks</p> <p>4.1 Disk hardware, scheduling algorithms,</p> <p>4.2 Error handling track-at-a-time caching, RAM Disks.</p> <p>4.3 Clocks: Clock hardware, memory mapped terminals, I/O software.</p> <p>4.4 Processes and Processors in Distributed Systems.</p> <p>4.5 Threads, System models, processor allocation, scheduling.</p> <p>4.6 Distributed File Systems: Design, Implementation, trends.</p>	

SW-4 Suggested Sessional Work (SW):



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Department of Arts

Curriculum of BA (Computer Application) Program

(Revised on 01 August 2023)

CO-5: To create own android OS based application (Apps) and implement or install in smart phone and create new apps for business point of view.

Item	AppX Hrs
CI	18
LI	00
SW	01
SL	01
Total	20

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
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<p>SO5.1 To Understand the Architecture and working of Android.</p> <p>SO5.2 To learn about the Android development Tools.</p> <p>SO5.3 Explain the User Interface Design.</p> <p>SO5.4 Explain the User interface Architecture.</p> <p>SO5.5 Explain the Connecting with Database.</p>	<p>Unit -5 Architecture and working of Android</p> <p>5.1 Architecture and working of Android, IOS and windows phone 8 operating system.</p> <p>5.2 Comparison of Android, IOS and window phone 8. What is Android & advantages and features of Android.</p> <p>5.3 Android development Tools:- Installing and using E clips with ADT Plug-in.</p> <p>5.4 Installing Virtual Machine for Android sandwich/Jelly bean (Emulator) 5.5 configuring the installed tools; Creating an Android project.</p> <p>5.6 User Interface Design — Form widgets, Text field, Basic views layouts, Button control and Images dialog.</p> <p>5.7 User interface ArchitectureApplication context, Activity life cycle, Multiple screens, Connecting with Database.</p>	
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SW-4 Suggested Sessional Work (SW):



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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+Sl)
CO-1: To understand to analyze the structure and basic architectural components involved in OS.	18	01	01	20
CO-2: To display competence in recognizing and using operating system features.	18	01	01	20
CO-3: To gain knowledge of implementation of different operating systems aspect.	18	01	01	20
CO-4: To apply knowledge of different operating system algorithms.	18	01	01	20
CO-5: To create own android OS based application (Apps) and implement or install in smart phone and create new apps for business point of view.	18	01	01	20
Total Hours	90	05	05	100



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Faculty of Social Science and Humanities

Department of Arts

Curriculum of BA (Computer Application) Program

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Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Introduction	03	02	03	08
CO-2	Memory Management	03	01	05	09
CO-3	File Systems	03	07	02	12
CO-4	Disks	03	05	05	13
CO-5	Architecture and working of Android	03	02	03	08
Total		15	17	18	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Operating System will be held with written examination of 50 marks.

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks.



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Department of Arts

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Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

19. Improved Lecture
20. Tutorial
21. Case Method
22. Group Discussion
23. Role Play
24. Visit to Software Company



25. Demonstration

26. ICT Based Teaching Learning (Video Demonstration/Tutorials CBT, Blog, Facebook, Twitter,

WhatsApp, Mobile, Online sources) **AKS University**

27. Brainstorming *Faculty of Social Science and Humanities*

Suggested Learning Resources:

Department of Arts

Curriculum of BA (Computer Application) Program

A. Books:

(Revised on 01 August 2023)

S. No.	Title	Author	Publisher	Edition & Year
1	Operating System Concepts	Mausam Pachauri	Prakhar Publication Pvt. Ltd.	

Curriculum Development Team

1. Dr. Mirza Samiulla Beg Assistant Professor, Department of Computer Science and Engineering.



AKS University

Faculty of Social Science and Humanities

Department of Arts Curriculum of BA (Computer Application)
Program

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CO-PO-PSO Mapping

PO NO.	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO1	PSO2	PSO3
Program Outcomes	Engineering knowledge	Problem Analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Being able to comprehend and put knowledge of software application analysis, design, and	Apply knowledge and skills for computer practice while upholding social, ethical, and	The capacity to work with cutting - edge computing systems and pursue employment in the IT
CO1	2	2	3	3	3	1	1	3	1	1	1	3	2	2	2
CO2	1	3	2	3	2	2	2	2	1	1	1	3	2	2	3
CO3	2	2	2	3	3	2	1	2	1	1	1	3	3	2	3
CO4	1	2	3	2	3	2	1	3	1	2	1	3	3	3	3
CO5	1	2	2	2	3	2	1	3	1	1	1	3	3	3	3





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Faculty of Engineering and Technology

Department of Computer Science & Engineering

Curriculum of B.Tech. (Computer Science & Engineering) Program

Course Curriculum Map

POs & PSOs /*-No.	Cos No. & Titles	SOs No.	Laboratory Instruction(LI)	Classroom Instruction (CI)	Self Learning(SL)
4,5,6,7,8, 1,12 1,2,3	CO-1: To understand to analyze the structure and basic architectural components involved in OS.	SO1:1.1 SO2:1.2 SO3:1.3 SO4:1.4 SO5:1.5		Unit-1: Introduction 1.1,1.2,1.3,1.4,1.5,1.6,1.7	As Mentioned in Page no _____ to _____
4,5,6,7,8 11,12 1,2,3	CO-2: To display competence in recognizing and using operating system features.	SO1:2.1 SO2:2.2 SO3:2.3 SO4:2.4 SO5:2.5		Unit-2 :Memory Management 2.1,2.2,2.3,2.4,2.5,2.6,2.7	
4,5,6,7,8 11,12 1,2,3	CO-3: To gain knowledge of implementation of different operating systems aspect.	SO1:3.1 SO2:3.2 SO3:3.3 SO4:3.4		Unit-3 :File System 3.1,3.2,3.3,3.4,3.5,3.6,3.7	
4,5,6,7,8 11,12 1,2,3	CO-4: To apply knowledge of different operating system algorithms.	SO1:4.1 SO2:4.2 SO3:4.3 SO4:4.4 SO5:4.5		Unit-4: Disks 4.1,4.2,4.3,4.4,4.5,4.6	
4,5,6,7,8 11,12 1,2,3	CO-5: To create own android OS based application (Apps) and implement or install in smart phone and create new apps for business point of view.	SO1:5.1 SO2:5.2 SO3:5.3 SO4:5.4 SO5:5.5		Unit5: Architecture and Working of Androids 5.1,5.2,5.3,5.4,5.5,5.6,5.7	



AKS University

Faculty of Engineering and Technology

Department of Computer Science & Engineering
Curriculum of B.Tech. (Computer Science & Engineering) Program

CO-PO Mapping:

P O N O.	PO1	PO2	PO3	PO4	PO5	P O 6	P O 7	P O 8	P O 9	P O 10	P O 11	P O 12	PS O1	PSO2	PSO 3
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AKS University

Faculty of Engineering and Technology

Department of Computer Science & Engineering

Curriculum of B.Tech. (Computer Science & Engineering) Program

Program Outcome	The students acquire knowledge in the field of social sciences, literature and humanities which make the	The B.A. graduates will be acquainted with the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate program of their	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	Programme provides the base to better	Envisionment and	Ethics	Individual and team work	Communication	Project management and finance	Lifelong learning	Understand the socio, economic, religious and political condition of India through the age at	Develop the skills need to succeed in competitive examinations to enhance job opportunities in various history related fields e.g. archives	Discuss the development in art and architecture language and literature, science and technology.
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AKS University

Faculty of Engineering and Technology

Department of Computer Science & Engineering

Curriculum of B.Tech. (Computer Science & Engineering) Program

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AKS University

Faculty of Engineering and Technology

Department of Computer Science & Engineering

Curriculum of B.Tech. (Computer Science & Engineering) Program

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C O1	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
C O2	3	3	2	2	1	2	1	1	1	1	1	3	2	3	3
C O3	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3
C O4	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3
C O5	3	3	2	2	1	2	1	1	1	1	1	3	3	3	3

Course Curriculum Map

POs &PS Os /*No.	COsNo.&Titles	SOsNo	La bo rat or yI nst ru cti on (L I)	Classroom Instruction(CI)	SelfLear ning(SL)



AKS University

Faculty of Engineering and Technology

Department of Computer Science & Engineering

Curriculum of B.Tech. (Computer Science & Engineering) Program

PO: 1,2,3,4, 5,6,7,8, 9,10,11 ,12 PSO:1,2 ,3	CO- 1: Students will be able to understand in detail about the colonial administration with all its salient features and the relation between the British and the Indian states .	SO1:1 SO1.2 SO1.3 SO1.4 SO1.5		Unit-1.0 Establishment of East India company in India 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9 ,1.10,1.11,1.12,1.13,1.14,1.15,1.16,1.17,1.18,1.19,1.20,1.21,1.22	As Mention ed in Page no. _____ to _____
PO: 1,2,3, 4,5,6, 7,8,9, 10,11, 12 PSO: 1,2,3	CO- 2- They will also have a clear view of the political condition and major events during last phase of the British Rule in India.	SO2:1 SO2.2 SO2.3 SO2.4 SO1.5		Unit-2 Expansion of British Empire in India 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,2.12,2.13,2.14,2.15,2.16,2.17,2.18,2.19,2.20,2.21,2.22	
PO: 1,2,3, 4,5,6, 7,8,9, 10,11, 12 PSO: 1,2,3	CO- 3 They will be able to answer queries related to formation of Indian National Congress .	SO3:1 SO3.2 SO3.3 SO3.4 SO3.5		Unit-3: Resistance to British rule and Indian Renaissance 3.1,3.2,3.3,3.4,3.5,3.6,3.6,3.7,3.8,3.9,3.10,3.11,3.12,3.13,3.14,3.15,3.16,3.17,3.18,3.19	



AKS University

Faculty of Engineering and Technology

Department of Computer Science & Engineering

Curriculum of B.Tech. (Computer Science & Engineering) Program

PO: 1,2,3, 4,5,6, 7,8,9, 10,11, 12 PSO: 1,2,3	CO- 4: They will be able to prepare a short power point presentation of the Gandhian era .	SO4:1 SO4.2 SO4.3 SO4.4 SO4.5		Unit-4 Beginning of crown rule and Rise of mass Nationalism in India 4.1,4.2,4.3,4.4,4.5,4.6,4.7, 4.8,4.9,4.10,4.11,4.12,4.13,,4.14,4.15 ,4.16,4.17,4.18	
PO: 1,2,3, 4,5,6, 7,8,9, 10,11, 12 PSO: 1,2,3	CO- 5: - Students will write a short biography of prominent leaders who sacrificed their everything for the country	SO5:1 SO5.2 SO5.3 SO5.4 SO5.5		Unit5: : Gandhi Era and Indian Independence 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11,5.12,5.13	

FOURTH SEMESTER

Course Code: HSMC-401

Course Title: Organizational Behavior



AKS University

Faculty of Engineering and Technology

Department of Computer Science & Engineering

Curriculum of B.Tech. (Computer Science & Engineering) Program

Pre- requisite: Student will be able to learn and understands the concept of Organizational Behavior and interpersonal behavior in an organization.

Rationale: The students will study about the framework of organizational behavior, individual behavior, leadership and stress management which help the student to understand the application of OB principles, which makes the managers and employees more conscious, realistic, thoughtful, justifiable, reasonable and free from personal biasness. The decisions taken on the basis of organizational behavior is the subject of evaluation and objective assessment. Through this student will learn about logical thinking, sensibility.

Course Outcomes:

CO.1: Understand the effect of interpersonal behavior in an organizational work life.

CO.2: Understand Perspective in Diverse cultural Environment.

CO.3: Understand the principles of organizational human behavior with relevance to the Indian business context.

CO.4 Student understand Stress Management.

CO.5: Understand the organizational structure and personnel management.

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)				Total Credits (C)	
			CI	LI	SW	SL		Total Study Hours (CI+LI+SW+SL)
Program Code	HSMC-401	Organizational Behavior	4	0	1	1	6	4



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Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),
LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)
SW: Sessional Work (includes assignment, seminar, mini project etc.),
SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment	Total Marks
			Progressive Assessment (PRA)						Total Marks		
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	(CA+CT+SA+CAT+AT)			
Program core		OB	15	20	5	5	5	50	(ESA)	(PRA + ESA) 100	

Course-Curriculum Detailing:



AKS University

Faculty of Engineering and Technology

Department of Computer Science & Engineering

Curriculum of B.Tech. (Computer Science & Engineering) Program

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

Approximate Hours

Item	AppX Hrs
CI	10
LI	0
SW	1
SL	1
Total	12

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self Learning (SL)
<p>SO1.1 To Discuss the Nature and importance of organizational behavior.</p> <p>SO1.2 To analyze the framework of organizational behavior.</p> <p>SO1.3 To Understand the contribution of organizational behavior .</p> <p>SO1.4 Understand the evolution of organizational behavior.</p> <p>SO1.5 To create the understanding of Challenges and Opportunities in OB.</p>	.	<p>Unit-1.0 Concept of Organizational Behavior</p> <p>1.1 Concept and nature of OB</p> <p>1.2 Need of OB</p> <p>1.3 Importance of OB</p> <p>1.4 Evolution of OB</p> <p>1.5 Contributing Disciplines to OB.</p> <p>1.6 Framework of OB</p> <p>1.7 Need of the Framework of OB</p> <p>1.8 Challenges of OB</p> <p>1.9 Opportunities of OB</p> <p>1.10 Key element of OB</p>	<p>1. Nature and Characteristics of organizational behavior.</p> <p>2. Importance of organizational behavior.</p>



A K S University

Faculty of Engineering and Technology

Department of Computer Science & Engineering
Curriculum of B.Tech. (Computer Science & Engineering) Program

SW-1 Suggested Sessional Work (SW):

a. Assignments:

Describe in detail about Evolution of OB.

b. Mini Project:

Framework of Organizational Behavior.

c. Other Activities (Specify):

Case study, presentation

Approximate Hours

Item	AppX Hrs
CI	16
LI	0
SW	1
SL	1
Total	18

Item	AppX Hrs
CI	12
LI	0

SW	1
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Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self Learning (SL)
<p>SO2.1 Understand about Individual Behavior.</p> <p>SO2.2 To analyze the different aspect of Personality and perception.</p> <p>SO2.3 Analyze impression Management.</p> <p>SO2.4 To create awareness about values and attitude.</p> <p>SO2.5 To apply the learning of Organizational behavior.</p>		<p>Unit-2: Individual Behavior</p> <p>2.1 Individual Behavior</p> <p>2.2 Personality Development</p> <p>2.3 Concept of Perception</p> <p>2.4 Perceptual Perception</p> <p>2.5 Social Perception</p> <p>2.6 Impression Management</p> <p>2.7 Attitude</p> <p>2.8 Characteristics of Attitude</p> <p>2.9 Component of Attitude</p> <p>2.10 Formation</p> <p>2.11 Measurement</p> <p>2.12 Values.</p> <p>2.13 Learning.</p> <p>2.14 Types of Learning.</p> <p>2.15 Re- enforcement.</p> <p>2.16 Importance of learning</p>	<p>1. Importance of Individual Behavior.</p>

SW-2 Suggested Sessional Work (SW):

a. Assignments:

(1) Define Individual Behavior and importance of it in an organization.

b. Mini Project: Explain about perception and its process.

c. Other Activities (Specify): case analysis, presentation

d.

e. Approximate Hours

SL	1
Total	14

f.

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	Self Learning (SL)

<p>SO3.1 To Discuss the Nature and importance of Leadership..</p> <p>SO3.2 To Understand the concept and nature of Group Dynamics.</p> <p>SO3.3 Student will analyze the reason of joining groups..</p> <p>SO3.4 To learn about Causing Factors of Individual and group Differences.</p> <p>SO3.5 To understand the importance of group member resources.</p>		<p style="text-align: center;">Unit-3 Leadership</p> <p>3.1 Concept of Leadership 3.2 Theories of Leadership 3.3 Qualities of a Good Leader 3.4 Group Dynamics 3.5 Group Formation 3.6 Nature of groups 3.7 Types of Group 3.8 Group member resources 3.9 Reasons of joining groups 3.10 Importance of joining groups 3.11 Functions of group within organization 3.12 Need of Group Members</p>	<p>1. Leadership and its importance</p>
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SW-3 Suggested Sessional Work (SW):

a. Assignments:

(i) Define Leadership and its types.

b. Mini Project: Define the functions of group within organization.

c. Other Activities (Specify): case analysis and presentation.

Approximate Hours

Item	AppX Hrs
CI	10
LI	0
SW	1
SL	1
Total	12

S e s s i o n O u	L a b o r a t o r y I n s t r u c t i o n (LI)	C l a s s r o o m I n s t r u c t i o n (CI)	S e l f L e a r n i n g (SL)
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t c o m e s (S O s)			
<p>SO4.1 Student will Understand the concept, nature and process of Stress Management</p> <p>SO4.2 To analyze the strategies of stress management</p> <p>SO4.3 Student will understand the importance of Stress Management.</p> <p>SO4.4 Student will analyze the concept of work stress</p>		<p>Unit-4 – Stress Management</p> <p>4.1 Concept of Stress Management</p> <p>4.2 Meaning of stress management</p> <p>4.3 Causes of stress management</p> <p>4.4 effect of stress management</p>	<p>1 . S t u d e n t w i l l l e a r n h o w t o h a n d l e s t r e s s i n d i f f e r e n t</p>

<p>managem nt.</p> <p>SO4.5 To know the importanc e of Motivatio n in an Organizati onal.</p>		<p>4.5 Copi ng strat egie s for stres s man age men t</p> <p>4.6 Mea ning of wor k stres s</p> <p>4.7 Co nc ept of M oti vat io n</p> <p>4.8 Im po rta nc e of m oti vat io n</p> <p>4.9 Nee d of moti vati on</p> <p>4.10 The ories of Moti vati on</p>	<p>s it u a ti o n .</p>
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SW-4 Suggested Sessional Work (SW):

a. Assignments:

(1) What is perception? Explain about major influence of the perception process.

b. Mini Project:

(1) Describe about Theories of Learning

C. Other Activities (Specify): case analysis and presentation

Item	AppX Hrs
CI	12
LI	0
SW	1
SL	1
Total	14

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
<p>SO5.1 Student will Learn about the concept of Organization al change.</p> <p>SO5.2 Student will understand different forces of change.</p> <p>SO5.3 Student will be Able to understand Conflict manage</p>		<p>Unit 5: Organizational Change, conflict and peer. 5.1 Concept of organizationa l Change. 5.2 Concept of Conflict. 5.3 Meaning of Peer 5.4 Forces of change 5.5 Planned changes 5.6 Resistance approaches 5.7 Conflict Management</p>	<p>1. How to handle conflict manage ment in an organiza tion.</p>

ment in an organization. SO5.4 To analyzes different Negotiation techniques in work place. SO5.5 Student will understand different types of Organizational Structure.		5.8 Need of Conflict Management 5.9 importance of conflict management 5.10 Negotiation techniques 5.11 Organizational Structure 5.12 Personnel management	
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SW-5 Suggested Sessional Work (SW):

- a. **Assignments (1)** Explain about Conflict management and its importance in an organization.
- b. Mini Project: (1) **Define organizational structure and its type**
- c. **Other Activities (Specify): case analysis and presentation**

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+Sl)
Unit-1 Concept of Organizational	10	1	1	12
Unit-2. Individual Behavior	16	1	1	18

Unit-3 Leadership	12	1	1	14
Unit-4 Stress Management	10	1	1	12
Unit-5 Organizational Change, conflict and peer.	12	1	1	14
Total Hours	60	05	05	70

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Concept of Organizational	03	04	03	10
CO-2	Individual Behavior	05	03	02	10
CO-3	Leadership	05	02	03	10
CO-4	Stress Management	04	04	02	10
CO-5	Organizational Change, conflict and peer.	03	05	2	10
Total		20	15	15	50

Legend: **R: Remember,** **U: Understand,** **A: Apply**

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Role Play
6. Visit to cement plant
7. Demonstration

8. ICT Based Teaching Learning (Video Demonstration/Tutorials CBT, Blog, Facebook, Twitter, Whatsapp, Mobile, Online sources)
9. Brainstorming

Suggested Learning Resources:

(a) Books :

S. No.	Title	Author	Publisher	Edition & Year
1	"Organizational Behavior",	Luthans Fred.,	McGraw Hill.	Latest edition
2	Organizational Behavior	Robbins S. P	New Delhi, PHI	7th edition, 1996
3	Understanding Organizational Behavior	Udai Pareek	Oxford University Press	2011 Third Edition
4	Organizational Behavior	Shekcharam Uma	New Delhi THM, 1989.	1989
5	Dr P. Subba Rao	Organizational Behavior	Himalaya Publishing House	First Edition 2009
6	Lecture note provided by Faculty of Management, AKS University, Satna.			

Cos and POs Mapping

Course: B. Tech. Computer Science & Engineering

Course Code: HSMC-401

Course Title: Organizational Behavior

Course Outcomes	Program Outcomes												Program Specific Outcome				
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
	Engineering knowledge	Problem analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Use fundamental knowledge of math, science, and engineering to comprehend, evaluate, and create computer Programmes in the fields of algorithms, multimedia, big data analytics, machine learning, artificial intelligence, and networking for the effective design of computerbased systems of various complexity.	Utilize relevant methods and cutting-edge hardware and software engineering tools to develop and integrate computer systems and related technologies. This also encourages lifelong learning for the advancement of technology and its use in multidisciplinary settings.	Applying professional engineering solutions for societal improvement while taking into account the environmental context, being conscious of professional ethics, and being able to effectively communicate.	Learn and use the most recent software innovations in the fields of engineering and computer science.	Recognize and examine issues in real life, then offer creative software solutions
CO 1: Understand the effect of interpersonal behavior in an organizational work life.	1	1	2	2	3	2	3	2	2	1	3	2	2	3	3	1	2
CO 2: Understand Perspective in Diverse cultural Environment.	1	1	2	2	1	2	3	2	1	1	2	2	2	2	2	1	3
CO 3: Understand the principles of organizational human behavior with relevance to the Indian business context.	2	2	1	1	1	2	2	2	1	2	1	2	1	1	2	2	2
CO 4: Student understand Stress Management.	3	2	2	2	3	2	3	2	2	1	2	3	3	3	3	2	2
CO 5: Understand the organizational structure and personnel management.	3	2	2	2	3	2	3	2	2	1	2	3	3	3	3	2	2

Legend: 1 – Low, 2 – Medium, 3 – High

Course Curriculum Map

POs & PSOs No.	COs No.& Titles	SOs No.	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
PO 1,2,3,4,5,6,7, 8,9,10,11,12 PSO 1,2, 3, 4, 5	CO 1: Understand the effect of interpersonal behavior in an organizational work life.	SO1.1 SO1.2 SO1.3 SO1.4 SO1.5 SO1.6	1	Unit-1 Concept of Organizational 1.1,1.2,1.3,1.4,1.5,1.6,1.7	As mentioned in page number _ to _
PO 1,2,3,4,5,6,7, 8,9,10,11,12 PSO 1,2, 3, 4, 5	CO 2: Understand Perspective in Diverse cultural Environment.	SO2.1 SO2.2 SO2.3 SO2.4 SO2.5 SO2.6 SO2.7	3	Unit-2 Individual Behavior 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7,2.8,2.9,2.10,2.11	
PO 1,2,3,4,5,6,7, 8,9,10,11,12 PSO 1,2, 3, 4, 5	CO 3: Understand the principles of organizational human behavior with relevance to the Indian business context.	SO3.1 SO3.2 SO3.3 SO3.4 SO3.5 SO3.6	2	Unit-3 Leadership 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8	

PO 1,2,3,4,5,6,7, 8,9,10,11,12 PSO 1,2, 3, 4, 5	CO 4: Student understand Stress Management.	SO4.1 SO4.2 SO4.3 SO4.4 SO4.5	4	Unit-4 Stress Management 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10
PO 1,2,3,4,5,6,7, 8,9,10,11,12 PSO 1,2, 3, 4, 5	CO 5: Understand the organizational structure and personnel management.	SO5.1 SO5.2 SO5.3 SO5.4 SO5.5 SO5.6 SO5.7	5	Unit-5 Organizational Change, conflict and peer. 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9

	1CA50 2	Programming in java	4	2	1	1	8	6
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Legend: CI: Class room Instruction(Includes different instructional strategies i.e. Lecture(L) and Tutorial (T) and others).

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work(includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Course Category	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment	Total Marks
			Progressive Assessment (PRA)						Total Marks		
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity one (CAT)	Class Attendance (AT)	(CA+CT+SA+CAT+AT)			
	S3C OAP 3D	Programming in java	15	20	5	5	5	50	50	100	

Course-Curriculum Detailing:

This course Curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO 1: Understand the features and applications of Java.

Approximate Hours

Item	Appx Hrs.
CI	11
LI	6
SW	1
SL	1
Total	19

Session Outcomes (SOs)	Laboratory Instruction (LI)	Class room Instruction (CI)	(S L)
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<p>SO1.1 Introduction to Java Programming and its Features</p> <p>SO1.2 Understanding fundamental and object oriented program.</p> <p>SO1.3 C vs Java.</p> <p>SO1.4 Understanding JDK, JVM, JRE</p> <p>SO1.5 Understanding the keywords, data types, variables.</p>	<p>LI1. Exploring the JDK Environment. (Familiarize students with the basic features and interface of JDK and JRE.)</p> <p>LI2. Managing code(Teach students how to implement java code.)</p> <p>LI3. Customizing the Windows Desktop(Explore desktop customization options and working with icons.)</p> <p>LI4. Using notepad (Introduce students to notepad or other platform for implementation of java program.)</p> <p>LI5 Installing Software (Guide students through the process of installing new software.)</p> <p>LI6 set path in java</p>	<p>Unit-1.0 Features of java</p> <p>1.1. Features of Java Security in Java,</p> <p>1.2 Fundamental and features of Object Oriented Programming.</p> <p>1.3 C versus Java, Java Development Kit (JDK).</p> <p>1.4 Java Virtual machine(JVM)</p> <p>1.5 Java Runtime Environment(JRE),</p> <p>1.6 How to Set Path in Java,</p> <p>1.7 Keywords: Working of Java: Including Comments:</p> <p>1.7 Data Types in Java: Primitive Data Types: Abstract Derived Data Types;</p> <p>1.8 Variables in Java: Using Classes in Java, Declaring Methods in Java,</p> <p>1.9 Code to Display Test Value: The main() Method,</p> <p>1.10 Invoking a Method in Java, Saving.</p> <p>1.11 Compiling and Executing Java Programs</p>	
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CO2: At the end of this chapter the student will use various I/O operation and control statements.

Approximate Hours

Item	Appx Hours
CI	13
LI	6
SW	1
SL	1
Total	21

SessionOutcomes (SOs)	Laboratory Instruction (LI)	ClassroomInstruction (CI)	(SL)
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<p>SO2.1 Introduction to control statement.</p> <p>SO2.2 Editing and implement code.</p> <p>SO2.3 Introduction about operators</p> <p>SO2.4 Introduction and implementation of Array</p> <p>SO2.5 Concept of string.</p>	<p>LI2.1. Write a program to print the sum and product of digits of an integer.</p> <p>LI 2.2 Write a program to reverse digit of a number.</p> <p>LI2.3 Write a program to compute the sum of the first n terms of the following series $S = 1 + 1/2 + 1/3 + 1/4 + \dots$</p> <p>LI 2.4 WAP to compute the sum of the first n terms of the following series $S = 1 - 2 + 3 - 4 + 5 - \dots$</p> <p>LI 2.5 Write a function that checks whether a given string is Palindrome or not. Use this function to find whether the string entered by user is Palindrome or not.</p> <p>LI 2.6 Write a program that prints a table indicating the number of occurrences of each alphabet in the text entered as command line arguments.</p>	<p>Unit 2 Operators and Control Statements:</p> <p>2.1 Operators and Control Statements: Operators,</p> <p>2.2 Arithmetic Operators, Increment and Operators,</p> <p>2.3 Comparison Operators, Logical Operators,</p> <p>2.4 Operator Precedence;</p> <p>2.5 Control Flow Statements, If-else Statement,</p> <p>2.6 Switch Statement, For Loop,</p> <p>2.7 While Loop, Do While Loop,</p> <p>2.8 Break Statement Continue Statement</p> <p>2.9 Arrays and Strings: Arrays;</p> <p>2.10 String Handling, Special String Operations;</p> <p>2.11 Character Extraction,</p> <p>2.12 String Comparison: Searching Strings,</p> <p>2.13 String Modification; StringBuffer</p>	
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CO 3: Acquire concept of java programs using inheritance and interface.

Approximate Hours

Item	Appx Hours
CI	13
LI	6
SW	1
SL	1
Total	21

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	(S L)
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<p>O3.1 Introduction to MS Access and Database Fundamentals</p> <p>SO3.2 Understanding Database Creation and Table Management</p> <p>SO3.3 Working with Forms in MS Access</p> <p>SO3.4 Report Generation and Management</p> <p>SO3.5 Understanding Relational Databases and Data Relationships</p> <p>SO3.6 Understanding Advanced Data Analysis with Queries</p> <p>SO3.7 Understanding Automation with Macros and Advanced</p>	<p>LI1. Write a Java program to create a class called Animal with a method called makeSound(). Create a subclass called Cat that overrides the makeSound() method to bark.</p> <p>LI2. Write a Java program to create a class called Shape with a method called getArea(). Create a subclass called Rectangle that overrides the getArea() method to calculate the area of a rectangle.</p> <p>LI3. Write a Java program to create a class known as "BankAccount" with methods called deposit() and withdraw(). Create a subclass SavingsAccount that overrides the withdraw() method to prevent withdrawals if the account balance falls below one hundred.</p> <p>LI4. Write a Java program to create an interface Shape with the getArea() method. Create three classes Rectangle, Circle, and Triangle that implement the Shape interface. Implement the getArea() method for each of the three classes.</p> <p>LI5. What does the map() function do? why you use it?</p>	<p>Unit-3 : Inheritance,Interface,Exception Handling,Stream Classes</p> <p>3.1 Inheritance, Package and Interface: Inheritance,</p> <p>3.2 Types of Relationships What is Inheritance?,</p> <p>3.3 Significance of Generalization, Inheritance in Java,</p> <p>3.4 Access Specifiers. The Abstract Class,</p> <p>3.5 Packages, Defining Package, CLASSPATH,</p> <p>3.6 Interface, Defining an Interface, Some Uses of Interfaces.</p> <p>3.7 Interfaces versus Abstract Classes</p> <p>3.8. Exception Handling: Definition of an Exception;</p> <p>3.9 Exception Classes: Common Exceptions,</p> <p>3.10 Exception Handling Techniques</p> <p>3.11 Streams in Java: Streams Basics, Abstract Streams,</p> <p>3.12 Stream Classes, Readers and Writers,</p> <p>3.13 Random Access Files, Serialization.</p>	
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Access Features

LI6 WAP to
string
palindrome.

CO 4: To Identify Java code utilities in applets, Java packages, and classes.

Approximate Hours

Item	Appx Hours
CI	13
LI	6
SW	1
SL	1
Total	21

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	(S L)
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<p>SO4.1 Introduction to Applet</p> <p>SO4.2 Working with Applet.</p> <p>SO4.3 Introduction to event handler in Java.</p>	<p>LI1 How to run appletviewer in Java?</p> <p>LI2. WAP using the five main methods of applet?</p> <p>LI3. Draw a smiley in Java Applet.</p> <p>LI4. What is the handle event .</p> <p>LI5 Introduction about swing</p> <p>LI6 working with swing.</p>	<p>Unit-4 : Applets, Swing</p> <p>4.1. Applets: What are Applets?,</p> <p>4.2 The Applet Class, The Applet and HTML:</p> <p>4.3 LifeCycle of an Applet:</p> <p>4.4 The Graphics Class, Painting the Applet; User</p> <p>4.5 Interfaces for Applet: Adding Components to user interface;</p> <p>4.6 AWT (Abstract Windowing Toolkit) Controls</p> <p>4.7 Event Handling: Components of an Event,</p> <p>4.8 Event Classes; Event Listener Event-Handling,</p> <p>4.9 Adapter Classes; Inner Classes: Anonymous Classes</p> <p>4.10 Swing: Concepts of Swing,</p> <p>4.11 Java Foundation Class (JFC),</p> <p>4.12 Swing Packages and Classes,</p> <p>4.13 Working with Swing- An Example, Swing Components</p>	
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SO4.4 Introduction to Swing.

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CO5: Understand the concept of JDBC and JSP, java beans, ODBC.

Item	Appx Hours
CI	10
LI	6
SW	1
SL	1
Total	18

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	(S L)
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<p>SO5.1 Introduction to JDBC</p> <p>SO5.2 Introduction to ODBC</p> <p>SO5.3 Understand about concept of RMI</p> <p>SO5.4 Introduction to JSP and use of JSP</p> <p>SO5.5 Introduction to Servlet.</p>	<p>LI1 What is JDBC Connection? Explain steps to get Database connection in a simple java program.</p> <p>LI2 How to set NULL values in JDBC PreparedStatement?</p> <p>LI3 How to use JDBC API to call Stored Procedures?</p> <p>LI4. What is SQL Warning? How to retrieve SQL warnings in the JDBC program?</p> <p>LI5 What is a Cookie?</p> <p>LI6. How PrintWriter is different from ServletOutputStream?</p>	<p>Unit 5: Java Data Base Connectivity:</p> <p>5.1. Java Data Base Connectivity: Java Data Base Connectivity,</p> <p>5.2 Database Management: Mechanism for connecting to a hack end database,</p> <p>5.3 Loading the ODBC driver RMI, CORBA and Java Beans:</p> <p>5.4 Remote Method Invocation (RMI); RMI Terminology,</p> <p>5.5 Common Object Request Broker Architecture (CORBA),</p> <p>5.6 What is Java IDL?, Example: The Hello ClientServer, Java Beans, The BeanBox,Running the BeanBox</p> <p>5.7 Networking in Java: Networking in Java; URL. Objects</p> <p>5.8 Java Server Pages and Servlets: Java Server Pages (ISP),</p> <p>5.9 What is needed to write ISP based web application?, How does ISP look?, How to test a JSP?</p> <p>5.10 Servlets, History of Web Application, Web Architecture, Servlet Life Cycle</p>
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Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+Sl)
CO 1: Understand the features and applications of Java.	11	1	1	13
CO 2: At the end of this chapter the student will use various input output operations and control statements .	13	1	1	15
CO 3: Acquire concept of java programs using inheritance and interface.	13	1	1	15
CO 4: To Identify Java code utilities in applets, Java packages, and classes.	13	1	1	15
CO 5: Understand the concept of JDBC and JSP, java beans ,ODBC.	10	1	1	12
Total Hours	60	05	05	70

Suggestion for End Semester Assessment

Suggested Specification Table(For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Features of JAVA	01	01	03	05
CO-2	Operators and Control Statements	01	01	03	05

CO-3	Inheritance,Interface,Exception Handling,Stream Classes	-	0 3	10	13
CO-4	Applets, Swing	-	0 3	10	13
CO-5	Java Data Base Connectivity	01	0 3	10	14
Total		03	1 2	36	50

Legend: R:Remember, U:Understand, A:Apply

Legend:1–Slight (Low),2–Medium, 3–High

Suggested Instructional/Implementation Strategies:

1. ImprovedLecture
2. Tutorial
3. CaseMethod
4. GroupDiscussion
5. Brainstorming

Suggested Learning Resources:

(a) Books:

S. No.	Title	Author	Publisher	Edition&Year
1	Programming with Java	E Balagurusamy	<i>BPB Publication.</i>	
2	OCA Java SE 8	Kathy Sierra, Bert Bates, Elisabeth Robson	<i>BPB Publication</i>	
3	Java The Complete Reference	Herbert Schildt		

CO-PO-PSO

Mapping

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Program Outcomes	Engineering knowledge	Problem Analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Being able to comprehend and put knowledge of software application analysis, design, and development to use.	Apply knowledge and skills for computer practice while upholding social, ethical, and environmental responsibilities.	The capacity to work with cutting-edge computing systems and pursue employment in the IT sector, including consulting, research and development,
CO1	2	2	3	3	3	1	1	3	1	1	1	3	1	2	3
CO2	1	3	2	3	2	2	2	2	1	1	1	3	2	2	2
CO3	2	2	2	3	3	2	1	2	1	1	1	3	3	3	3
CO4	1	2	3	2	3	2	1	3	1	2	1	3	3	2	2
CO5	1	2	2	2	3	2	1	3	1	1	1	3	1	2	3

COs & SOs /*-No.	COs No. & Titles	SOs No.	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning
5,6,7,8, 12 2,3	CO 1: Understand the features and applications of Java.	SO1:1.1 SO2:1.2 SO3:1.3 SO4:1.4 SO5:1.5	LI:1.1 LI:1.2 LI:1.3 LI:1.4 LI:1.5 LI:1.6	Unit-1: Features of Java 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11	As Menti in Pag — —
5,6,7,8 1,12 2,3	CO 2: At the end of this chapter the student will use various input output operations and control statements.	SO1:2.1 SO2:2.2 SO3:2.3 SO4:2.4 SO5:2.5	LI:2.1 LI:2.2 LI:2.3 LI:2.4 LI:2.5 LI:2.6	Unit-2 :Operators and Control Statements 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,1.12,2.13	
5,6,7,8 1,12 2,3	CO 3: Acquire concept of java programs using inheritance and interface.	SO1:3.1 SO2:3.2 SO3:3.3 SO4:3.4 SO5:3.5 SO6:3.6 SO7:3.7	LI:3.1 LI:3.2 LI:3.3 LI:3.4 LI:3.5 LI:3.6	Unit-3 :Inheritance, Interface, Exception Handling Stream Classes 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,1.12,2.13	
5,6,7,8 1,12 2,3	CO 4: To Identify Java code utilities in applets, Java packages, and classes.	SO1:4.1 SO2:4.2 SO3:4.3 SO4:4.4	LI:4.1 LI:4.2 LI:4.3 LI:4.4 LI:4.5 LI:4.6	Unit-4: Applets swing 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13	
5,6,7,8 1,12 2,3	CO 5: Understand the concept of JDBC and JSP, java beans , ODBC.	SO1:5.1 SO2:5.2 SO3:5.3 SO4:5.4 SO5:5.5	LI:5.1 LI:5.2 LI:5.3 LI:5.4 LI:5.5 LI:5.6	Unit5: Java Database and Connectivity 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10	

Course Curriculum Map

AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of B.A All Program

(Revised as on 01.08.2023)

Course Code: 01CA601

Course Title : Multimedia Tools and Applications

Pre-requisite: Student should have basic knowledge of computer.

Rationale: Study of this subject will develop different skills in students to create and manage the websites.

Course Outcomes:

On successful completion of this course, the students will be able to:

CO1: To gain knowledge about basics of Multimedia tools and its applications.

CO2: To understand the representation of different multimedia data and different data formats.

CO3: To work with all aspects of text, audio, images and video.

CO4: To understand the principles of multimedia authoring paradigm and tools.

CO5: To apply different compression principles, compression techniques and compression standards.

Scheme of Studies:

Course Category	Course Code	Course Title	Scheme of studies(Hours/Week)					Total Credits(C)
			CI	LI	SW	SL	Total Study Hours(CI+LI+SW+SL)	
	01CA601	Multimedia Tools and Applications	4	2	1	1	10	6

Legend:

CI: Class room Instruction (Includes different instructional strategies i.e. Lecture(L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Scheme of Assessment:

Theory

C S e	Course	Scheme of Assessment (Marks)									
		Progressive Assessment (PRA)							End Semester Assessment (ESA)	Total Marks (PRA + ESA)	
	Title	Class/Home	Assignment number marks	3 Class Test 2 best out of 3 marks	10 each	Seminar one SA)	Class Activity any one CAT)	Class Attendance AT	Total Marks CA+CT+S A+CAT+A T)		
601 CA	Multimedia Tools and Applications		15	20		5	5	5	50	50	100

Course-Curriculum Detailing:

This course Curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO1: To gain knowledge about basics of Multimedia tools and its applications.

	Approximate Hours
Item	AppX Hrs

CI	
LI	
SW	12
SL	06
Total	02
	01
	21

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
SO1.1 To Understand the basics of multimedia.	1. Write a Program to include a paragraph in Web Page	Unit-1: Introduction to Multimedia 1.1 Introduction to multimedia	.
SO1.2 Understanding basic concept of multimedia.	2. Write a Program of include image in Web Page using HTML.	1.2 Basic Concept, 1.3 Definition, Components of Applications of Multimedia; 1.4 Applications of Multimedia; 1.5 Hypermedia and Multimedia;	
SO1.3 Understanding the applications of multimedia.	3. Write a Program of including video in Web Page using HTML.	1.6 Multimedia Hardware 1.7 Multimedia Software; 1.8 Multimedia Software Tools;	
SO1.4 Understanding concept of hypermedia and multimedia.		1.9 Presentation Tools.	
SO1.5 To learn about the software tools.			

SW-1 Suggested Sessional Work(SW):

CO2: To understand the representation of different multimedia data and different data formats.

Approximate Hours

12
06
02
01
21
AppX Hrs

Item
CI
LI
SW
SL
Total

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
SO2.1 To learn about the controls.	1. Create a web page for a clothing company	Unit-2: Multimedia Controls 2.1 Text: Fonts & Faces, 2.2 Using Text in Multimedia, 2.3 Font Editing & Design Tools 2.4 Hypermedia & Hypertext. Images: Still Images —bitmaps, 2.5 vector drawing, 3D drawing & rendering, 2.6 Basic steps for image processing, 2.7 Color Management System (CMS), 2.8 Natural light & colors, computerized colors, 2.9 Color palettes, image file formats.	
SO2.2 To learn about the text, font editing and design tools.	which contains all the details of that company and at least five links to other web pages.		
SO2.3 To learn about the images processing.			
SO2.4 To learn about the CMS.			
SO2.5 To learn about the natural light and colors & computerized colors.	2. Write a program to show a bitmap image on your computer screen. 3. Write a program to play "wave" or "midi" format sound files.		

SW-2 Suggested Sessional Work(SW):

12
06
02
01
21

CO3: To work with all aspects of text, audio, images and video.

		Approximate Hours
		Item AppX Hrs
SO3.1 To understand the concept of digital audio and video and quantization and transmission of audio.	1. Write a program to show animation of solar system.	Unit-3 : Digital Audio and Video and Quantization and Transmission of Audio 3.1 Characteristics of sound and Digital audio,
SO3.2 To learn about the various characteristics of sound and digital audio.	2. Write a program to show animation of a ball moving in a helical path.	3.2 Digital Audio systems, MIDI, Audio file formats, 3.3 Characteristics of digital video,
SO3.3 To learn about the digital audio system.	3. Design Banner using graphical processing tool.	3.4 Using Audio in Multimedia Applications. 3.5 Quantization and Transmission of Audio
SO3.4 To learn about coding of audio and pulse code modulation.		3.6 Coding of Audio; 3.7 Pulse Code Modulation;
SO3.5 To learn about the DPCM, DM and ADPCM.		3.8 Differential Coding of Audio; 3.9 Lossless Predictive Coding; DPCM; DM; ADPCM.

12
06
02
01
21

SW-3 Suggested Sessional Work (SW):

CI
LI
SW
SL
Total

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
CO4: To understand the principles of multimedia paradigm and tools.			authoring
		Approximate Hours	

Item	AppX Hrs
CI	12
LI	06
SW	02
SL	01
Total	21

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
SO4.1 To understand the concept of multimedia authoring.	1. Convert given image into different	Unit-4: Multimedia Authoring 4.1 Introduction,	
SO4.2 To Learn about the image formats. different authoring tools.	2. Develop a webpage which	4.2 Types of Authoring Tools	
SO4.3 To Learn about the card or page based, icon based and time based.	3. Design wallpaper showing	4.3 Card or Page-Based, shows animation 4.4 Icon-Based, with sound effects 4.5 Time-Based, using any	
SO4.4 To learn about multimedia tool selection.	the professional HTML editor.	4.6 Object-Oriented; 4.7 Multimedia tool	
SO4.5 To learn about the features of tool..	3. Design wallpaper showing	4.8 Tool feature,	
4.9 selecting the right water drop effect in authoring paradigm.			

image.

SW-4 Suggested Sessional Work (SW):

CO5: To apply different compression principles, compression techniques and compression standards.

Approximate Hours	
Item	AppX Hrs
CI	12
LI	06
SW	02
SL	01
Total	21

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
SO5.1 To Understand the concept of compression techniques.	1. Develop a compression webpage by Embedding	Unit-5:Compression Techniques 5.1Introduction, Lossless Compression Techniques.	
SO5.2 To understand the concept of Huffman coding.	2. Develop GIF	5.2 Huffman Coding, 5.3 Dictionary Based	

image

SO5.3 To learn about the using Coding, 5.4 Arithmetic
dictionary based and arithmetic graphical
Coding.
coding. processing tool.

5.6 Lossless Image

3. Develop

SO5.4 To learn about the Compression, 5.7 Lossy
lossless and lossy image images using
Compression Techniques,
compression techniques. RGB/CMY/HSB

5.8 JPEG image

color models.

SO5.5 To learn about the JPEG, compression,
audio and video compression. 5.9 Audio compression,
Video compression.

SW-5 Suggested Sessional Work(SW):

Brief of Hours suggested for the Course Outcome

Course Outcomes hour (CI+SW+SI)	Class	Laboratory	Sessional	Self	Total
	Lecture	Instruction	Work	Learning	
	(CI)	(LI)	(SW)	(SI)	
	CO 1: To gain knowledge about basics of Multimedia tools and its applications.	12	06	02	1
CO 2: To understand the representations of different multimedia data and different data formats.	12	06	02	1	21
CO 3: To work with all aspects of text, audio, images and video.	12	06	02	1	21
CO 4: To understand the principles of multimedia authoring paradigm and tools.	12	06	02	1	21
CO 5: To apply different compression principles, compression techniques and compression standards.	12	06	02	1	21
Total Hours	60	30	10	5	105

Suggestion for End Semester Assessment

Suggested Specification Table(ForESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Introduction to Multimedia	02	01	02	05
CO-2	Multimedia Controls	02	06	02	10
CO-3	Digital Audio and Video and Quantization and Transmission of Audio	03	07	03	13
CO-4	Multimedia Authoring	02	10	03	15
CO-5	Compression Techniques	03	02	02	07
Total		12	26	12	50

Legend: R: Remember,

U: Understand,

A: Apply

The end of semester assessment for Web Technology will be held with written examination of 50 marks.

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks.
Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

65. Improved Lecture
66. Tutorial
67. Case Method
68. Group Discussion
69. Role-play
70. Visit to cement plant
71. Demonstration
72. ICTBasedTeachingLearning(VideoDemonstration/TutorialsCBT,Blog ,Facebook, Twitter,WhatsApp,Mobile,Onlinesources)
73. Brainstorming

Suggested Learning Resources:

(I) Books:

S. No.	Title	Author	Publisher	Edition & Year
1	"Multimedia and Web Technology",	Ramesh Bangia,	Firewal I Media.	
2	Multimedia System Design.	P. K. and Leigh, Kiran Thakrar		
3	"Introduction to Multimedia",	Ana Weston Solomon,	Tata McGraw-Hill.	
4	"Multimedia Systems", Addison Wesley,	John F. Koegel Buford,	Pearson Education.	
5	Multimedia System Design	Prabhat K. Andleign, Kiran thakrar	prentice hall Publication.	

Curriculum Development Team

Dr. Mirza Samiulla Beg, Department of Arts.

CO-PO-PSO Mapping

PO NO.	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Program Outcomes	Engineering knowledge	Problem Analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Being able to comprehend and put knowledge of software application analysis, design, and	Apply knowledge and skills for computer practice while upholding social, ethical, and	The capacity to work with cutting - edge computing systems and pursue employment in the IT
CO1	2	2	3	3	3	1	1	3	1	1	1	3	3	2	3
CO2	1	3	2	3	2	2	2	2	1	1	1	3	2	2	3
CO3	2	2	2	3	3	2	1	2	1	1	1	3	2	2	3
CO4	1	2	3	2	3	2	1	3	1	2	1	3	2	3	2
CO5	1	2	2	2	3	2	1	3	1	1	1	3	3	3	3

Course Curriculum Map

Cos No. & Titles / *-No.	Cos No. & Titles	SOs No.	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self
5,6,7,8,12,2,3	CO1: To gain knowledge about basics of Multimedia tools and its applications.	SO1:1.1 SO2:1.2 SO3:1.3 SO4:1.4 SO5:1.5	LI:1.1 LI:1.2 LI:1.3	Unit-1: Introduction to Multimedia 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9	As Menti in Pag
5,6,7,8,12,2,3	CO2: To understand the representation of different multimedia data and different data formats.	SO1:2.1 SO2:2.2 SO3:2.3 SO4:2.4 SO5:2.5	LI:2.1 LI:2.2 LI:2.3	Unit-2 : Multimedia Controls 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9	
5,6,7,8,12,2,3	CO3: To work with all aspects of text, audio, images and video.	SO1:3.1 SO2:3.2 SO3:3.3 SO4:3.4 SO5:3.5	LI:3.1 LI:3.2 LI:3.3	Unit-3 : Digital Audio and Video and Quantization and Transmission of Audio 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9	
5,6,7,8,12,2,3	CO4: To understand the principles of multimedia authoring paradigm and tools.	SO1:4.1 SO2:4.2 SO3:4.3 SO4:4.4 SO5:4.5	LI:4.1 LI:4.2 LI:4.3	Unit-4: Multimedia Authoring 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9	
5,6,7,8,12,2,3	CO5: To apply different compression principles, compression techniques and compression standards.	SO1:5.1 SO2:5.2 SO3:5.3 SO4:5.4 SO5:5.5	LI:5.1 LI:5.2 LI:5.3	Unit5: Compression Techniques 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9	

AKS University
Faculty of Social Science and Humanities
Department of Arts
Curriculum of B.A Computer
(Revised as on 01.08.2023)

Course Code: 05CA601

Course Title : Python Programming

Pre-requisite: Student should have basic knowledge of programming.

Rationale: Study of this subject will develop different skills in students to create and manage the websites. Concepts like build in data types will helpful to develop front end static and dynamic web pages design of website.

Course Outcomes:

On successful completion of this course, the students will be able to:

CO 1. Students will be able to write Python code efficiently, understand its syntax rules, and apply them to solve various programming challenges..

CO 2. Students will grasp fundamental programming concepts like variables, data types, control structures (loops and conditionals), functions, and object-oriented programming (classes, objects, inheritance, etc.)

CO 3. Python's versatility allows you to solve a wide range of problems, from simple scripting tasks to complex data analysis and machine learning projects. Learning Python often enhances your problem-solving abilities.

CO 4. Students will be developing web applications using Python frameworks like Django or Flask. This involves creating dynamic web pages, handling user input, interacting with databases, and more.

CO 5. Students will be able to understand the concept of database in MySQL.

Scheme of Studies:

Course Category	Course Code	Course Title	Scheme of studies(Hours/Week)					Total Credits(C)
			CI	LI	SW	SL	Total Study Hours(CI+LI+SW+SL)	
	05CA601	Python Programming	3	1	1	1	7	4

Legend:

CI: Class room Instruction (Includes different instructional strategies i.e. Lecture(L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Scheme of Assessment:

Theory

Sl. No.	Course Title	Scheme of Assessment (Marks)		
		Progressive Assessment (PRA)		

		Class/Home	Assignment number marks	3 Class Test 2 best out of 3) marks	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance AT	Total Marks CA+CT+S A+CAT+A (T)	End Semester Assessment (ESA)	Total Marks PRA (ESA)
CA	Python Programming		5	(2)	5	5	5	50	50	100

Course-Curriculum Detailing:

This course Curriculum illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO1. Students will be able to write Python code efficiently, understand its syntax rules, and apply them to solve various programming challenges.

Approximate Hours	
Item	AppX Hrs
CI	12
LI	03
SW	02
SL	00
Total	17

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
SO1.1 Understand basics of python programming.	1. Write a program to demonstrate basic data type in python.	Unit-1: Parts Python Programming Language 1. Python Interpreter/Shell, Identifiers, Keywords and Expressions, Variables 3. Operators	
SO1.2 Understanding various control flow statements.	2. Create a list and perform the following methods 1) insert () 2) remove() 3) append()	4. Precedence and Associativity 5. Data types, Indentation, Comments, Reading Input, Print Output,	
SO1.3 Understanding types of List data types in python programming. 4) len() 5) pop() 6)	clear()	6. Type Conversions, The type() function and Is operator	
SO1.4 Understanding the concept of reading input, print output and type functions. perform the	3. Create a tuple and following methods 1) Add items 2) len() 3) check for item in tuple 4) Access items	7. Dynamic and Strongly Typed Language. 8. The if Decision Control Flow Statement, 9. The if...else Decision Control Flow Statement	
SO1.5 Understand the concept of IsOperator.			

10. The if...elif...else Decision Control Statement
11. Nested if Statement, The while Loop
12. The for Loop, The continue and break Statements.

SW-1 Suggested Sessional Work(SW): b.

Assignments

CO 2. Students will grasp fundamental programming concepts like variables, data types, control structures (loops and conditionals), functions, and object-oriented programming (classes, objects, inheritance, etc.)

		Approximate Hours
SO2.1 To Understand the concept of functions.	a. TO PERFORM	3. Write a python program to print a
SO2.2 To learn about types of functions.	ADDITON, b. TO PERFORM	(SL)
SO2.3 To implements the concept of functions with example. SO2.4 To understand the concept of strings.	SUBTRACTION	Unit-2: Functions
SO2.5 To learn about different types of strings methods.	c. TO PERFORM	1.Built-In Functions
1. Create a dictionary and apply	MULTIPLICATION	2.Commonly Used Modules, 3.Function Definition and
	4. TO PERFORM	Calling the Function,
	DIVISION	4.The return Statement and void Function,
	Accepts users input	

Item	AppX Hrs
CI	12
LI	03
SW	02
SL	00
Total	17

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning
the following methods a) Print the dictionary items, b) access items, c) use get() ,d)change values ,e) use len() 2. Write a program to create a menu with the following options	and perform the operation accordingly. Use functions with arguments.	5. Scope and Life time of Variables, 6.Default Parameters, 7. Command Line Arguments. 8.Creating and Storing Strings,	

9. Basic String operations, 11.String Slicing
10.Accessing Characters in String by Index Number, 12. Joining, String methods.
number is positive/negative using if-else.

SW-2 Suggested Sessional Work(SW)

.

CO 3.

Python's versatility allows you to solve a wide range of problems, from simple scripting tasks to complex data analysis and machine learning projects. Learning Python often enhances your problem-solving abilities.

Approximate Hours	
Item	AppX Hrs
CI	12
LI	03
SW	02
SL	00
Total	17

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning
<p>(SL)</p> <p>SO3.1 Learn about the concept of lists.</p> <p>SO3.2 Learn about the concept of dictionaries.</p> <p>SO3.3 Learn about the concept of tuples.</p> <p>SO3.4 Learn about the concept of sets.</p> <p>SO3.5 Learn about the relation between lists, tuples and sets.</p> <p>days to your present date and print the</p>	<p>1. Write a program for filter() to filter from a given list.</p> <p>2. Indexing and Slicing in Lists, program to print date,</p> <p>3. Built-In Functions Used on Lists, time for today and List Methods, The del Statement,</p> <p>4. Creating Dictionary,</p> <p>3 Write a python program to add some value pairs in Dictionaries,</p> <p>date added.</p>	<p>Unit-3 : Built in Data Types</p> <p>1. Creating Lists, Basic List Operations,</p> <p>2. Indexing and Slicing in Lists,</p> <p>3. Built-In Functions Used on Lists,</p> <p>4. Creating Dictionary,</p> <p>5. Accessing and modify in key:</p> <p>6. Built-In Functions Used on Dictionaries,</p> <p>7. Dictionary methods The del Statement.</p>	<p>Self Learning</p>

CO 4.

- 8. Creating Tuples,
- 9. Basic Tuple Operations, Indexing and Slicing in Tuples,
- 10. Built-In Functions Used on Tuples,
- 11. Relations between Tuples and Lists, Relations between Tuples and Dictionaries,
- 12. Tuple Methods, Using zip() Function, Sets, Set Methods, Frozenset.

SW-3 Suggested Sessional Work (SW):

a. Assignments

Students will be developing web applications using Python frameworks like Django or Flask. This involves creating dynamic web pages, handling user input, interacting with databases, and more.

Session Outcomes (SOs)	Laboratory Instruction (LI)	
SO4.1 Learn about the files and types of files.	1. Write a program to count the numbers of characters in the string and store them in a dictionary	c t e r s i n a g i v e n f i l e n g t h a r a c t e r s
SO4.2 Learn about the pickle module.		
SO4.3 Learn about the reading and writing CSV files.		
SO4.4 Learn about the creating classes in python.	2. Write a program to count frequency of	
SO4. Learn about the concept of object oriented programming.		

CO 5.

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Item	AppX Hrs	
CI	12	
LI	03	
SW	02	
SL	00	
Total	17	
	Classroom Instruction	Self
	(CI)	Lear
	ning	
	(SL)	
	Unit-4: Files	
	1.Types of files,	
	2.Creating and Reading Text	
	Data, 3.File Methods to Read	
	and Write Data,	
	4.Reading and Writing Binary	
	Files, 5.The Pickle module,	

CO 7.

6. Reading and writing CSV files, 7.Classes and Objects, 8. Creating Classes in Python, 9. Creating Objects in Python, 10.The Constructor Method, Classes with Multiple Objects,

11. Class Attributes versus Data attributes, 12.Encapsulation, Inheritance, The Polymorphism.

SW-4 Suggested Sessional Work (SW):

b. Assignments

Students will be able to understand the concept of database in MySQL.

Item	Approximate Hours
	AppX Hrs
CI	12
LI	03
SW	02
SL	00
Total	17

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
<p>SO5.1 Learn creating the GUI form and Adding Widgets. SO5.2 Learn about the layout management.</p> <p>SO5.3 Learn about the database.</p> <p>SO5.4 Learn about the python GUI database.</p> <p>SO5.5 Learn about the enhancing look and feel of GUI using different appearances of widgets.</p>	<p>1. Write a python program concatenate the data frames with two different</p>	<p>Unit-5: GUI Form and Adding to Widgets</p> <p>1.Widgets: Button, Canvas,</p> <p>2.Check button, Entry, Frame,</p> <p>3.Label, List box, Menu button, Menu, Message,</p>	

CO 8.

objects

2. Write a python text, Top level, Spin box, code to read a csv

4. Radio button, Scale, Scrollbar, accepts the radius of a circle from user and computes the area (use math

file using pandas

module and print

the first and last

five lines of a file.

3. Write a python program

5. Paned Window, Label Frame,

t
k
M
e
s
s
a
g
e
b
o
x
.

6. Handling Standard attributes

and Properties of Widgets.

7. Designing GUI applications with proper Layout Management

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c
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a
t
u
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e

s.

8. Look and Feel Customization:

Enhancing Look and Feel of

GUI using different appearances

of widgets.

9. Connecting to a MySQL

database from Python,

10. Configuring the MySQL connection, Designing the Python GUI database,

11. Using the INSERT command, Using the UPDATE command,

12. Using the DELETE command, Storing and

retrieving data from MySQL database.

SW-5 Suggested Sessional Work(SW):

b. Assignments

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (CI)	Suggestion for End Semester Assessment			
		Laboratory hour	Sessional	Self	Total
		Instruction (LI)	Work (SW)	Learning (SI)	(CI+SW+SI)
CO 1. Students will be able to write Python code efficiently, understand its syntax rules, and apply them to solve various programming challenges.	12	3	2	00	17
CO 2. Students will grasp fundamental programming concepts like variables, data types, control structures (loops and conditionals), functions, and object-oriented programming (classes, objects, inheritance, etc.)	12	3	2	00	17
CO 3. Python's versatility allows you to solve a wide range of problems, from simple scripting tasks to complex data analysis and machine learning projects. Learning Python often enhances your problem-solving abilities.	12	3	2	00	17
CO 4. Students will be developing web applications using Python frameworks like Django or Flask. This involves creating dynamic web pages, handling user input, interacting with databases, and more.	12	3			17
CO 5. Students will be able to understand the concept of database in MySQL.	12	2			00 17
Total Hours	60	3	2	00	17
		15	10		85

Suggested Specification Table(ForESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Parts Python Programming Language	02	01	02	05
CO-2	Functions	02	06	02	10
CO-3	Built in Data Types	03	07	03	13
CO-4	Files	02	10	03	15
CO-5	GUI Form and Adding Widgets	03	02	02	07
Total		12	26	12	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Web Technology will be held with written examination of 50 marks.

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

74. Improved Lecture
75. Tutorial
76. Case Method
77. Group Discussion
78. Role-play
79. Visit to cement plant
80. Demonstration
81. ICTBasedTeachingLearning(VideoDemonstration/TutorialsCBT,Blog, Facebook, Twitter, WhatsApp, Mobile, Onlinesources)
82. Brainstorming

Suggested Learning Resources:**(m) Books:**

S. No.	Title	Author	Publisher	Edition & Year
1	Introduction to Python Programming	Gowrishankar S, Veena A	1st Edition, CRC Press/Taylor	2018
2	Python Crash Course- A Hands-On, ProjectBased Introduction to Programming	Eric Matthes	2nd Edition, No Starch Press	2019
3	Core Python Applications Programming	Wesley J. Chun	3rd Edition, Pearson Education	2016

4	Introduction to Computing Using Python- An Application Development Focus	Ljubomir Perkovic	Wiley	2012
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Curriculum Development Team :Dr. Mirza Samiulla Beg, Department of Arts.



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CO-PO-PSO Mapping

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Program Outcomes	Engineering knowledge	Problem Analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Being able to comprehend and put knowledge of software application analysis, design, and	Apply knowledge and skills for computer practice while upholding social, ethical, and	The capacity to work with cutting-edge computing systems and pursue employment in the IT
CO1	2	2	3	3	3	1	1	3	1	1	1	3	2	2	3
CO2	1	3	1	2	2	2	2	2	1	2	1	3	3	2	3
CO3	2	1	3	1	3	2	1	2	2	2	1	2	2	2	3
CO4	2	2	3	2	2	2	1	2	1	2	2	3	3	2	3
CO5	3	1	2	3	3	2	1	3	2	1	2	3	3	2	2



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POs & PSOs /*-No.	COs No. & Titles	SOs No.	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
4,5,6,7,8,11,12 :1,2,3	CO 1. Students will be able to write Python code efficiently, understand its syntax rules, and apply them to solve various programming challenges.	SO1:1.1 SO2:1.2 SO3:1.3 SO4:1.4 SO5:1.5	LI:1 LI:2 LI:3	Unit-1: Parts Python Programming Language 1,2,3,4,5,6,7,8,9,10,11,12	As Mention in Page _____ to _____
4,5,6,7,8,11,12 :1,2,3	CO 2. Students will grasp fundamental programming concepts like variables, data types, control structures (loops and conditionals), functions, and object-oriented programming (classes, objects, inheritance, etc.)	SO1:2.1 SO2:2.2 SO3:2.3 SO4:2.4 SO5:2.5	LI:1 LI:2 LI:3	Unit-2 : Functions 1,2,3,4,5,6,7,8,9,10,11,12	

Course Curriculum Map



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	CO 3. Python's versatility allows you to solve a wide range of problems, from simple scripting tasks to complex data analysis and machine learning projects. Learning Python often enhances your problem-solving abilities.	SO1:3.1 SO2:3.2 SO3:3.3 SO4:3.4 SO5:3.5	LI:1 LI:2 LI:3	Unit-3 : Built in Data Types 1,2,3,4,5,6,7,8,9,10,11,12
	CO 4. Students will be developing web applications using Python frameworks like Django or Flask. This involves creating dynamic web pages, handling	SO1:4.1 SO2:4.2 SO3:4.3 SO4:4.4 SO5:4.5	LI:1 LI:2 LI:3	Unit-4: Files 1,2,3,4,5,6,7,8,9,10,11,12
	interacting with databases, and more. CO 5. Students will be able to understand the concept of database in MySQL.	SO1:5.1 SO2:5.2 SO3:5.3 SO4:5.4 SO5:5.5	LI:1 LI:2 LI:3	Unit5: GUI Form and Adding Widgets 1,2,3,4,5,6,7,8,9,10,11,12

Semester-I

Course Code: 91CA207-B

Course Title : FINANCIAL ACCOUNTING WITH TALLY

Pre-requisite: Diploma level course in Tally and Basic Knowledge of Accounting



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Rationale:

Introduce students to the concept of Accounting and Basics of Tally Accounting software. To familiarize students with basic paradigms and learn to create company, enter accounting voucher entries and create various type of Account books for the accounting purpose. Accounting elements used in Various Day to day life and Business Market. Students should be able to understand to prepare, print financial statements, etc. in Tally Accounting software and Future of Tally in Business Market.

Course Outcomes:

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91CA207-B.1: Analyze the Basic Concept of Accounting, Accounting Software and working with Company and Various Configurations.

91CA207-B.2: Analyze/Examine the basic terminologies - Groups and Ledgers, Vouchers, Bank Reconciliation, Interest, Budget etc.

91CA207-B.3: Analyze various Accounting reports and Account Books.

91CA207-B.4: Analyze/Examine Inventory and Working with Inventory and Exceptional reports.

91CA207-B.5: Analyze/Prepare and print financial statements, Tally Audit, Security control etc. in Tally Accounting software

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)				Total Study Hours (CI+LI+SW+SL+T)	Total Credits (C)
			CI	LI	SW	SL		
Program Core (PCC)	91CA207-B	Financial Accounting with Tally	3	2	2	1	8	4

Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory or workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback teachers ensure outcome of Learning. **Scheme of Assessment:**



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Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)											
			Progressive Assessment (PRA)							End Semester	Total Marks PRA (ESA)			
(Revised as on 01 August 2023)														
PCC	CA 91 7-B	Financial Accounting with Tally	Class/Home Assignment 5 number marks each (CA)	Class Test 2 best out of 3 marks each 10	CT Seminar one (SA)	5	Class Activity any one (CAT)	5	Class Attendance (AT)	5	Total Marks (CA+CT+SA+CAT+AT)	50	50	100

Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self-Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

91CA207-B.1: Analyze the Basic Concept of Accounting, Accounting Software and working with Company and Various Configurations

Item	Approximate Hours Appx. Hrs.
CI	12
LI	5
SW	3
SL	3
Total	23



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Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
SO1.1 Discuss Accounting and Accounting Software.	LI01: Basic Concepts of Accounting and Terminologies.	Unit-1. Basic Concepts of Accounting and Tally Software.	3. Study of Basic Concepts of Accounting and Accounting Terminologies.
SO1.2 Analyze Cost Centre, Inventory.	LI02: Working with Configuration & INI setup LI03: Working with Company	1.13 Basic Concepts of Accounting. 1.14 Financial Statements and Analysis. 1.15 Cost Centre and Basic concepts of Inventory.	g and Accounting Terminologies.
SO1.3 Elaborate Tally Configuration & INI setup	Details - Create/Alter/ Select/Load/Close a Company.	1.16 Tally Configuration & INI setup. 1.17 Single & Multiple User.	4. Study of Basic Company Detail.
SO1.4 Discuss Basic Company Details.	LI04: Mouse/ Keyboard Conventions & Key	1.18 Tally Screen Components Concept. 1.19 Mouse/Keyboard Conventions & Key Combinations	5. Study of Various Configuration.
SO1.5 Define Company Features, and Configuration	LI05: Company Features, and Configuration.	1.20 Switching between screen areas, Quitting Tally. 1.21 Maintaining Company Data. 1.22 Basic Company Details - Create/Alter/ Select/Load/Close a Company 1.23 Chart of Accounts. 1.24 Company Features, and Configuration.	

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SW-1 Suggested Sessional Work (SW): c.

Assignments:

1. Explain Tally Configuration & INI setup.
 2. Discuss Tally Screen Components Concept with suitable Diagram.
 3. Explain working with Company Details - Create/Alter/ Select/Load/Close a Company.
- b. Other Activities (Specify):**
Seminar and Presentation

91CA207-B.2: Analyze/Examine the basic terminologies - Groups and Ledgers, Vouchers, Bank Reconciliation, Interest, Budget etc.

Item	Approximate Hours Appx. Hrs.
CI	15
LI	6
SW	3
SL	3
Total	27

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self- Learning (SL)
SO2.1 Discuss Group and Ledger in Tally.	LI01: Basic Concepts/ Operation of Group. LI02: Basic Concepts/ Operation of Ledger.	Unit-2 Vouchers, Transactions and Budget- Scenarios	1. Study of different Types of Voucher.
SO2.2 Explain Voucher and Types of		2.1 Introduction and Working on Group.	2. Study



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Voucher	LI03: Explain Working with Various Accounting	2.2 Introduction and Working on Ledger.	applications of group and ledger.
SO2.3 Discuss Bank Reconciliation Voucher.			
statement.		2.3 Introduction and Working on Accounting voucher.	3. Study of Budget and Scenarios
SO2.4 Explain Interest calculation	LI04: Explain Budget and working with Budget.		
SO2.5 Discuss Budget and Scenario	LI05: Work on Transaction using Bill wise detail.	2.4 Various Accounting Voucher	

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LI06: Construct Scenario.	transactions.		
	2.5 Account transactions	Invoice	
	2.6 Introduction and working on Excise Invoice, Export Invoice.		
	2.7 Introduction and working on Transactions using Bill-wise details.		
	2.8 Explain Bank Reconciliation.		
	2.9 Introduction and working on Interest calculations- using simple &		



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advance

parameters,

outstanding

balances & on

invoices and

adjustment of

interest.

2.10 What is Voucher class-

Creation, Invoice

entry in a class

situation

2.11 Explain Budgets-

Budgets for

groups, ledgers

& cost center.

2.12 Display Budgets &

variances

2.13 Defining credit limit

& credit

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period

2.14 What is

scenario? Create,

Alter & Delete a

scenario.

2.15 Introduce and

Work on-

Journal

Transactions,

payment

voucher,

Godown

summary

SW-2 Suggested Sessional Work (SW): a.

Assignments:

1. Explain Group in Detail with suitable Diagram.
2. Explain working with transaction using Bill wise Detail.



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3. Explain Budget and Scenarios.

b. Other Activities (Specify):

Seminar and presentation

91CA207-B.3: Analyze various Accounting reports and Account Books.

	Approximate Hours	
Item	Appx. Hrs.	
CI	11	
LI	6	
SW	3	
SL	3	
Total	23	

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**Session Outcomes
(SOs)**

**Laboratory
Instruction
(LI)**

**Classroom Instruction
(CI)**

**Self-
Learning
(SL)**



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SO3.1. Discuss Report and its Importance in Accounting.	LI01: Basic Concepts/ Operation of Report.	Unit-3: Report in tally.	1. Study Report and its Type
SO3.2. Describe Types and Reports in tally.	LI02: Basic Concepts/ Operation of Account books.	3.1 Introduce Report and Work on Various report.	2. Study of Cost Center & Cost category.
SO3.3. Explain Account books.	LI03: Explain Working with Various Ledger Group Summary & voucher.	3.2 Reports like balance sheet, Profit & Loss account, Ratio analysis, Trial Balance.	3. Study of Outstanding and Interest.
SO3.4. Explain Concept and working Of Exception reports	LI04: Explain Cost center & category.	3.3 Accounts books like cash/bank book	
SO3.5. Describe Outstanding and Interest.	LI05: Work on Transaction using Bill wise detail.	3.4 All Ledgers Group summary & vouchers.	
	LI06: Construct Exception reports.	3.5 Explain Sales, purchase & journal registers and Working on it.	
		3.6 Cost center & category summary.	
		3.7 Description of Cost centre breakup ledger & group break.	
		3.8 Outstanding receivables & payables.	
		3.9 Statistics, Cash Fund flow, Day book.	
		3.10 Introduce List of Accounts.	
		3.11 Exception reports: Reversing journals,	
		optional vouchers, and postdated vouchers.	

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SW-3 Suggested Sessional Work (SW): a.

Assignments:

1. Explain MICR and Its Working with Suitable Diagram
2. Explain OMR and Its Working with Suitable Diagram
3. Explain Digital Camera and Its Working with Suitable Diagram

b. Other Activities(Specify):

Seminar and presentation

91CA207-B.4: Analyze/Examine Inventory and Working with Inventory and Exceptional reports

Approximate Hours	
Item	Appx. Hrs.
CI	10
LI	7
SW	3



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SL 4

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Total 24

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self- Learning (SL)
SO4.1. Explain Basic of Inventory	LI01: Basic Concepts/ Operation of Inventory.	Unit-4: Inventory in tally. 4.1 Basic of Inventory. 4.2 Introduce And Working on Stock-	1. Study Inventory
SO4.2. Describe Various Inventory Vouchers	LI02: Basic Concepts/ Operation of Inventory Books.	Create, Alter & Display Stock Groups and Stock Items	Related Terms
SO4.3. Discuss Different Inventory related reports.	LI03: Explain Working with Various Inventory voucher.	Working on All 4.3 inventory voucher types and transactions	2. Study of Various Inventory Vouchers.
SO4.4. Explain Godown and Stock Query	LI04: what is Godown? Explain Working with Godown	4.4 Inventory details in accounting vouchers. Reports like Stock	3. Study Of Godown and
SO4.5. Explain inventory related Exception		4.5	4. Study Of Stock
LI05: Work on			Various



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reports

summary.

Order

Stock Transaction

4.6 Introduce and

processing

using Godown-

Working on

and

Stock Transfer,

Inventory books-

Exception

Physical Stock

Stock item, Group

Reports.

verification, etc.

summary, Stock

LI06: Introduce

transfers, Physical

and work On

stock register,

Order processing:

Movement

Purchase and

analysis.

Sales order

4.7 Stock group &

item analysis,

Processing.

stock category

LI07: Construct

analysis, Ageing

Inventory

related

analysis.

Exception

4.8 Statement of

reports

inventory related

to Godown,

Categories, stock

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query, and Reorder status.

4.9 Purchase & Sales order summary, Purchase & Sales bill pending.

4.10 Explain Exception reports like negative stock & ledger, overdue receivables & payables, memorandum vouchers, optional vouchers, postdated vouchers, reversing journal.

SW-4 Suggested Sessional Work(SW):

c. Assignments:

1. Discuss Inventory and Terms related To Inventory.
2. Explain Godown and Working on Godown.
3. Explain Some Inventory Vouchers.

d. Other Activities(Specify):

Seminar and Presentation

91CA207-B.5: Analyze/ Prepare and print financial statements, Tally Audit, Security control etc. in Tally Accounting software.

Approximate Hours

Item	Appx. Hrs.
CI	11



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(Revised as on 01 August 2023)	LI	8
	SW	3
	SL	3
	Total	25

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self- Learning (SL)
SO5.1. Describe – Cheque printing and various Format, Options.	LI01: Explain Cheque Printing with Various Print Option.	Unit 5: Print financial statements and Security Controls in Tally.	1. Study Cheque Printing and various Printing option.
SO5.2. Explain Group Company and Splitting Company.	LI02: Basic Concepts/ Operation of Multi- Account Printing.	5.1 Explain Cheque Printing. 5.2 Describe Common	2. Use knowledge of Creating Group
SO5.3. Explain Security Controls.	LI03: Explain Working with Splitting	printing options, Different printing format.	Company and Splitting company
SO4.4. Explain Database Connectivity in Tally.	Company data LI04: what is Group Company?	5.3 Introduce and Work on Multi-Account printing.	data. 3. Use of E- mail,
SO5.5. Discuss Tally Audit.	Explain Working Procedure for	5.4 Dynamic- Report and specific option in	Internet publishing,



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Group company tally. Upload.

LI05: Work on 5.5 Explain and Work

Security Control. on Creating Group

LI06: Introduce Company.

and work On Tally 5.6 Discuss Security

vault Password. and Various

LI07: Construct Security control &

tally Audit Report. defining different

LI08: Explain security levels

procedure To 5.7 Work On Use of

Export & import of Tally vault.

Data 5.8 Use of Tally Audit.

5.9 Back-up & Restore,

Splitting company

data.

(Revised as on 01 August 2023)

5.10 Export & import of Data,
ODBC

compliance in tally.

5.11 use of E-mail,
Internet publishing,
Upload, web browser &
online help, Re-write
data.



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SW-5 Suggested Sessional Work (SW): c.

Assignments:

1. Explain Cheque printing in detail.
2. Explain Security Control and Tally vault password.
3. Describe various operation like Export & import of Data, E-mail, Internet publishing, Upload.

Other Activities (Specify):

Seminar and presentation

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Laboratory Instruction (LI)	Sessional Work (SW)	Self-Learning (SI)	Total hour (Cl+SW+SI)
91CA207-B.1: Analyze the Basic Concept of Accounting, Accounting Software and working with Company and Various Configurations	12	5	3	3	23
91CA207-B.2: Analyze/Examine the	15		3	3	27

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basic terminologies - Groups and Ledgers, Vouchers, Bank Reconciliation, Interest, Budget etc.		6			
91CA207-B.3: Analyze various Accounting reports and Account Books	11	6	3	3	23
91CA207-B.4: Analyze/Examine Inventory and Working with Inventory and Exceptional reports.	10	7	3	4	24



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91CA207-B.5: Analyze/Prepare and print financial statements, Tally Audit, Security control etc. in Tally Accounting software.	11	8	3	3	25
Total Hours	59	32	15	16	122

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
91CA207-B.1	Analyze the Basic Concept of Accounting, Accounting Software and working with Company and Various Configurations	02	03	03	08
91CA207-B.2	Analyze/Examine the basic terminologies - Groups and Ledgers, Vouchers, Bank Reconciliation, Interest, Budget etc.	02	03	05	10

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91CA207-B.3	Analyze various Accounting reports and Account Books.	02	03	07	12
91CA207-B.4	Analyze/Examine Inventory and Working with Inventory and Exceptional reports.	-	3	7	10
91CA207-B.5	Analyze/Prepare and print financial statements, Tally Audit, Security control etc. in Tally Accounting software.	-	05	05	10
Total		06	17	27	50

Legend: R: Remember, U: Understand, A: Apply



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The end of semester assessment for Problem Solving and Programming will be held with written examination of 50 marks.

Suggested Learning Resources:

a. Books:

S. No.	Title	Author	Publisher	Edition & Year
1	"Tally Essential"	by Tally Education Pvt. Ltd.	Sahaj Enterprises	-
2	"Tally Prime With GST Book"	by Gaurav Agrawal	Digital Muneem Ji	Paperback – 1 January 2021
3	"Mastering in tally prime"	by Rakesh Sangwan	ASCENT PUBLICATION	Paperback – 2021

Curriculum Development Team

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COs, POs and PSOs Mapping

Program: PGDCA Computer Science

Course Code: 91CA207-B

Course Title: Financial Accounting with Tally

CourseOutcomes	ProgramOutcomes												ProgramSpecificOutcome				
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3	PSO4	PSO 5
	Engineering knowledge	Problem analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Use fundamental knowledge of math, science, and engineering to comprehend, evaluate, and create computer Programmes in the fields of algorithms, multimedia, big data analytics, machine learning, artificial intelligence, and networking for the effective design of computer-based systems of various complexity	Utilize relevant methods and cutting-edge hardware and software engineering tools to develop and integrate computer systems and related technologies. This PSO2 also encourages lifelong learning for the advancement of technology and its use in multidisciplinary settings	Applying professional engineering solutions for societal improvement while taking into account the environmental context, being conscious of professional ethics, and being able to effectively communicate.	Learn and use the most recent Artificial Intelligence and Data Science technologies in the fields of engineering and computer science	Recognize and examine issues in real life, then offer creative software solutions with the help of AI and Data Science Technologies.
CO1: Analyze the Basic Concept of Accounting, Accounting Software and working with Company and Various Configurations.	1	3	2	2	2	2	3	1	2	1	3	2	2	3	1	2	2
CO2: Analyze/ Examine the basic terminologies - Groups and Ledgers, Vouchers, Bank Reconciliation, Interest, Budget etc.	2	3	2	2	1	2	3	1	1	1	2	2	2	2	2	2	2
CO3 Analyze various Accounting reports and Account Books.	2	3	3	2	1	3	3	1	1	2	3	3	1	1	2	2	2
CO4: Analyze/Examine Inventory and Working with Inventory and Exceptional reports.	3	2	3	2	1	3	3	1	2	1	3	3	2	3	1	2	2

CO5: Analyze/ Prepare and print financial statements, Tally Audit, Security control etc. in Tally Accounting software.	2	2	3	2	1	3	3	1	1	1	2	2	2	3	1	1	2
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Legend: 1 – Low, 2 – Medium, 3 – High

POs&PSOsNo.	COsNo.&Titles	SOsNo.	Classroom Instruction
PO1,2,3,4,5,6,7, 8,9,10,11,12 PSO1,2,3,4,5	CO1: Analyze the Basic Concept of Accounting, Accounting Software and working with Company and Various Configurations.	SO1.1 SO1.2 SO1.3 SO1.4 SO1.5	Unit-1 :Introduction to Multimedia 1.1,1.2,1.3,1.4,1.5,1.9,1.10,1.11,1.12,
PO1,2,3,4,5,6,7, 8,9,10,11,12 PSO1,2,3,4,5	CO2: Analyze/Examine the basic terminologies - Groups and Ledgers, Vouchers, Bank Reconciliation, Interest, Budget etc.	SO2.1 SO2.2 SO2.3 SO2.4 SO2.5	Unit-2 :Sound in Multimedia 1.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8, 2.10, 2.11, 2.12, 2.13, 2.14,
PO1,2,3,4,5,6,7, 8,9,10,11,12 PSO1,2,3,4,5	CO3: Analyze various Accounting reports and Account Books.	SO3.1 SO3.2 SO3.3 SO3.4 SO3.5	Unit-3 :Graphics in Multimedia 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8, 3.11
PO1,2,3,4,5,6,7, 8,9,10,11,12 PSO1,2,3,4,5	CO4: Analyze/Examine Inventory and Working with Inventory and Exceptional reports.	SO4.1 SO4.2 SO4.3 SO4.4 SO4.5	Unit-4: Video and Animation 4.1,4.2,4.3,4.4,4.5,4.6, 4.9,4.10,
PO1,2,3,4,5,6,7, 8,9,10,11,12 PSO1,2,3,4,5	CO5: Analyze/Prepare and print financial statements,Tally Audit,Security control etc. in Tally Accounting software.	SO5.1 SO5.2 SO5.3 SO5.4 SO5.5	Unit-5 :Applications of Multimedia Future 5.1,5.2,5.3,5.4,5.5,5.6, 5.9, 5.10, 5.11

Course Curriculum Map

2
2.

3.

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Curriculum of Bachelor of Arts
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Semester-VI

Course Code: 05CA603

Course Title : Introduction to Cloud Computing

Pre-requisite: Basic computer systems understanding, familiarity with operating systems like Windows or Linux, proficiency in programming languages such as Python or Java, knowledge of databases and SQL, grasp of web technologies, virtualization concepts, cyber security basics, and a willingness to adapt to new technologies.

Rationale: The proposed syllabus for "Introduction to Cloud Computing" is designed to provide students with a comprehensive understanding of cloud technology. In today's digital landscape, cloud computing

plays a pivotal role, necessitating a curriculum that covers its fundamentals, historical context, and contemporary importance. By delving into topics such as cloud infrastructure, service models, and

security mechanisms, students will develop the skills needed to deploy, manage, and secure cloud-based solutions effectively.

Practical applications and case studies involving platforms like VirtualBox and AWS ensure real-world relevance, while a focus on emerging trends equips students with the agility to adapt to evolving industry demands.

Course Outcomes:

CO1: Understand the foundational concepts and historical development of cloud computing, including its significance in the contemporary era, and be able to delineate the distinguishing characteristics of cloud computing compared to traditional computing models.

CO2: Evaluate the advantages and disadvantages of cloud computing, comprehend the various technologies underpinning cloud computing, and critically analyze the implications of adopting cloud technologies in different contexts.

CO3: Differentiate between the types of clouds, elucidate the components of cloud infrastructure, and design cloud application architectures while considering emerging trends and evolving paradigms in cloud computing.

CO4: Demonstrate proficiency in deploying and managing cloud services utilizing different cloud service models and deployment models, and critically assess the strengths and limitations of various cloud computing services.

CO5: Utilize theoretical knowledge in cloud computing, virtualization, data storage management, and cloud security, through hands-on exercises and case studies on platforms like VirtualBox, Google Classroom, AWS, and G Suite.

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Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
	05CA603	Introduction to Cloud Computing	4	1	1	1	7	5

Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others).
LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)
SW: Sectional Work (includes assignment, seminar, mini project etc.),
SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)		
			Progressive Assessment (PRA)	End Semester	Total

			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)	Assessment (ESA)	Marks (PRA + ESA)
	05C A60 3	Introduction to Cloud Computing	15	20	5	5	5	50	50	100

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Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO1 Understand the foundational concepts and historical development of cloud computing, including its significance in the contemporary era, and be able to delineate the distinguishing characteristics of cloud computing compared to traditional computing models.

Approximate Hours

Item	Appx Hrs.
CI	10
LI	3
SW	1
SL	1

Total	15
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Session Out comes (SOs)	(LI)	Classroom Instruction (CI)	(SL)
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<p>SO1.1. Evolution and I Cloud Computing</p> <p>SO1.2 Importance of Cloud Computing in T</p> <p>SO1.3 Characteristics of Cloud Computing Essentials</p> <p>SO1.4 and Cons Computing</p> <p>SO1.5. Technologies Computing</p>	<p>LI3.1 Sign up for a free tier account on a cloud computing platform such as AWS, Azure, or Google Cloud.</p> <p>LI3.2 Navigate the platform's dashboard and explore the available services and features</p> <p>LI3.3. Configure the VM with appropriate specifications (e.g., CPU, memory, storage) and select an operating system image..</p>	<p>Unit-1</p> <p>1.1 Introduction to Cloud Computing Define cloud computing.</p> <p>1.2 History of Cloud Computing Trace the development of cloud computing from its inception to the present.</p> <p>1.3 Importance of Cloud Computing Explore the significance of cloud computing in various industries.</p> <p>1.4. Characteristics of Cloud Computing Define the essential characteristics of cloud computing: on-demand self-service, broad network access, resource pooling, rapid elasticity, and measured service.</p> <p>1.5. Pros of Cloud Computing Discuss the advantages of cloud computing, such as cost efficiency, scalability, flexibility, and accessibility.</p> <p>1.6 Cons of Cloud Computing Analyze the potential drawbacks of cloud computing, including security concerns, dependency on internet connectivity, and regulatory compliance challenges.</p> <p>1.7 Overview of Cloud Technologies Introduce various cloud computing models: Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS).</p> <p>1.8 Key Components and Services Explore the core components of cloud infrastructure, including virtualization, networking, storage, and management tools.</p>	<p>1.1 Identify cloud computing services in real world .</p>
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1.9 Practical Applications and Hands-on Activities

Engage students in hands-on exercises to deploy applications on cloud platforms.

1.10 What Cloud Computing Really Is and

CO2: Evaluate the advantages and disadvantages of cloud computing, comprehend the various technologies underpinning cloud computing, and critically analyze the implications of adopting cloud technologies in different contexts.

Approximate Hours

Item	Appx Hours
CI	10
LI	3
SW	1
SL	1
Total	15

Session Out comes (SOs)	(LI)	Classroom Instruction (CI)	(SL)

<p>SO2.1 Understanding Cloud Computing Fundamentals</p> <p>SO 2.2 Exploring Application Architecture</p> <p>SO 2.3 Examining Trends in Cloud Computing</p> <p>SO2.4. Analyzing Cloud Computing Pros and Cons</p> <p>SO2.5 Navigating Deployment Models</p>	<p>LI4.1 Research and identify examples of Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS) offerings from various cloud providers.</p> <p>LI4.2. Deploy the application using various cloud deployment models, such as public cloud, private cloud, hybrid cloud, and multicloud.</p> <p>LI4.3 Divide students into groups to analyze realworld scenarios or case studies involving cloud computing implementations.</p>	<p>Unit 2.</p> <p>2.1 Introduction to Cloud Computing Definition of cloud computing and its significance in modern IT.</p> <p>2.2 Types of Clouds and Cloud Infrastructure Introduction to different types of clouds: public, private, hybrid.</p> <p>2.3 Cloud Application Architecture Exploring cloud-native application design principles.</p> <p>2.4 The Working of Cloud Computing Deep dive into the underlying technologies and mechanisms of cloud computing.</p> <p>2.5 Trends in Cloud Computing Analysis of current trends shaping the cloud computing industry.</p> <p>2.6 Cloud Service Models Introduction to cloud service models: Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS).</p> <p>2.7 Cloud Deployment Models Overview of different cloud deployment models: public, private, community, hybrid.</p> <p>2.8 Pros and Cons of Cloud Computing and Services Analysis of the advantages and disadvantages of cloud computing.</p>	<p>2.1 study the architecture of cloud computing</p>
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2.9 Security and Compliance in Cloud Computing

Understanding the unique security challenges in cloud environments.

CO3: Differentiate between the types of clouds, elucidate the components of cloud infrastructure, and design cloud application architectures while considering emerging trends and evolving paradigms in cloud computing.

Approximate Hours

Item	Appx Hours
CI	15
LI	3
SW	1
SL	1
Total	20

Session Out comes (SOs)	(LI)	Classroom Instruction (CI)	(SL)

<p>SO3.1. Understanding Cloud Computing Technology</p> <p>SO3.2. Exploring the Cloud Lifecycle Model</p> <p>SO3.3. Role of Cloud Modeling and Architecture</p> <p>SO3.4. Understanding Cloud System Architecture</p> <p>SO3.5. Exploring Virtualization in Cloud Computing</p> <p>SO3.6 . Analyzing Virtualization Techniques in Cloud Computing</p>	<p>LI 3.1 Study the architecture of popular cloud platforms such as AWS, Azure, or Google Cloud, focusing on components such as compute, storage, networking, and security.</p> <p>LI3.2 Install a virtualization platform such as VirtualBox, VMware, or Hyper-V on your local machine.</p> <p>LI3.3 Choose a cloud-based project or scenario (e.g., deploying a web application, setting up a data analytics platform) to work on throughout the lab.</p>	<p>Unit-3 :</p> <p>3.1 Overview of cloud service models: Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS).</p> <p>3.2 Cloud Lifecycle Model</p> <p>Introduction to the cloud lifecycle model and its phases: planning, deployment, operations, and optimization.</p> <p>3.3 Cloud Modeling Techniques</p> <p>Understanding cloud modeling and its role in designing cloud-based solutions.</p> <p>Overview of cloud modeling techniques and frameworks, such as the Cloud Computing Reference Architecture (CCRA) and TOGAF</p> <p>3.4 Cloud Architecture Design Principles</p> <p>Exploring cloud system architecture and its key design principles.</p> <p>3.5 Virtualization Fundamentals</p> <p>Introduction to virtualization technology and its role in cloud computing.</p> <p>3.6 Types of Virtualization</p> <p>Deep dive into different types of virtualization: hardware virtualization, software-defined networking (SDN), network function virtualization (NFV).</p> <p>3.7 Cloud Security Considerations</p> <p>Understanding security challenges in cloud computing and virtualized environments.</p> <p>3.8 Cloud Performance Optimization</p>	<p>3.1 study cloud computing Model.</p>
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Strategies for optimizing cloud performance and resource utilization.

3.9. Cloud Service Level Agreements (SLAs)

CO4: Demonstrate proficiency in deploying and managing cloud services utilizing different cloud service models and deployment models, and critically assess the strengths and limitations of various cloud computing services.

Approximate Hours

Item	Appx Hours
CI	15
LI	3
SW	1
SL	1
Total	20

Session Outcomes (SOs)	(LI)	Classroom Instruction (CI)	(SL)
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<p>SO4.1 Understand storage Data Storage in Cloud Computing</p> <p>SO4.2 Data Management in Cloud Computing</p> <p>SO4.3 File System and storage Cloud Data Stores</p> <p>SO4.4 Understand to Cloud Security Characteristics</p> <p>SO4.5 Introduction of Data Cloud Cloud Mechanisms</p> <p>SO4.6. Ensuring Security in Cloud Environments.</p>	<p>LI4.1 Create storage containers or buckets and upload sample data to each data store type.</p> <p>LI4.2 Explore data lifecycle management practices in cloud computing, including data creation, storage, retrieval, and deletion.</p> <p>LI4.3 Configure access control policies to restrict unauthorized access to cloud storage resources.</p>	<p>Unit-4 :</p> <p>4.1 Introduction to Data Storage in Cloud Computing Definition of data storage and its importance in cloud computing.</p> <p>4.2. Types of Data Storage Understanding different types of data storage: object storage, block storage, file storage.</p> <p>4.3 Data Storage Management in Cloud Computing Importance of data storage management in cloud environments.</p> <p>4.4 File Systems and Cloud Data Stores Overview of file systems and cloud data stores used in cloud computing.</p> <p>4.5. Cloud Storage Characteristics Exploring the characteristics of cloud storage: scalability, durability, accessibility.</p> <p>4.6. Introduction to Cloud Security Mechanisms Overview of cloud security challenges and threats.</p> <p>4.7. Data Encryption in Cloud Computing Understanding data encryption techniques for data at rest and data in transit.</p> <p>4.8. Access Control and Authentication in Cloud Environments Overview of access control mechanisms in cloud computing:</p>	<p>4.1 Study the cloud storage management</p>
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		role-based access control (RBAC), identity and access management (IAM).	
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CO5: Utilize theoretical knowledge in cloud computing, virtualization, data storage management, and cloud security, through hands-on exercises and case studies on platforms like VirtualBox, Google Classroom, AWS, and G Suite.

Approximate Hours

Item	Appx Hours
CI	10
LI	3
SW	1
SL	1
Total	15

Session Outcomes (SOs)	(LI)	Classroom Instruction (CI)	(SL)
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<p>SO5.1 Understanding VirtualBox: Installation and Features</p> <p>SO5.2 Exploring Applications of VirtualBox</p> <p>SO5.3 Introduction to Google Classroom</p> <p>SO5.4 Case Study: VirtualBox and Google Classroom Integration</p> <p>SO5.5 Introduction to Hadoop, AWS, and G Suite</p>	<p>LI5.1. Create a new virtual machine (VM) and configure its settings, such as memory allocation, CPU cores, and storage.</p> <p>LI 5.2 Install an operating system (e.g., Ubuntu, Windows) on the VM using an ISO image or installation media.</p> <p>LI5.3. Set up a Hadoop cluster on a local machine or using a cloud-based service</p>	<p>Unit 5:</p> <p>5.1 Introduction to VirtualBox Overview of VirtualBox and its role in virtualization.</p> <p>5.2 Virtual Machine Management with VirtualBox Creating and configuring virtual machines (VMs) in VirtualBox.</p> <p>5.3 Networking in VirtualBox Configuring networking options in VirtualBox.</p> <p>5.4 Advanced Features of VirtualBox Exploring advanced features such as USB device support, shared folders, and remote display.</p> <p>5.5 Applications of VirtualBox Practical applications of VirtualBox in software development, testing, and education.</p> <p>5.6 Introduction to Google Classroom Overview of Google Classroom and its features for online learning management.</p> <p>5.7 Google Classroom in Practice Practical exercises in setting up a course, adding students, and creating assignments in Google Classroom.</p> <p>5.8 Introduction to Cloud Technologies Overview of cloud computing and its importance in modern IT.</p>	<p>5.1 Study amazons AWS and Google cloud</p>
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5.9 Introduction to AWS and G Suite

Understanding key services

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (CI)	Sessional Work (SW)	Self Learning (SI)	Total hour (CI+SW+SI)
CO1: Understand the foundational concepts and historical development of cloud computing, including its significance in the contemporary era, and be able to delineate the distinguishing characteristics of cloud computing compared to traditional computing models.	10	1	1	12
CO2: Evaluate the advantages and disadvantages of cloud computing, comprehend the various technologies underpinning cloud computing, and critically analyze the implications of adopting cloud technologies in different contexts.	10	1	1	12
CO3: Differentiate between the types of clouds, elucidate the components of cloud infrastructure, and design cloud application architectures while considering emerging trends and evolving paradigms in cloud computing.	15	1	1	17
CO4: Demonstrate proficiency in deploying and managing cloud services utilizing different cloud service models and deployment models, and critically assess the strengths and limitations of various cloud computing services.	15	1	1	17
CO5: Utilize theoretical knowledge in cloud computing, virtualization, data storage management, and cloud security, through hands-on exercises and case studies on platforms like VirtualBox, Google Classroom, AWS, and G Suite.	10	1	1	12

Total Hours	60	05	05	70
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Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Introduction to cloud computing	03	01	01	05
CO-2	Types of clouds	01	01	03	05
CO-3	Cloud computing technology	8	03	02	13
CO-4	Data storage	2	03	8	13
CO-5	VirtualBox	01	03	10	14
Total		15	11	24	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment will be held with written examination of 50 marks

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Brainstorming

Suggested Learning Resources:

(a) Books:

S. No.	Title	Author	Publisher	Edition & Year

1	Mastering Cloud Computing: Foundations and Applications Programming	Christian Vecchiola, Rajkumar Buyya, and S. Thamarai Selvi	-	-
2	Cloud Computing: A practical approach for learning and implementation	A. Srinivasan, J. Suresh.	Pearson	1st edition



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Program Outcomes (PO)

PO ₁	The students acquire knowledge in the field of social sciences, literature and humanities which make them s enough.
PO ₂	The B.A. graduates will be acquainted with the social, economical, historical, geographical, political, ideological tradition and thinking.
PO ₃	The program also empowers the graduates to appear for various competitive examinations or choose the post of their choice.
PO ₄	The B. A. program enables the students to acquire the knowledge with human values framing the base problems in life with courage and humanity
PO ₅	The students will be ignited enough to think and act over for the solution of various issues prevailed in the hu world better than ever.
PO ₆	Programme provides the base to be the responsible citizen.
PO ₇	Environment and sustainability
PO ₈	Ethics
PO ₉	Individual and team work
PO ₁₀	Communication
PO ₁₁	Project management and finance



PO ₁₂	Life-long learning
PSO ₁	Use and apply current technical concepts and practices in the core computer applications.
PSO ₂	Identify computer application related problems, analyze them and design the system or provide a solution to the problem considering legal, ethical and societal issues.
PSO ₃	Work and communicate effectively in interdisciplinary environment, either independently or in teams, and take scientific leadership in academic and industry.

After completion of program student will be able to

Program Specific Outcomes (PSO's)

The program specific outcomes (PSO's) are the statement of competencies/abilities that describes the knowledge and capabilities of the post-graduate will have by the end of program studies.

After successful completion, the students will be able to

CO's, PO's and PSO Mapping

Course Code –

Course Title- Introduction to cloud computing

PO NO.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
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Faculty of Computer Application & Information Technology and Science Department of Computer Application & Information Technology Curriculum of BSC (IT) (Bachelor of Science) (Revised as on 01 August 2023)

Program Outcomes	The students acquire knowledge in the field of social sciences, literature and humanities which make them sensitive and sensible enough.	The B.A. graduates will be acquainted with the social, economic, historical, geographical, political, ideological and philosophical tradition and thinking.	The program also empowers the graduates to appear for various competitive examinations or choose the post graduate programme of their choice.	The B. A. program enables the students to acquire the knowledge with human values framing the base to deal with various problems in life with courage and humanity.	The students will be ignited enough to think and act over for the solution of various issues prevailed in the human life to make this world better than ever.	P r o g r a m e p r o v i d e s t h e b a s e t o b e t h e r e s p o n s i b l e c i t i z e n .	E n v i r o n m e n t a n d s u s t a i n a b i l i t y	E t h i c s	I n d i v i d u a l a n d t e a m w o r k	C o m m u n i c a t i o n	P r o j e c t m a n a g e m e n t a n d f i n a n c e	L i f e l o n g l e a r n i n g	Use and apply current technical concepts and practices in the core computer applications.	Identify computer application related problems, analyze them and design the system or provide the solution for the problem considering legal, ethical and societal issues.	Work and communicate effectively in interdisciplinary environment, either independently or in team, and demonstrate scientific leadership in academic and industry.
CO1	2	1	2	1	1	2	1	1	1	1	1	3	2	3	3
CO2	2	1	2	1	1	2	1	1	1	1	1	3	2	3	3
CO3	2	1	2	1	1	2	1	1	1	1	1	3	3	3	3
CO4	2	1	2	1	1	2	1	1	1	1	1	3	3	3	3
CO5	2	1	2	1	1	2	1	1	1	1	1	3	3	3	3

Legend: 1–Low, 2–Medium, 3–High



Course Curriculum Map

Pos & PSOs No.	Cos No. & Titles	S O N o.	Laboratory Instruction (L I)	Classroom Instruction (CI)	Self Learning (SL)
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,	CO1- Understand the foundational concepts and historical development of cloud computing, including its significance in the contemporary era, and be able to delineate the distinguishing characteristics of cloud computing compared to traditional computing models.	S O 1. 1 S O 1. 2 S O 1. 3 S O 1. 4 S O 1. 5	1,2,3,	Unit-1 1,2,3,4,5,6,7,8,9,10	



<p>PO1,2,3,4,5,6,7,8,9,10,11,12</p> <p>PSO1,2,3,</p>	<p>CO2 Evaluate the advantages and disadvantages of cloud computing, comprehend the various technologies underpinning cloud computing, and critically analyze the implications of adopting cloud technologies in different contexts.</p>	<p>S O 2. 1</p> <p>S O 2. 2</p> <p>S O 2. 3</p> <p>S O 2. 4</p> <p>S O 2. 5</p>	<p>1,2,3,</p>	<p>Unit-2</p> <hr/> <p>1,2,3,4,5,6,7,8,9,10</p>
<p>PO1,2,3,4,5,6,7,8,9,10,11,12</p>	<p>CO3 Differentiate between the types of clouds, elucidate the components of cloud infrastructure, and design cloud application architectures while considering emerging trends and evolving paradigms in cloud computing.</p>	<p>S O 3 . 1 S O 3 . 2</p>	<p>1,2,3</p>	<p>Unit-3 :</p>



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<p>PSO1, 2,3,</p>		<p>SO3.3 SO 3.4 SO 3.5 SO 3.6 SO 3.7</p>		<p>1,2,3,4,5,6, 7,8,9,10,11 ,12,13,14,15</p>	<p>1</p>
<p>PO1,2 ,3,4,5, 6,7,8, 9,10,11,12</p>	<p>CO 4 Demonstrate proficiency in deploying and managing cloud services utilizing different cloud service models and deployment models, and critically assess the strengths and limitations of various cloud computing services.</p>	<p>S O 4.1 S O 4.2 S O 4.3</p>	<p>1,2,3</p>	<p>Unit-4 1,2,3,4,5, 6,7,8,9,10, 11,12,13, 14,15</p>	<p>1</p>



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<p>PSO1, 2,3,</p>		<p>S O 4. 4 S O 4. 5 S O 4. 6 S O 4. 7</p>		
<p>PO1,2 ,3,4,5, 6,7,8, 9,10,1 1,12 PSO 1,2,3,</p>	<p>CO5 Utilize theoretical knowledge in cloud computing, virtualization, data storage management, and cloud security, through hands-on exercises and case studies on platforms like VirtualBox, Google Classroom, AWS, and G Suite.</p>	<p>S O 5. 1 S O 5. 2 S O 5. 3 S O 5. 4 S O 5. 5</p>	<p>1,2,3,</p>	<p>Unit 5: 1,2,3 ,4,5, 6,7,8 ,9,10</p>



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Semester-VI

Course Code: 01CA512

Course Title: Computer Network and Security

Pre-requisite: Students should have basic knowledge of computer network

Rationale: The importance of cybersecurity in the digital world is immense. It is because the volume and sophistication of cyberattacks are constantly increasing. As our dependence on technology grows, so does our vulnerability to these attacks. Cybersecurity helps to protect our data and systems from these threats

Course Outcomes:

- 01CA512.1: Understand Computer Networks concepts and its uses.
- 01CA512.2: Understand Network Technologies and protocols.
- 01CA512.3: Describe network components.
- 01CA512.4: Use suitable network component transmission media in internal and external Networking.
- 01CA512.5: Understand basic principles of information security and its need.

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)				Total Study Hours (CI+LI+SW+SL)	Total Credits (C)
			CI	LI	SW	SL		
Major	01CA512	Computer Network and Security	4	4	1	1	10	6

Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),
LI: Laboratory Instruction (Includes Practical performance laboratory workshop, field or other locations using different instructional strategies)
SW: Sessional Work (includes assignment, seminar, mini project etc.),
SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Scheme of Assessment (Marks)			



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Board of Study	Course Code	Course Title	Progressive Assessment (PRA)	End Semester Assessment	Total Marks
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			Class/Homework Assignment number 3 mark each (CA)	Class Test 2 (2 best out of 3) 10 mark each (CT)	Seminar one (SA)	Class Activity anyone (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)	(ESA)	(PRA+ESA)
Major	01 C A5 12	Computer Network and Security	15	20	5	5	5	50	50	100

Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

01CA512.1: Understand Computer Networks concepts and its uses

Approximate Hours

Item	AppX Hrs
CI	12
LI	12
SW	1
SL	1
Total	26

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)



SO1.1 To understand the Computer Networks and networking elements SO1.2 To understand the Network Topologies	1. Study of UTP network cable 2. Study the color code of UTP cable	Unit-1 1. Introduction to Computer Networks and networking elements 2. Network	Learn TCP/IP Protocols suite
opologies			



<p>SO1.3 To understand the Network Classification- LAN, MAN, WAN</p> <p>SO1.4 To understand the Network Protocols and Services,</p> <p>SO1.5 To understand Layered Network architecture.</p>	<ol style="list-style-type: none"> 3. Categories of UTP n/w cable 4. Shielding of n/w cable 5. Electricity interference with n/w cable 6. Maximum length for which data cable can be used 7. Crimping of RJ45 connector and Punching of data n/w cable 8. Patching of cabling work 9. Rules of UTP Patching 	<p>definition, Network Uses,</p> <ol style="list-style-type: none"> 3. Network Topologies 4. Network Classification- LAN, MAN, WAN, 5. Network Protocols and Services, 6. Connection Oriented and Connectionless Services 7. Layered Network architecture. 8. Introduction and review of OSI and 9. TCP/IP Reference models 10. TCP/IP Protocols suite 11. NIC, Hub, Switch (Managed and Unmanaged) 12. Routers and Gateways, Network standardization 	
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SW-1 Suggested Sessional Work (SW):

Assignments:

- Discuss about NIC, Hub, Switch (Managed and Unmanaged), Routers and Gateways, Network standardization

01CA5122.2 Understand Network Technologies and protocols.

Approximate Hours



Item	AppX Hrs
CI	12
LI	0
SW	2
SL	1
Total	15

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self Learning (SL)
<p>SO2.1 To Understand the Data Communication Fundamentals and Techniques</p> <p>SO2.2 To understand Analog and Digital Signals, Transmission Media</p> <p>SO2.3 To understand Modulation and Multiplexing Techniques</p> <p>SO2.4 To know Switching techniques and concept of Framing</p> <p>SO2.2 To understand Frame structure and MAC addresses</p>	<ol style="list-style-type: none"> 1. Knowledge of Structured Cabling and its components 2. Information outlet with box 3. Network Rack (4U, 6U, 9U, 12U, 24U, 32U, 42U) 4. Patch Panel 5. Rack Management 6. Study of Optical Fiber cable 7. Different cores of OFC (6 core, 12, 24 core) • Multimode & Single mode OFC cable 8. Shielding of OFC 9. Splicing/Termination of OFC. 	<p>Unit-2</p> <ol style="list-style-type: none"> 1. Data Communication Fundamentals and Techniques 2. Analog and Digital Signals, Transmission Media 3. Simplex, half duplex and Duplex data transmission, Data rate Limits 4. Modulation and 5. Multiplexing Techniques 6. Circuit Switching, Packet Switching 7. Connectionless Datagram switching, 8. Connection Oriented Virtual Circuit Switching 9. Modems, Digital subscriber Line, 	<p>1. learn about Ethernet/IEEE 802.3 protocol</p>



		Cable TV for Data Transfer 10. concept of Framing 11. Ethernet/IEEE 802.3 protocol 12. Frame structure and MAC address	
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SW-2 Suggested Seasonal Work (SW):

- Assignments:**

1. Discuss Connection Oriented Virtual Circuit Switching
2. Pictorial representation of different transmission medium?

01CA512.3: Describe network components.

Approximate Hours

Item	Appx Hrs
CI	12
LI	12
SW	1
SL	1
Total	26

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)



<p>SO3.1 To understand Routing</p> <p>SO3.2 know Routing algorithms adaptive and non-adaptive</p> <p>SO3.3 IP protocol and IP address,</p> <p>SO3.4 To understand The Internet Architecture.</p> <p>SO3.5 To understand SMTP protocol</p>	<ol style="list-style-type: none"> 1. OTDR Testing 2. LIU fixing 3. LIU management (pigtail/fiber patchcord) 4. Media Converter 	<p>Unit-3:</p> <ol style="list-style-type: none"> 1. 2. Routing, 3. Transport and Application Layers Packets and Routing 4. Routing algorithms adaptive and nonadaptive IP protocol and IP address, Socket Internet working, 5. Flow Control and Congestion Control 6. TCP and UDP 	<ul style="list-style-type: none"> • learn File transfer and FTP
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	5. SFP module 6. Rules of OFC laying 7. 4. Use of tools 8. Crimping Tool 9. Punching Tool 10. Nose plier 11. Wire Stripping and Cable Cutter 12. Multimeter	protocols 7. The Internet Architecture, 8. E-mail and SMTP protocol, File transfer and FTP, 9. Remote login and TELNET 10. World Wide Web (WWW), HTML and 11. HTTP protocol.
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SW-3 Suggested Seasonal Work (SW):

- *Assignments:*
- Explain World Wide Web (WWW),
- **Presentation on Internet Architecture**

01CA512.4: Uses suitable network component transmission media in internal and external networking.

Approximate Hours

Item	Appx Hrs
CI	12
LI	12
SW	1
SL	1
Total	26

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)



SO4.1 To Understand		Unit-4:	
<p>Cyber Security</p> <p>SO4.2 To understand Basics of Cryptography</p> <p>SO4.3 Polygram, Polyalphabetic Substitution, Playfair</p> <p>SO4.4 To understand Symmetric Key Algorithms.</p> <p>SO4.5 To understand the Asymmetric Key Cryptography.</p>	<p>1. RJ45 RJ11 RJ12 Cat5 Cat6 Network Cable Tester</p> <p>2. In-Line Coupler (RJ45F/F)</p> <p>3. RJ45 NETWORK SPLITTER ADAPTER 2-way.</p> <p>4. Station</p> <p>5. Configuration/Management of Local Area Network</p> <p>6. Implementation of file and printer sharing.</p> <p>7. Installation of ftp server and client.</p>	<p>1. Cyber Security: Introduction, Need for security</p> <p>2. Basics of Cryptography</p> <p>3. Plain text and Cipher</p> <p>4. Text, Substitution techniques,</p> <p>5. Caesar Cipher, Monoalphabetic Cipher, Polygram, Polyalphabetic Substitution, Playfair,</p> <p>6. Hill Cipher, Transposition Cipher. Encryption and Decryption</p> <p>7. Symmetric Key Algorithms and AES</p> <p>8. Brief history of Asymmetric Key Cryptography</p> <p>9. Overview of Asymmetric Key Cryptography.</p> <p>10. RSA algorithm.</p> <p>11. Overview of Symmetric key Cryptography, Data Encryption Standard (DES).</p>	<p>• Learn about Hill Cipher and Transposition Cipher</p>

SW-4 Suggested Seasonal Work (SW):

- *Assignments:*
 - a. Write the process of RSA algorithm
- *Pictorial representation of cryptosystem*

01CA512.5. Understand basic principles of information security and its need.



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Item	AppxHrs
CI	12
LI	12



SW	1
SL	1
Total	26

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
<p>SO5.1 To understand Network Security,</p> <p>SO5.2 To understand Virtual Private Networks</p> <p>SO5.3 To understand Secure Socket Layer (SSL),</p> <p>SO5.4 To understand IT Act</p> <p>SO5.5 To Understand Copyright Act, Patent Law, IPR.</p>	<ol style="list-style-type: none"> 1. Connect the computers in Local Area Network. 2. Configuring Class A IP Address on LAN Connection in Computer LAB and then use following tools: <ol style="list-style-type: none"> 3. ping, ipconfig, getmac, hostname, nslookup, tracert, arp, pathping, systeminfo. 4. Configure static routing using packet tracer software 	<p>Unit 5:</p> <ol style="list-style-type: none"> 1. Network Security, Types of Attacks 2. Firewalls and Virtual Private Networks 3. Brief Introduction to TCP/IP, Firewalls, Virtual Private Networks (VPN) 4. Secure Socket Layer (SSL), Transport Layer Security (TLS) 5. Secure HyperText Transfer Protocol (SHTTP), 6. Time Stamping Protocol (TSP), Secure Electronic Transaction (SET), Secure Sockets Layer (SSL). 7. E-mail Security Policies, Why Policies should be developed, 8. WWW policies Email Security policies, Policy Review Process- Corporate policies- 	<p>Learn the process of</p> <p>Patent.</p>



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	5. Configure Dynamic routing using packet tracer 6. Configure VLAN using Managed switch Device / Packet tracer 7. Implementation of Subnetting in Class A, B and C Ping between 2 systems using IPv6	Sample Security Policies 9. Publishing and Notification Requirement of the Policies. 10. Information Security Standards ISO. 11. IT Act, Copyright Act, 12. Patent Law, IPR.	
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SW-5 Suggested Seasonal Work (SW):

- *Assignments:*
- Explain in detail about E-mail Security Policies
- *Other Activities (Specify):* • Group discussion of important topics.

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Laboratory Instruction (LI)	Sessional Work (SW)	Self-Learning (Sl)	Total hour (Cl+SW+Sl)
CT101 At the end of this chapter the student will understand Computer Networks concepts and its uses.	12	12	1	1	15
CT102 At the end of this chapter the student will Understand Network Technologies and protocols	12	12	1	1	15



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CT103 At the end of this chapter the student will Describe network components	12	12	1	1	15
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CT104 At the end of this chapter the student will Use suitable network component transmission media in internal and external networking.	12	12	1	1	15
CT1035. At the end of this chapter the student will Understand basic principles of information security and its need.	12	12	1	1	15
Total Hours	60	60	5	5	130

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Introduction to Computer Networks and networking elements	03	02	03	08
CO-2	Data Communication	03	01	05	09
CO-3	Routing, Transport and Application	03	07	02	12
CO-4	Cyber Security	03	05	05	13
CO-5	Network Security	03	02	03	08
Total		15	17	18	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for autonomous system for AI and DS will be held with written examination of 50 marks

Note. Detailed Assessment rubric needs to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture
2. Tutorial



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3. Case Method
4. Group Discussion
5. Role Play
6. Demonstration
7. ICT Based Teaching Learning (Video Demonstration/Tutorials CBT, Blog, Facebook, Twitter, WhatsApp, Mobile, Online sources)
8. Brainstorming

A. Books:

Suggested Learning Resources:



S. No.	Title	Author	Publisher	Edition & Year
1	Computer Networks & Data Communication Networks	Rajiv Chopra	Bhavya books	2014
2	Network Security & Administration by	Adesh K. Pandey	S.K. Kataria & Sons	2013

B. Alternative NPTEL/SWAYAM/MOOC Course (if any): NA

Curriculum Development Team

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14. Dr. Pinki Sharma, Assistant Professor, Department of Computer Science and Engineering.
15. Ms. Pushpa Kushwaha, Assistant Professor, Department of Computer Science and Engineering.

**Course Title: BSc.
(IT) Course Code: 01C
A512**

Course Title: Computer Network and Security

Course Outcomes	Program Outcomes												Program Specific Outcome				
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
	Engineering knowledge	Problem analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and teamwork	Communication	Project management and finance	Life-long learning	Use fundamental knowledge of math, science, and engineering to comprehend, evaluate, and create computer programmes in the fields of algorithms, multimedia, big data analytics, machine learning, artificial intelligence, and networking for the effective design of computer-based systems of various complexity	Utilize relevant methods and cutting-edge hardware and software engineering tools to develop and integrate computer systems and related technologies. This PSO2 also encourages lifelong learning for the advancement of technology and its use in multidisciplinary settings	Applying professional engineering solutions for societal improvement while taking into account the environmental context, being conscious of professional ethics, and being able to effectively communicate.	Learn and use the most recent Artificial Intelligence and Data Science technologies in the fields of engineering and computer science	Recognize and examine issues in real life, then offer creative software solutions with the help of AI and Data Science Technologies.
CO101 Understand Computer Networks concepts and its uses.	1	1	2	2	3	2	3	2	2	1	3	2	2	3	3	1	2
CO102 Understand Network Technologies and protocols	1	1	2	2	1	2	3	2	1	1	2	2	2	2	2	1	3

CO103 Describe network components	3	2	2	2	3	2	3	2	2	1	2	3	3	3	3	2	2
CO104 Use suitable network component transmission media in internal and external networking.	-	-	-	1	1	3	3	3	1	1	2	2	3	3	1	3	3
CO103 5. Understand basic principles of information security and its need.	1	1	2	2	1	2	3	2	1	1	2	2	2	2	2	1	3

Legend: 1-Low, 2-Medium, 3-High



AKS University

Faculty of Computer Application & Information Technology and Science

Department of Computer Application & Information Technology

BCA (Bachelor of Computer Applications)

Course Curriculum Map

POs & P SOs No.	COs No. & Titles	SOs No.	Laboratory Instruction (LI)	Classroom Instruction (CL)	Self-Learning (SL)
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,4,5	CO101 Understand Computer Networks concepts and its uses.	SO1 .1S O1. 2 SO1.3 SO1.4		Unit-11. Introduction to Computer Networks and networking elements 1.1,1.2,1.3,1.4,1.5,1.6,	As mentioned in page number
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,4,5	CO102 Understand Network Technologies and protocols	SO2 .1S O2. 2 SO2 .3S O2. 4		Unit-2 Data Communication 2.1,2.2,2.3,2.4,2.5,2.12	
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,4,5	CO103 Describe network components	SO3.1 SO3.2 SO3.3 SO3.4		Unit-3 Routing, Transport and Application Layers 3.1,3.2,3.3,3.4,3.5,3.6,	
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,4,5	CO104 Use suitable network component transmission media in internal and External networking.	SO 4.1 SO 4.2 SO 4.3 SO4.4 SO4.5		Unit-4 Cyber Security 4.1,4.2,4.3,4.4,4.5,4.6,2	
PO1,2,3,4,5,6,7,	CO1035. Understand basic principles of	SO5.1		Unit-5 Network Security	



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Faculty of Computer Application & Information Technology and Science

Department of Computer Application & Information Technology

BCA (Bachelor of Computer Applications)

8,9,10,11,12	Information security and its need.	SO5.2		5.1,5.2,5.3,5.4,5.5,5.6
PSO1,2,3,4,5		SO5.3		
		SO5.4		

Semester-VII

Course Code: 02CA701

Course Title: Research Methodology and IPR

Pre-requisite: Students should have basic knowledge of research and Statistics.

Rationale: This course will help them to select an appropriate research design. With the help of this course, students will be able to take up and implement a research project/study. The course will also enable them to collect the data, edit it properly and analyze it accordingly.

Course Outcomes:

RC602.1: Understand research problem formulation.

RC602.2: Analyze research related information and Follow research ethics

RC602.3: Understand that today's world is controlled by Computer, Information Technology, but tomorrow world will be ruled by ideas, concept, and creativity.

RC602.4: Understanding that when IPR would take such important place in growth of Individuals & nation, it is needless to emphasize the need of information about Intellectual Property Right to be promoted among students in general & engineering In particular.

RC602.5: IPR protection incentivizes inventor to invest in R&D, leading to new and improved products, economic growth, and social benefits.

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)				Total Study Hours (CI+LI+SW+SL)	Total Credit (C)
			CI	LI	SW	SL		
Program Core (PCC)	02CA701	Research Methodology and IPR	4	0	2	1	6	4



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Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),
LI: Laboratory Instruction (Includes Practical performance laboratory workshop, field or other locations using different instructional strategies)
SW: Sessional Work (includes assignment, seminar, mini project etc.),
SL: Self Learning, **C:** Credits.



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Note:

SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment (ESA)	Total Marks (PRA + ESA)
			Progressive Assessment (PRA)						Total Marks (CA+CT+SA+CAT+AT)		
			Class/Home Assignment Number 3 marks each (CA)	Class Tests (2 best out of 3) 10 marks each (CT)	Seminars (SA)	Class Activity anyone (CAT)	Class Attendance (AT)				
PCC	02CA701	Research Methodology and IPR	15	20	5	5	5	50	50	100	

Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom

Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO1: Understand research problem formulation.

Approximate Hours

Item	Appx Hrs
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CI	11
LI	0
SW	2
SL	1

Total	14
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Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
SO1.1 Define a research problem SO1.2 Explain Characteristics of a good research problem SO1.3 Explain Scope and objectives of research problem SO1.4 Discuss data collection SO1.5 Explain analysis, interpretation	.	Unit-1 Introduction to Research Meaning of research problem, Sources of research problem Criteria Characteristics of a good research problem, Errors in selecting a research problem Scope of research problem. objectives of research problem. Approaches of investigation of solutions for research problem data collection, data analysis, data interpretation, Necessary instrumentations-1	1. Write a Process of research problem identification

SW-1 Suggested Sessional Work (SW):

a. Assignments:

(i) Discuss about Errors in selecting a research problem

b. Presentation

c. Pictorial representation of different components of computer

CO2: Analyze research related information and Follow research ethics

Approximate Hours

Item	Appx Hrs
CI	12



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LI	0
SW	2
SL	1

Total	15
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Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
<p>SO2.1 To Understand Effective literature studies.</p> <p>SO2.2 To learn different approaches.</p> <p>SO2.3 Explain Plagiarism.</p> <p>SO2.4 Explain research ethics.</p>	.	<p>Unit-2: Literature Review</p> <p>Literature review</p> <p>How to write literature reviews</p> <p>Effective literature studies</p> <p>Approaches to literature studies</p> <p>Analysis and bibliography</p> <p>APA/MLA and other reference styles</p> <p>Plagiarism, Types of plagiarism</p> <p>Plagiarism tools</p> <p>Research ethics-1</p> <p>Research ethics-2</p>	1. Write a Review

SW-2 Suggested Seasonal Work (SW):

a. Assignments:

(i) Write the different approaches of analysis?

b. Presentation

c. Pictorial representation of different components of research design?

CO3: Understand that today's world is controlled by Computer, Information Technology, but tomorrow world will be ruled by ideas, concept, and creativity

Approximate Hours

Item	Appx Hrs
CI	11
LI	0



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SW	2
SL	1
Total	14

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
SO3.1 To understand Effectivetechicalwriting, SO3.2 know the Format of research proposal SO3.3 Develop a Research Proposal SO3.4 know about presentation of research proposal SO3.5 To understand the assessment of research proposal.		Unit-3: Research Proposal Research Proposal types Effectivetechical writing-1 Effectivetechical writing2 Howto writereport, Howtowritereport, research Paper. Developing a Research Proposal, Formatofresearch proposal Writearesearch proposal presentation assessment by a reviewcommittee	i. Designaresearch proposal

SW-2 Suggested Seasonal Work (SW):

a. Assignments:



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- (i) Explain writing a project proposal?
- b. Presentation
- c. Pictorial representation of different components of computer

CO4: Understanding that when IPR would take such important place in growth of individuals & nation, it is needless to emphasize the need of information about Intellectual Property Right to be promoted among students in general & engineering in particular.

Approximate Hours

Item	Appx Hrs
CI	13
LI	0
SW	2
SL	1
Total	16

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
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<p>SO4.1 To Understand Nature of Intellectual Property</p> <p>SO4.2 To understand Patents, Designs, Trade and Copyright</p> <p>SO4.3 Explain the process of patenting</p> <p>SO4.4 To understand the development of technological research</p> <p>SO4.5 To Understand Procedure for grants of patents, Patenting under PCT.</p>		<p>Unit-4 : Intellectual Property</p> <p>Nature of Intellectual Property.</p> <p>Patents, Designs, Trade and Copyright</p> <p>Process of Patenting and Development</p> <p>technological research innovation, patenting, development.</p> <p>International cooperation on Intellectual Property</p> <p>Procedure for grants of patents, Patenting under PC</p>	<p>i. Prepare an intellectual property proposal</p> <p>ii. Draw a classification diagram of RAID</p>
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SW-4 Suggested Seasonal Work (SW):

- a. **Assignments:**
- b. **(i) Write the process of patent design**
- c. **Presentation**
- d. **Pictorial representation of different steps of patent design.**

CO5: IPR protection incentivizes inventors to invest in R&D, leading to new and improved products, economic growth, and social benefits.

Approximate Hours

Item	Appx Hrs
CI	13
LI	0
SW	2
SL	1
Total	16



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Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
<p>SO5.1 Explain Patent Rights</p> <p>SO5.2 Discuss Licensing and transfer of technology</p> <p>SO5.3 Discuss about Patent information and databases</p> <p>SO5.4 Understand Geographical Indications</p> <p>SO5.5 Explain new developments in IPR</p>		<p>Unit 5: IPR protection and Developments in IPR</p> <p>Patent Rights-1 Patent Rights-2</p> <p>Scope of Patent Rights</p> <p>Licensing and transfer of technology-1</p> <p>information and databases-1</p> <p>Geographical Indication Administration of Patent System.</p> <p>New developments in IPR;</p> <p>IPR of Biological Systems,</p>	<p>i. Learn about scope of patent rights</p> <p>ii. Learn about IPR</p>
		<p>IPR of Computer Software etc.</p> <p>Traditional knowledge</p> <p>Case Studies, IPR and IITs</p>	

SW-5 Suggested Seasonal Work (SW):



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a. Assignments:

- (i) Explain in detail about geographical indications.

b. Presentation:

c. Other Activities (Specify):

- (i) Group discussion of important topics.

CO5: To better products, and in turn brings about, economic growth and social benefit

s

Approximate Hours

Item	AppXHrs
CI	7
LI	0
SW	2
SL	2
Total	11

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
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<p>SO6.1 Understand Administration of Patent System</p> <p>SO6.2 Explain new developments in IPR</p> <p>SO6.3 Discuss about IPR of Biological Systems, Computer Software etc.</p> <p>SO6.4 Understand Traditional knowledge Case Studies, IPR and IITs.</p>		<p>Unit 6: New Developments in IPR</p> <p>Administration of Patent System. New developments in IPR;</p> <p>IPR of Biological Systems, Computer Software etc.</p> <p>Traditional knowledge Case Studies, IPR and IITs</p>	<p>iii. Learn about IPR</p>
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SW-5 Suggested Seasonal Work (SW):

d. Assignments:

Write a case study on Patents.

e. Presentation:

f. Other Activities (Specify): Group discussion

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self-Learning (Sl)	Total hour (Cl+SW+Sl)
CO1 Understand research problem formulation	11	2	1	14
CO2 Analyze research related information and Follow research ethics	11	2	1	14



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CO3 Understand that today's world is controlled by Computer, Information Technology, but tomorrow world will be ruled by ideas, concept, and creativity.	12	2	1	15
CO4 Understanding that when IPR would take such important place in growth of Individuals & nation, it is needless to emphasize the need of information about Intellectual Property Right to be promoted among students in general & engineering in particular.	13	2	1	16
CO5 IPR protection incentivizes inventors to invest in R&D, leading to new and improved products, economic growth, and social benefits.	13	2	1	16
Total Hours	60	10	6	76

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Unit-1	03	02	03	08
CO-2	Unit-2	03	01	05	09
CO-3	Unit-3	03	07	02	12
CO-4	Unit-4	03	05	05	13
CO-5	Unit-5	03	02	03	08
Total		15	17	18	50

Legend:

R: Remember,

U: Understand,



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A: Apply

The end of semester assessment for Research Methodology & IPR will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:



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1. Improved Lecture
2. Tutorial
3. Case Method
4. Group Discussion
5. Role Play
6. Datacenter
7. Demonstration
8. ICT Based Teaching Learning (Video Demonstration/Tutorials CBT, Blog, Facebook, Twitter, WhatsApp, Mobile, Online sources)
9. Brainstorming

Suggested Learning Resources:

A. Books:

S. No.	Title	Author	Publisher	Edition & Year
1	Research Methodology	CRKothari, Gaurav Garg	New Age International	2023
2	Research Methodology: Concepts And Cases	Deepak Chawla (Author), Neena Sondhi (Author)	Vikas Publishing House	May 2016

B. Alternative NPTEL/SWAYAM/MOOC Course (if any): NA

C. Curriculum Development Team

1. Dr. Akhilesh K. Wao, HOD, Department of Computer Science and Engineering.
2. Dr. Pramod Singh, Associate Professor, Department of Computer Science and Engineering.
3. Ms. Shrutika Gupta, Assistant Professor, Department of Computer Science and Engineering.
4. Ms. Pragya Shrivastava, Assistant Professor, Department of Computer Science & Engineering.
5. Mr. Lokendra Gaur, Assistant Professor, Department of Computer Science and Engineering.
6. Mr. Vinay Kumar Dwivedi, Assistant Professor, Department of Computer Science & Engineering.
7. Ms. Pinki Sharma, Assistant Professor, Department of Computer Science and Engineering.
8. Ms. Pushpa Kushwaha, Assistant Professor, Department of Computer Science and Engineering.

COs,POs andPSOs Mapping

Course Title: B.Tech(Computer Science&Engineering)

Course Code: RC602

Course Title: Research Methodology and IPR

Course Outcomes	Program Outcomes												Program Specific Outcome			
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3	PSO4
	Engineering knowledge	Problem analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and teamwork	Communication	Project management and finance	Life-long learning				
RC602.1 At the end of this chapter the student will Understand research problem formulation.	1	1	2	2	3	2	3	2	2	1	3	2	2	3	3	1
RC602.2 At the end of this chapter the student will Analyze research related information and Follow research ethics	1	1	2	2	1	2	3	2	1	1	2	2	2	2	2	1
RC602.3 At the end of this chapter the student will Understand that today's world	3	2	2	2	3	2	3	2	2	1	2	3	3	3	3	2
RC602.4 At the end of this chapter the student will know about Intellectual Property Right	-	-	-	1	1	3	3	3	1	1	2	2	3	3	1	3

RC602.5at the end of this chapter the student will Understandthat IPRprotection	1	1	2	2	1	2	3	2	1	1	2	2	2	2	2	1
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Legend:1 – Low, 2– Medium, 3 – High

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CourseCurriculum Map

POs&PSOs No.	COsNo.&Titles	SOsNo.	Laboratory Instruction (LI)	ClassroomInstruction(CI)	Self-Learning(SL)
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,4	CO1Attheendofthischapterthe student will Understand research problemformulation.	SO1.1 SO1.2 SO1.3 SO1.4		Unit-1 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11	Asmentioned above
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,4	CO2Attheendofthischapterthe studentwillAnalyze researchrelated informationandFollowresearchethics	SO2.1 SO2.2 SO2.3 SO2.4		Unit-2 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11	
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,4	CO3 At the end of this chapter the studentwillUnderstandthattoday's world	SO3.1 SO3.2 SO3.3 SO3.4		Unit-3 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,3.12	
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,4	CO4Attheendofthischapterthe studentwillknowaboutIntellectual PropertyRight	SO4.1 SO4.2 SO4.3 SO4.4 SO4.5		Unit-4 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,4.12,4.13	
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,4	CO5attheendofthischapterthe studentwillUnderstandthat IPR protection	SO5.1 SO5.2 SO5.3 SO5.4 SO5.5		Unit-5 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11,5.12,5.13	



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BCA (Bachelor of Computer Applications)
Semester-VII

Course Code: 01CA701

Course Title: Current trends and technology

Pre-requisite: Basic knowledge of HTML, CSS and JAVASCRIPT.

Rationale:

Studying this subject will help students develop an understanding of current technologies such as Blockchains, ReactJS, NodeJS, Express, and MongoDB. By learning about these technologies, students will gain insights into how various industries are using them for their products and what the current demand is. As industries are seeking full-stack developers in this era of rapid technological advancement, this study will help students become industry-ready.

Course Outcomes:

OEC-E01-B.1: Understand Concepts of Blockchain, basic cryptocurrency, cryptocurrency benefits and Cryptographic use in cryptocurrency.

OEC-E01-B.2: Use of JavaScript knowledge to learn different types of new Frameworks available in a market that are also current industry need.

OEC-E01-B.3: Develop client-server connectivity with the use of NodeJS and use of Express frameworks. OEC-E01 - B.4: Develop algorithms for text processing applications and Dynamic programming Applications.

OEC-E01-B.5: Design Web applications using MongoDB database with NodeJS Technology in Backend.

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)				Total Study Hours (CI+LI+SW+SL)	Total Credits (C)
			CI	LI	SW	SL		
Program Core (PCC)	01CA701	Current trends and technology	4	2	2	2	9	6

Legend: CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),



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LI: Laboratory Instruction (Includes Practical performances
in laboratory workshop, field or other locations using different



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instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, C: Credits.

Note:

SW & SL has to be planned and performed under the continuous guidance and feedback teachers ensure outcome of Learning. **Scheme of Assessment:**

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment ESA	Total Marks PRA+ (ESA)
			Progressive Assessment (PRA)								
			Class/Home Assignment 5 number mark each CA	Class Test 2 best of 3 mark each CT	Seminar one (SA)	Class Activity anyone CAT	Class Attendance AT	Total Marks (CA+CT+SA+ CAT+AT)			
PCC 701 CA		Current trends and technology	15	20	5	5	5	50	50	100	

Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom

Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course

progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

OEC-E01-B.1: Understand Concepts of Blockchain, basic cryptocurrency, cryptocurrency benefits, and cryptographic use in cryptocurrency.

Approximate Hours

Item	Appx. Hrs.
CI	12



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LI	6
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SW	3
SL	2
Total	23



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Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self- Learning (SL)
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<p>SO1.1 Remember basics of Blockchain concepts.</p> <p>SO1.2 Explain Bitcoin and understanding of smart contracts</p> <p>SO1.3 Differentiate between public and private Blockchain.</p> <p>SO1.4 Discuss cryptocurrency and the permission model of Blockchain.</p> <p>SO1.5 Name Security Measures in Blockchain.</p>	<p>LI01. Create a simple blockchain in JavaScript.</p> <p>Implement the data structure for blocks and the hashing function for blocks.</p> <p>LI02. Implement a basic cryptocurrency transaction in a block chain. Create a transaction class and include it in your blockchain.</p> <p>LI03. Implement a basic cryptocurrency transaction in a blockchain. Create a transaction class and include it in your blockchain.</p>	<p>Unit-1.0 : Blockchain Technology</p> <p>Introduction to Blockchain, Public Ledgers. Bitcoin, Smart Contracts, Block in a Blockchain Transactions, Distributed Consensus, Public vs Private Blockchain.</p> <p>Understanding Cryptocurrency to Blockchain, Permissioned Model of Blockchain Overview of Security aspects of Blockchain; Basic Crypto Primitives. Cryptographic Hash Function, Properties of a hash function Hash pointer and Merkle tree.</p>	<ol style="list-style-type: none"> 1. Difference between public and private Blockchain 2. Learning of different cryptographic models used in Blockchain
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		<p>Digital Signature. Public Key cryptography Basic cryptocurrency</p>	
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SW-1 Suggested Sessional Work (SW):

a. Assignments:

1. Discuss Public ledgers.
2. Discuss basic cryptocurrency and its types.
3. Explain cryptographic hash function.

b. Other Activities (Specify):

Seminar and Tutorial

OEC-E01-B.2: Use of JAVAScript knowledge to learn different types of new Frameworks available in market that are also current industry need.

Approximate Hours

Item	Appx. Hrs.
CI	13
LI	6
SW	3
SL	2
Total	24

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
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<p>SO2.1 To Understand the basics of JavaScript and role of JavaScript in web world.</p> <p>SO2.2 Recall data types and variables in JavaScript</p> <p>SO2.3 Understand and recall JavaScript operators and JavaScript conditional and loop statements</p> <p>SO2.4 Use of functions in JavaScript. Learning of Arrow functions</p> <p>SO2.5 Understanding of classes and objects in JavaScript</p>	<p>LI01. Write a calculator program in JAVASCRIPT.</p> <p>LI02. Write a program using event in JavaScript.</p> <p>LI03. Write a program to implement dropdown in webpage using JAVASCRIPT</p>	<p>Unit-2: Introduction to JavaScript</p> <p>Basics of JavaScript</p> <p>JavaScript Datatypes and Variables, constant</p> <p>JavaScript Operators, JavaScript statements</p> <p>conditional</p> <p>Looping statements</p> <p>2.4 JavaScript Functions</p> <p>simple function and arrow functions</p> <p>classes, objects and constructors in JavaScript</p> <p>Document Object Model (DOM)</p> <p>Event Handling in JavaScript</p>	<p>1. Study of applications where JavaScript concepts are used</p> <p>2. Study of different operators and loop statements</p>
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SW-2 Suggested Sessional Work (SW):

a. Assignments:

1. Discuss JavaScript features and applications in Real world.
2. Explain Event handling in JavaScript.
3. Explain DOM.

b. Other Activities (Specify):

Seminar and Tutorial

OECE01-B.3: Apply the knowledge of JAVASCRIPT in the ReactJS framework to create front end of dynamic webpages.

Approximate Hours

Item	Appx. Hrs.
CI	12
LI	6
SW	3

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SL	2
Total	23



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Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
<p>SO3.1. Recall the basics of ReactJS</p> <p>SO3.2. Differentiate DOM and Virtual DOM</p> <p>SO3.3. Illustrate rendering of element</p> <p>SO3.4. Explain class component and functional component</p> <p>SO3.5. Develop basic applications of React</p>	<p>LI01. Create a component called "Fruit List" that receives an array of fruit names as a prop and displays them as a list.</p> <p>LI02. Create a functional component called "Greeting" that takes a "name" prop and displays a personalized greeting.</p> <p>LI03. Refactor the "Hello World" component to use React Hooks for state management instead of a class component.</p>	<p>Unit-3: ReactJS</p> <p>Introduction to react, features of ReactJS,</p> <p>Component based programming</p> <p>3.2 Virtual DOM, JSX</p> <p>Basic program in ReactJS</p> <p>Rendering elements</p> <p>Components: class components and functional components</p> <p>State management, Lifecycle methods</p> <p>Event handling in React</p> <p>Conditional rendering</p> <p>List and keys</p> <p>Basic form handling in React</p>	<p>1. Practice Basic programs based on React concept</p> <p>2. Study of list and keys</p>

SW-3 Suggested Sessional Work (SW):

a. Assignments:

1. Design a Web page to explain props and state management.
2. Explain list and keys.
3. Explain Form handling in React.

b. Other Activities (Specify):

Seminar and Tutorial



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OEC-E01-B.4: Develop client-server connectivity with the use of NodeJS and use of Express

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by BCA (Bachelor of Computer Applications) Frameworks.

Approximate Hours

Item	Appx. Hrs.
CI	11
LI	6
SW	3
SL	2
Total	22

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
<p>SO4.1 Recall features of NodeJS and its applications</p> <p>SO4.2 Explain importance of MERN stack.</p> <p>SO4.3 Create a web page where callbacks and errors handled.</p> <p>SO4.4 Explore the concept of Modules in NodeJs.</p> <p>SO4.5 Use of Export and Require in NodeJS.</p>	<p>LI01. Write a Node.js program that reads a user's name from the command line and greets them with "Hello, [Name]!"</p> <p>LI02. Create a simple Node.js server that listens on port 3000 and responds with "Hello, Server!" when accessed in a web browser.</p> <p>LI03. Write a Node.js program that reads and prints the contents of a text file named "sample.txt".</p>	<p>Unit-4: NodeJS</p> <p>Introduction of NodeJS installation of NodeJS and Features of NodeJS</p> <p>Importance of MERN Stack</p> <p>NodeJS basics: understanding the flow of request</p> <p>Callbacks and error Handling</p> <p>Understanding Modules.</p> <p>Export and Require</p> <p>Events in NodeJS</p> <p>Event emitter class</p>	<p>1. Study different event use in NodeJS</p> <p>2. Study Event Emitter class and its functions</p>

SW-4 Suggested Sessional Work (SW):

a. Assignments:

1. Discuss the advantages and features of NodeJS.



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2. Discuss different Modules in NodeJs.
3. Discuss callbacks and error handling.

Other Activities (Specify):

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Seminar and Tutorial

OEC-E01-B.5: Design Web applications using MongoDB database with NodeJS Technology in

Backend.

Approximate Hours

Item	Appx. Hrs.
CI	13
LI	6
SW	3
SL	2
Total	24

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
<p>SO5.1. Recall the basics of Express and its features</p> <p>SO5.2 Role of sequencing response by routers</p> <p>SO5.3 Create a Web application based on Rest API</p> <p>SO5.4 Use of static files and middleware.</p> <p>SO5.5 Setup of MongoDB And its use in advance web development</p>	<p>LI01. Installation and Setup of MongoDB and start the MongoDB server.</p> <p>LI02. How can you connect to a MongoDB database using the MongoDB shell?</p> <p>LI03. How do you create a new database in MongoDB?</p>	<p>Unit 5: Express & MongoDB</p> <p>Basics of Express</p> <p>Installation of MongoDB</p> <p>Creating Routes and Responding.</p> <p>Sequencing response by routes.</p> <p>A Rest API Example</p> <p>5.5 Static files and middleware</p> <p>Mongo DB Introduction</p> <p>Set up MongoDB, Install Mongo client</p> <p>MongoDB queries</p> <p>install mongoose for node JS</p> <p>The rest API example to use database</p>	<p>1. Study different types of trees application.</p> <p>2. Explore computational geometry methods</p>



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5 Suggested Sessional Work (SW): a. Assignments:

1. Discuss the importance of Express.



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2. Explain the different types of APIs used in Web development 3.
 Write step to install MongoDB.

b. Other Activities (Specify):

Seminar and Tutorial

Brief of Hours Suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Laboratory Instruction (LI)	Sessional Work (SW)	Self-Learning (SI)	Total hour (Cl+SW+SI)
OEC-E01-B.1: Understand Blockchain concepts, basic cryptocurrency, cryptocurrency benefits and cryptographic use in cryptocurrency.	12	6	3	2	23
OEC-E01-B.2: Use of JAVAScript knowledge to learn different types of new Frameworks available in market that are also current industry need.	13	6	3	2	24
OEC-E01-B.3: Apply the knowledge of JAVASCRIPT in ReactJS framework to create front end of dynamic webpages.	12	6	3	2	23
OEC-E01-B.4: Develop client server connectivity with the use of Node JS and use of Express frameworks.	11	6	3	2	22
OEC-E01-B.5: Design Web applications using MongoDB database with NodeJS Technology in Backend.	12	6	3	2	23



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Total Hours	60	30	15	10	115
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Suggestion for End Semester Assessment Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
OEC-E01-B.1	Blockchain Technology	4	3	3	10
OEC-E01-B.2	Introduction to JavaScript	3	4	3	10
OEC-E01-B.3	ReactJS	3	3	4	10
OEC-E01-B.4	NodeJS	2	3	5	10
OEC-E01-B.5	Express & MongoDB	-	3	7	10
Total		12	16	22	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Current trends & Technology will be held with written examination of 50 marks.

Suggested Learning Resources: a. Books:

S. No.	Title	Author	Publisher	Edition & Year
1	The Road to Learn React: Your journey to master plain yet pragmatic React.js	By Robin Wieruch.		Kindle edition & 2018
2	Learn MERN stack development by building modern web apps using MongoDB, Express, React, and Node.js,	by Shama Hoque		2nd Edition



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3	Melanie Swan, "Block Chain: Blueprint for a	O'Reilly	National Council for Cement and	2015
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	New Economy".		Building Materials	
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Curriculum Development Team

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2. Dr. Pramod Singh, Assistant Professor, Department of Computer Science and Engineering.
3. Ms. Shruti Gupta, Assistant Professor, Department of Computer Science and Engineering.
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5. Mr. Lokendra Gaur, Assistant Professor, Department of Computer Science and Engineering.
6. Mr. Vinay Kumar Dwivedi, Assistant Professor, Department of Computer Science and Engineering.
7. Ms. Pinki Sharma, Assistant Professor, Department of Computer Science and Engineering.
8. Ms. Pushpa Kushwaha, Assistant Professor, Department of Computer Science and Engineering.

COs, POs and PSOs Mapping

Program: B.Tech. (Computer Science & Engineering)

Course Code: OEC-E01 - B

Course Title: Current Trends & Technology

Course Outcomes	Program Outcomes												Program Specific Outcome			
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3	PSO4
	Engineering knowledge	Problem analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and teamwork	Communication	Project management and finance	Life-long learning				
OEC-E01 - B.1: Understand Concepts of Blockchain, basic cryptocurrency, cryptocurrency benefits and cryptographic use in cryptocurrency.	1	1	2	2	3	2	3	1	2	1	3	2	2	3	1	2
OEC-E01-B.1.2: Use of JAVAScript knowledge to learn different types of new Frameworks available in market that are also current industry need	2	1	2	2	1	2	3	1	1	1	2	2	2	2	2	2
OEC-E01-B.3: Apply the knowledge of JAVASCRIPT in ReactJS framework to create front end of dynamic webpages.	2	2	1	1	1	2	2	1	1	2	3	3	1	1	2	2
OEC-E01-B.4: Develop client server connectivity with the use of NodeJS and use of Express frameworks.	3	2	2	2	3	2	3	1	2	1	3	3	2	3	1	2

OEC-E01- B.5:DesignWebapplications usingMongoDBdatabase with NodeJS TechnologyinBackend.	2	2	2	1	1	3	3	1	1	1	2	2	2	3	1	1
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Legend:1 – Low, 2– Medium, 3 – High

CourseCurriculumMap

POs&PSOsNo.	COsNo.&Titles	Laboratory Instruction(LI)	SOs No.	ClassroomInstruction(CI)	Self-Learning(SL)
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,4	CO1:UnderstandConcepts of Blockchain,basiccryptocurrency, cryptocurrencybenefitsand cryptographicuseincryptocurrency.	LI01.1,LI01.2,LI01.3	SO1.1 SO1.2 SO1.3 SO1.4 SO1.5	Unit-1:Blockchain Technology 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11,1.12	Asmentioned above
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,4	CO2:UseofJAVA Script knowledgetolearndifferenttypesof newFrameworksavailableinmarket thatarealsocurrentindustry need	LI02.1,LI02.2,LI02.3	SO2.1 SO2.2 SO2.3 SO2.4 SO2.5	Unit-2:IntroductiontoJavaScript 2.1,2.2,2.3,2.4,2.5,2.6,2.7,2.8,2.9,2.10,2.11,2.12,2.13	
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,4	CO3:Applytheknowledgeof JAVASCRIPT in ReactJS frameworktcreatefrontendof dynamic webpages.	LI03.1,LI03.2,LI31.3	SO3.1 SO3.2 SO3.3 SO3.4 SO3.5	Unit-3:ReactJS 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11,3.12	
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,4	CO4:Developclientserver connectivitywiththeuseofNodeJS anduseofExpressframeworks.	LI04.1,LI04.2,LI04.3	SO4.1 SO4.2 SO4.3 SO4.4 SO4.5	Unit-4:NodeJS 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10,4.11,	
PO1,2,3,4,5,6,7,8,9,10,11,12 PSO1,2,3,4	CO5:DesignWebapplicationsusing MongoDBdatabasewithNodeJS TechnologyinBackend.	LI05.1,LI05.2,LI05.3	SO5.1 SO5.2 SO5.3 SO5.4 SO5.5	Unit-5:Express&MongoDB 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5.11,5.12	



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Department of Computer Application & Information Technology
BCA (Bachelor of Computer Applications) Semester-VII

Course Code: 05CA701

Course Title: Theory of computation

Pre-requisite: Basic knowledge of set theory and its properties.

Rationale: Students will understand fundamental mathematical and computational principles that are foundations of computer science. They should learn about abstract models of computation, finite representations for languages and gain formal understanding of algorithms and procedures

Course Outcomes:

PCCCS-504.1: Understand models and abstractions: automata as a basic model of computation.

PCCCS-504.2: Students will acquire to represent regular expression and Finite State Automata.

PCCCS-504.3: Students will acquire to represent CFL and Pushdown Automata.

PCCCS-504.4: Students will recall Turing machines and the concept of computability, including Decidability and un-decidability.

PCCCS-504.5: Students will link between languages, automata, and decision problems.

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL+T)	
Program Core (PCC)		Theory of Computation	4	0	1	1	6	4

Legend:

CI: Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),
LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)



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SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

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Note: SW & SL has to be planned and performed under the continuous guidance and feedback



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teachers ensure outcome of Learning. Scheme of

Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							
			Progressive Assessment (PRA)						End Semester Assessment (ESA)	Total Marks (PRA + ESA)
			Class/Home Assignments (5 number marks each CA)	Class Test 2 (best out of 3) (CT)	Seminarone (SA)	Class Activity anyone (CAI)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAI+AT)		
PCC		Theory of Computation	15	20	5	5	5	50	50	100

Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom

Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course

progresses, students should show case their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

PCCS-504.1: Understand models and abstractions: automata as a basic model of computation.

Approximate Hours

Item	Appx. Hrs.
CI	13
LI	0
SW	1
SL	1
Total	15

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Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
<p>SO1.1. Recall the concepts of alphabet strings and languages</p> <p>SO1.2. Recognize the automata and its types</p> <p>SO1.3. Identify formal languages</p> <p>SO1.4. Derive Inductive proofs</p> <p>SO1.5. Differentiate NFA and DFA</p>		<p>Unit-1 Introduction to Computational Science Definition of Alphabet, String, Language Introduction to formal proof Introduction to formal proofs continues Additional forms of proof, Inductive proofs Chomsky Hierarchy for Formal Languages and Automata Finite Automata and its Type Deterministic Finite Automata (DFA) Deterministic Finite Automata (NFA) Epsilon-NFA Conversion of NFA to DFA Conversion of NFA to DFA practice problems Conversion Epsilon NFA to NFA Conversion Epsilon</p>	<p>1. Study of Set Theory Basics and properties</p> <p>2. Practice questions on FA.</p>

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		NFA to NFA Examples	
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SW-1 Suggested Sessional Work (SW):

a. Assignments:

1. Explain Chomsky Hierarchy with example.
2. Practice question of DFA and NFA.
3. Differentiate among NFA, DFA and epsilon NFA.

b. Other Activities (Specify): Seminar and Tutorial

PCCCS-504.2: Student will acquire to represent regular expression and Finite State Automata.

Approximate Hours

Item	Appx. Hrs.
CI	11
LI	00
SW	1
SL	1
Total	13

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)



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<p>SO2.1. Discuss minimization of Finite automata</p> <p>SO2.2. Acquire knowledge of Regular expression and Identities.</p> <p>SO2.3. List closure properties of Regular Languages.</p> <p>SO2.4. Convert Regular expression to FA and vice versa</p> <p>SO2.5. Use of Pumping Lemma to prove language is not Regular</p>		<p>Unit-2 Regular Expression</p> <p>Minimization of DFA: Equivalence class Myhill Nerode Minimization.</p> <p>Myhill Nerode Minimization</p> <p>Practice problem</p> <p>Regular Expression: Rules and Identities</p> <p>Simplification of Regular Expression Using Identities</p>	<p>1. Study of different minimization techniques.</p> <p>2. Applications of Finite automata and Regular expression.</p>
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		<p>Regular Expression to FA</p> <p>FA to Regular Expression Transformation</p> <p>Arden's Theorem</p> <p>Closure properties of Regular language</p> <p>Pumping Lemma for Regular Language</p> <p>Pumping Lemma for Regular Language</p> <p>Practice problem</p>	
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SW-2 Suggested Sessional Work (SW):

a. Assignments:

1. Discuss Pumping Lemma with an example.
2. Discuss Minimization Techniques.
3. Explain closure properties of Regular languages.

b. Other Activities (Specify):

Seminar and Tutorial

PCCCS-504.3: Students will acquire to represent CFL and Pushdown Automata.



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Approximate Hours

Item	Appx. Hrs.
CI	14
LI	0
SW	1
SL	1
Total	16

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Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
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<p>SO3.1. Design PDA for CFL.</p> <p>SO3.2. Differentiate DPDA and NPDA.</p> <p>SO3.3. Derive Parse Trees and identify Ambiguity in Grammar.</p> <p>SO3.4. Use of Pumping Lemma to prove language is not Context Free.</p> <p>SO3.5. Equivalence of CFG to PDA and PDA to CFG.</p>		<p>Unit-3 : Context free Grammar</p> <p>Introduction Context free Grammar Parse Trees: Left Most Derivation and Right Most Derivation Ambiguities in Context-Free Grammar Examples of Ambiguity of Grammar Simplification of Grammars Removal of Null Production Removal of Unit Productions, Removal of Useless Symbols Definition of the Pushdown Automata Languages accepted by Pushdown Automata String/Language Acceptability by PDA Comparison between Non-deterministic PDA and Deterministic PDA Equivalence of CFG to PDA Equivalence of PDA to CFG Pumping Lemma for CFL</p>	<p>1. Design PDA for different languages.</p> <p>2. Applications of Derivation trees.</p>
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SW-3 Suggested Sessional Work (SW):

a. Assignments:

1. Design PDA for CFLs.
2. Convert CFG to PDA.
3. Differentiate DPDA and NPDA

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b. Other Activities (Specify):

Seminar and Tutorial



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PCC CS-504.4: Student will recall Turing machines and the concept of computability, including decidability and un-decidability.

Approximate Hours

Item	Appx. Hrs.
CI	10
LI	0
SW	1
SL	1
Total	12

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
SO4.1. Design LBA for the Languages SO4.2. Design Turing Machine for Languages SO4.3. Discuss Types of Turing Machine SO4.4. Recognize Decidability and Undecidability and Halting problem of Turing Machine. SO4.5. Recall concept of Universal Turing Machine.		Unit-4: Linear Bounded Automata and Turing Machine Normal forms for CFG CNF and GNF Examples on CNF Examples on GNF Closure Properties of CFL Introduction to Turing Machines Examples on Turing Machine Universal Turing Machine Programming Techniques for TM Programming Techniques for TM continues	1. Study different Types of Turing Machine 2. Study of different problems which are undecidable

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SW-4 Suggested Sessional Work (SW):



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a. Assignments:

1. Discuss CNF with example
2. Discuss different modifications in Turing machine
3. Explain Universal Turing Machine

b. Other Activities (Specify):

Seminar and Tutorial

PCCCS-504.5: Students will Link between languages, automata, and decision problems.

Approximate Hours

Item	Appx. Hrs.
CI	12
LI	0
SW	1
SL	1
Total	14

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
<p>SO5.1. Recall Halting problem of Turing Machine.</p> <p>SO5.2. Differentiate Recursive and Recursively Enumerable Language.</p> <p>SO5.3. Identify P class and NP Class Problem.</p> <p>SO5.4. Explain post correspondence problem</p> <p>SO5.5. Recognize decidable problems and</p>		<p>Unit 5: Decidability Halting problem of Turing Machine Halting Turing Machine Recursive languages Recursively enumerable languages Differentiate recursive And recursively Enumerable languages Decidable problems Undecidable Problems</p>	<p>1. Study of P and NP class problems</p> <p>2. Identify Decidable problems</p>

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un-Decidable Problem.		RE Undecidable problems about Turing Machine Post's Correspondence Problem P class Problems NP class problem s NP Completeness	
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SW-5 Suggested Sessional Work (SW):

a. Assignments:

1. Give some examples to explain P and NP class problems.
2. Identify languages which are Recursive.
3. Explain Halting problem in Turing Machine.

b. Other Activities (Specify):

Seminar and Tutorial

Brief of Hours Suggested for the Course Outcome

Course Outcomes	Class Lecture (CI)	Sessional Work (SW)	Self-Learning (SI)	Total hour (CI+SW+SI)
CO1: Understand models and abstractions automata as a basic model of computation.	13	1	1	15
CO2: Student will acquire to represent regular expression and Finite State Automata.	11	1	1	13
CO3: Students will acquire to represent CFL and Pushdown Automata.	14	1	1	16



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CO4: Student will recall Turing machines and the concept of computability, including decidability and undecidability.	10	1	1	12
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CO5: Students will Link between languages, automata, and decision problems.	12	1	1	14
Total Hours	60	5	5	70

Suggestion for End Semester Assessment Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
PCCCS-504.1	Introduction to Computational Science	05	02	02	09
PCCCS-504.2	Regular Expression	02	03	05	10
PCCCS-504.3	Context-free Grammars	02	03	06	11
PCCCS-504.4	Linear Bounded Automata and Turing Machine	2	03	05	10
PCCCS-504.5	Decidability	-	05	05	10
Total		11	16	23	50

Legend:

R: Remember,

U: Understand, A: Apply



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The end-of-semester assessment for Theory of Computation will be held with written examination of 50 marks.

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Suggested Learning Resources:

a. Books:

S. No.	Title	Author	Publisher	Edition & Year
1	An Introduction to Formal Languages and Automata	Peter Linz	Jones & Bertlet	Sixth edition
2	Introduction to Automata Theory, Languages and Computation	Hopcroft and Ullman	Pearson	Third Edition
3	Theory of Computer Science: Automata, Languages and Computation	Mishra K.L.P	PHI	Third Edition, 2006

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COs, POs and PSOs Mapping

Program: B.Tech. Computer Science & Engineering

Course Code: PCC CS-504

Course Title: Theory of Computation

Course Outcomes	Program Outcomes												Program Specific Outcome			
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3	PSO4
	Engineering knowledge	Problem analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and teamwork	Communication	Project management and finance	Life-long learning				
CO1: Understand models and abstractions: automata as a basic model of computation.	2	3	3	2	1	2	1	1	1	1	1	2	2	3	1	2
CO 2: Student will acquire to represent regular expression and Finite State Automata.	2	2	3	3	1	2	1	1	1	1	1	3	2	2	2	2
CO 3: Student will acquire to represent CFL and Pushdown Automata.	2	3	3	2	1	1	1	1	1	1	1	3	1	1	2	2
CO 4: Student will recall Turing machines and the concept of computability, including decidability and undecidability.	2	2	3	3	1	2	1	1	1	1	1	3	2	3	1	2

CO5: Students will Link between languages, automata, and decision problems.	2	3	3	3	2	2	1	1	1	1	3	3	2	3	1	1
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Legend: 1 – Low, 2 – Medium, 3 – High

Course Curriculum Map

POs&PSOsNo.	COsNo.&Titles	SOs No.	ClassroomInstruction(CI)	Self-Learning(SL)
PO1,2,3,4,5,6,7, 8,9,10,11,12 PSO1,2,3,4	CO1:Understandmodelsand abstractions:automataasabasic model of computation.	SO1.1 SO1.2 SO1.3 SO1.4 SO1.5	Unit-1:Introductionto Computational Science 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9,1.10,1.11, 1.12,1.13	Asmentioned in Above page number
PO1,2,3,4,5,6,7, 8,9,10,11,12 PSO1,2,3,4	CO2:Student willacquireto representregularexpression and FiniteStateAutomata.	SO2.1 SO2.2 SO2.3 SO2.4 SO2.5	Unit-2:Regular Expression 2.1,2.2,2.3,2.4,2.5,2.6, 2.7,2.8,2.9,2.10,2.11	
PO1,2,3,4,5,6,7, 8,9,10,11,12 PSO1,2,3,4	CO3:Studentwillacquireto representCFLandPushdown Automata.	SO3.1 SO3.2 SO3.3 SO3.4 SO3.5	Unit-3:ContextfreeGrammar 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9,3.10,3.11, 3.12,3.13,3.14	
PO1,2,3,4,5,6,7, 8,9,10,11,12 PSO1,2,3,4	CO4:StudentwillrecallTuring machinesandtheconceptof computability,includingdecidability andun-decidability.	SO4.1 SO4.2 SO4.3 SO4.4 SO4.5	Unit-4:LinearBoundedAutomataand Turing Machine 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9,4.10	
PO1,2,3,4,5,6,7, 8,9,10,11,12 PSO1,2,3,4	CO5:StudentswillLink between languages,automata,anddecision problems.	SO5.1 SO5.2 SO5.3 SO5.4 SO5.5	Unit-5:Decidability 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9,5.10,5. 11,5.12	



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Semester-VII

Course Code: 05CA702

Course Title: Compiler And Design

Pre-requisite: C/C++/Java programming language. Data structures and algorithms. Automata theory

Rationale: Study of this subject will develop knowledge of compiler design concepts like Parsers, Lexical Analysis, Syntax analysis and semantic analysis. These concepts will help students to understand design of compilers briefly. Students will develop interest to work in new compilers.

Course Outcome:

- PCCCS-602.1:** To understand the role, functionality and structure of program translation and Interpretation in Software Development
- PCCCS-602.2:** To understand the difference between abstraction levels of a high level Language and a Machine language
- PCCCS-602.3:** To understand the role of a sequence of intermediate representations in Lowering the Level of abstractions in the process of language translation.
- PCCCS-602.4:** To get a first-hand experience of a practical application of elegant data structures, Algorithms, and Other core CS concepts such as automata theory
- PCCCS-602.5:** To make effective use of tools such as LEX and YACC

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI+T	SW	SL	Total Study Hours (CI+LI+SW+SL+T)	
Program Core (PCC)	05CA702	Compiler Design	4	0	2	2	8	4



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Legend: **CI:**ClassroomInstruction(Includesdifferentinstructionalstrategiesi.e.Lecture (L)AndTutorial(T)andothers),
LI:LaboratoryInstruction (IncludesPracticalperformances
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inlaboratoryworkshop,fieldorotherlocationsusingdifferent instructional strategies)



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SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, C: Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback teachers ensure outcome of Learning.

Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self-Learning (SL). As the course progresses, students should showcase their mastery of Session

Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							
			Progressive Assessment (PRA)						End Semester Assessment (ESA)	Total Marks (PRA + ESA)
			Class/Home Assignment marks each (CA)	Class Test 2 best of 3 marks each (CT)	Seminar one (SA)	Class Activity anyone (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)		
PCC CA 05702		Compiler Design	15	20	5	5	5	50	50	100

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PCCCS-602.1: To understand the role, functionality and structure of program translation and Interpretation in Software development

Approximate Hours



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Item	AppX Hrs
CI	12
LI	0
SW	2
SL	2
Total	16

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
<p>SO1.1 understand the high level language and a low level language</p> <p>SO1.2 Explain phases of compilation</p> <p>SO1.3 Discuss cross-compilation</p> <p>SO1.4 Definition Traversing a DFA for recognizing tokens</p> <p>SO1.5 Explain Generating a lexical analyzer using LEX/Flex</p>		<p>Unit-1 Introduction to Compilers: Comparing abstractions of a high level language and a low level language; compilation as a series of steps for lowering the abstraction level through stepwise refinement; phases of compilation; bootstrapping; cross-compilation The role of lexical analysis; Token, lexemes, and token codes; Regular Expressions (RE) to represent tokens, Deterministic finite automata (DFA), Traversing a DFA for recognizing tokens; Generating a lexical analyzer using LEX/Flex.</p>	<p>1. Token, lexemes, and token codes</p> <p>2. Deterministic finite automata (DFA),</p>

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SW-1 Suggested Sessional Work (SW):

- a. Assignments:
1. Regular Expressions (RE) to represent tokens
 2. Deterministic finite automata (DFA),
 3. Traversing a DFA for recognizing tokens;



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b. Other Activities (Specify): Seminar

PCCCS-602.2: To understand the difference between abstraction levels of a high level Language and a Machine Language.

Approximate Hours

Item	AppX Hrs
CI	18
LI	0
SW	2
SL	2
Total	22

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
<p>SO2.1 To Understand the Context Free Grammars</p> <p>SO2.2 To learn Overview of top-down and bottom-up parsing</p> <p>SO2.3 To learn about viable prefixes and valid items, Constructing LR(0) sets of items</p> <p>SO2.4 Explain Top-down parsing, Left factoring</p> <p>SO2.5 Explain parsing, recursive descent parsing</p>		<p>Unit 2: Syntax Analysis:</p> <p>: Context Free Grammars (CFG),</p> <p>: Concept of parsing, sentences and sentential forms,</p> <p>: leftmost and rightmost derivations, parse trees, ambiguous grammar</p> <p>: Overview of top-down and bottom-up parsing;</p> <p>: Introduction to shift reduce parsing;</p> <p>: viable prefixes and</p>	<ol style="list-style-type: none"> 1. Generating a parser using a parser generator such as ANTLR 2. leftmost and rightmost derivations, parse trees, ambiguous grammar

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		<p>valid items, Constructing LR(0) sets of items; : Constructing SLR parsing tables; : Generating a parser using a parser generator such as YACC/Bison. : Top-down parsing, Left factoring, : Elimination of left recursion : Practice problems on left recursion removal : predictive parsing : Examples on predictive parsing : recursive descent parsing : Examples on recursive descent parsing : LL (1) parsing and LL(1) parsing table : String acceptance using LL(1) parsing : Generating a parser using a parser generator such as ANTLR, JavaCC, etc.</p>	
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SW-2 Suggested Sessional Work (SW):

a. Assignments:

- i. viable prefixes and valid items, Constructing LR(0) sets of items;
- ii. Generating a parser using a parser generator such as YACC/Bison
- iii. Generating a parser using a parser generator such as YACC/Bison.

b. Other Activities (Specify):

Seminar

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PCCCS-602.3: To understand the role of a sequence of intermediate representations in lowering the Level of Abstractions in the process of language translation

Approximate Hours

Item	AppX Hrs
CI	12
LI	0
SW	2
SL	2
Total	16

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
<p>SO3.1 To Understand semantic analysis</p> <p>SO3.2 To learn assignment Statements</p> <p>SO3.3 To understand the attribute evaluation</p> <p>SO3.4 Explain Applications of SDTS</p> <p>SO3.5 learn about declaration processing and type checking</p>	<p>1. Write a parser to parse the given input MMC program</p> <p>2. Write a C Program to implement DFAs that recognize identifiers, constants, and operators of the mini language</p>	<p>Unit 3: Semantic Analysis:</p> <p>The need of semantic analysis</p> <p>abstract syntax trees for expressions, assignment Statements</p> <p>Examples on assignment Statements</p> <p>control flow statements</p> <p>attribute evaluation, syntax directed translation schemes (SDTS);</p> <p>Applications of SDTS</p> <p>Example the SDTS</p> <p>declaration processing and type checking, generating three-address Code</p> <p>Examples on declaration processing</p>	<p>1. abstract syntax trees for expressions</p> <p>2. Assignment Statements and control flow statements;</p>

SW-3 Suggested Sessional Work (SW):

a. Assignments:



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1. ApplicationsofSDTS
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2. Declarationprocessingandtypechecking



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3. Generating three-address code

b. Other Activities (Specify):

Seminar

PCCCS-602.4: To get a first-hand experience of a practical application of elegant data structures, Algorithms, and Other core CS concepts such as automata theory

Approximate Hours

Item	AppX Hrs
CI	10
LI	0
SW	2
SL	2
Total	14

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
SO4.1 Evaluation Parameter passing by value SO4.2 Understanding the stack and static allocation of activation records SO4.3 To learn translating a function call SO4.4 To learn about function epilogue SO4.5 Discuss call sequence, and return sequence	1. Write a type-checker for a syntactically correct input MMC program 2. Implement the lexical analyzer using Lex, flex or other lexical analyzer-generating tools.	Unit-4: Runtime support: Parameter passing by value, reference, and name activation records stack and static allocation of activation records translating a function call allocating offset to variables, generating code for function prologue, function epilogue, call sequence, and return sequence.	1. stack and static allocation of activation records 2. generating code for function prologue

SW-4 Suggested Sessional Work (SW):

a. Assignments:



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1. Stackandstaticallocationofactivation records;
2. Generatingcodeforfunctionprologue
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3. Callsequence,and returnsequence



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b. Other Activities (Specify):
 Seminar

PCCCS-602.5: To make effective use of tools such as LEX and YACC.

Approximate Hours

Item	AppX Hrs
CI	8
LI	0
SW	2
SL	2
Total	12

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
SO5.1 To Understand Control flow graphs SO5.2 Explain Local optimizations SO5.3 learn this subexpression SO5.4 To understand assembly code from SO5.5 Explain allocation and instruction selection		Unit 5: Introduction to Code: Optimization Control flow graphs Local optimizations (common subexpression), copy propagation, dead code elimination Generating assembly code from three address codes using simple register allocation and instruction selection.	1. copy propagation 2. dead code elimination

SW-4 Suggested Sessional Work (SW):

a. Assignments:

1. Local optimizations (common subexpression, copy propagation, dead code elimination)
2. Generating assembly code from three address codes
3. Allocation and instruction selection

b. Other Activities (Specify):

Seminar



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Brief of Hours suggested for the Course Outcome

for *BCA (Bachelor of Computer Applications)*

Course Outcomes	Class Lecture (CI)	Sessional Work (SW)	Self-Learning (SI)	Total hour (CI+SW+SI+LI)
PCCCS-602.1: To understand the role, functionality and structure of program translation and interpretation in software development.	12	02	02	16
PCCCS-602.2: To understand the difference between abstraction levels of a high-level language and a machine language	18	02	02	22
PCCCS-602.3: To understand the role of a sequence of intermediate representations in lowering the level of abstractions in the process of language translation	12	02	02	16
PCCCS-602.4: To get a first-hand experience of a practical application of elegant data structures, algorithms, and other core CS concepts such as automata theory	10	02	02	14
PCCCS-602.5: To make effective use of tools such as LEX and YACC.	08	02	02	12
Total Hours	60	10	10	80

for *BCA (Bachelor of Computer Applications)*



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Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Introduction to Compilers	03	02	03	08
CO-2	Syntax Analysis	03	01	05	09
CO-3	Semantic Analysis	03	07	02	12
CO-4	Runtime support	03	05	05	13
CO-5	Introduction to Code	03	02	03	08
Total		15	17	18	50

Legend: R:Remember, U:Understand,

A:Apply The end of semester assessment for

Compiler Design will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks.

Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

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1. ImprovedLecture
2. Tutorial



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3. Case Method
4. Group Discussion
5. Role Play
6. Demonstration
7. ICT Based Teaching Learning (Video Demonstration/Tutorials CBT, Blog, Facebook, Twitter, WhatsApp, Mobile, Online sources)
8. Brainstorming

Suggested Learning Resources:

S.No.	Title	Author	Publisher	Edition & Year
1	Compilers	Aho, Lam, Sethi, and Ullman	Principles, Techniques, and Tools	2/e, Addison-Wesley, 2006
2	Modern Compiler Implementation in Java	Andrew Appel and Jens Palsberg	Pearson Education India	2/e, Cambridge University Press, 2002.

Curriculum Development Team

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5. Mr. Lokendra Gaur, Assistant Professor, Department of Computer Science and Engineering.
6. Mr. Vinay Kumar Dwivedi, Assistant Professor, Department of Computer Science and Engineering.
7. Ms. Pinki Sharma, Assistant Professor, Department of Computer Science and Engineering.
8. Ms. Pushpa Kushwaha, Assistant Professor, Department of Computer Science and Engineering.

COs, POs and PSOs Mapping

Program: B.Tech. Computer Science & Engineering

Course Code: PCC CS-602

Course Title: Compiler Design

Course Outcomes	Program Outcomes												Program Specific Outcome			
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3	PSO4
	Engineering knowledge	Problem analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and teamwork	Communication	Project management and finance	Life-long learning				
CO1: To understand the role, functionality, and structure of program translation and interpretation in software development.	2	3	3	2	1	2	1	1	1	1	1	2	2	3	1	2
CO2: To understand the difference between abstract levels of a high-level language and a machine language	2	2	3	3	1	2	1	1	1	1	1	3	2	2	2	2
CO3: To understand the role of a sequence of intermediate representations in lowering the level of abstractions in the process of language translation	2	3	3	2	1	1	1	1	1	1	1	3	1	1	2	2
CO4: To get a firsthand experience of a practical application of elegant data structures, algorithms, and other core CS concepts such as automata theory	2	2	3	3	1	2	1	1	1	1	1	3	2	3	1	2

CO5: To make effective use of tools such as LEX and YACC.	2	3	3	3	2	2	1	1	1	1	3	3	2	3	1	1
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Legend: 1 – Low, 2 – Medium, 3 – High



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Course Curriculum Map

	POs&PSOsNo.	COsNo.&Titles	SOs No.	Classroom
C In	PO1,2,3,4,5,6,7, 8,9,10,11,12 PSO1,2,3,4	CO1:To understand the role, functionality, and structure of program translation and interpretation in software development.	SO1.1 SO1.2 SO1.3 SO1.4 SO1.5	Unit-1: Introduction to 1.1,1.2,1.3,1.4,1.5,1.6, 1,1.12
,	PO1,2,3,4,5,6,7, 8,9,10,11,12,13,1 4,15,16,17,18 PSO1,2,3,4	CO2:To understand the difference between abstraction level of a high- level language and a machine language	SO2.1 SO2.2 SO2.3 SO2.4 SO2.5	Unit-2: Syntax Analysis 2.1,2.2,2.3,2.4,2.5,2.6 2.7,2.8,2.9,2.10,2.11,2 2.16,2.17,2.18
	PO1,2,3,4,5,6,7, 8,9,10,11,12 PSO1,2,3,4	CO3:To understand the role of a sequence of intermediate representations in lowering the level of abstractions in the process of language translation	SO3.1 SO3.2 SO3.3 SO3.4 SO3.5	Unit-3: Semantic Analysis 3.1,3.2,3.3,3.4,3.5,3.6,3 3.12
	PO1,2,3,4,5,6,7, 8,9,10 PSO1,2,3,4	CO4:To get a first-hand experience of a practical application of elegant data structures, algorithms, and other core CS concepts such as automata theory	SO4.1 SO4.2 SO4.3 SO4.4 SO4.5	Unit-4: Run Time support 4.1,4.2,4.3,4.4,4.5,4.6,
	PO1,2,3,4,5,6,7, 8 PSO1,2,3,4	CO5:To make effective use of tools such as LEX and YACC.	SO5.1 SO5.2 SO5.3 SO5.4 SO5.5	Unit-5: Introduction to 5.1,5.2,5.3,5.4,5.5,5.6,5

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Semester VIII

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Course Code:

Course Title: English for Research Paper Writing

Pre- requisite: Students should have basic knowledge of presenting themselves, their thoughts and ideas

Rationale: Writing a research paper is the primary channel for passing on knowledge to the scientist working in the same field or related fields. It is important to know the skill of writing papers to demonstrate your ability to understand, relate to what has been learnt, as well as receive critical peer feedback.

CO 1: Student will learn how to improve their writing skills, and level of readability

CO2: Students will understand the concept of plagiarism, and how to avoid ambiguity

and vagueness CO3: Students will learn about what to write in each section of paper

CO4: Students will understand significance of each section of paper, and learn how to write it at the same time.

CO5: Ensure the good quality of paper at very first-time submission **Scheme**

of Studies:

Board of Study	Course Code	Course Title	Scheme of studies (Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
RC	02CA80 1.	English for Research Paper Writing	4	0	2	1	7	4

Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performances in laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.



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Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.

Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							End Semester Assessment	Total Marks
			Progressive Assessment (PRA)								
			Class/Home Assignment 5 number 3 marks each (CA)	Class Test 2 (2 best out of 3) 10 marks each (CT)	Seminar one (SA)	Class Activity any one (CAT)	Class Attendance (AT)	Total Marks (CA+CT+SA+CAT+AT)			
RC	02CA 801	English for Research Paper Writing	15	20	5	5	5	50	50	100	

Course-Curriculum Detailing

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

CO 1: Student will learn how to improve their writing skills, and level of readability

Approximate Hours



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Item	Appx Hrs.
CI	12

LI	0
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SW	1
SL	1
Total	14

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
SO1.1 Students learn to design the research paper. SO1.2 Students learn to read the research paper in a systematic way. SO1.3 Examine and identify the redundancy in a research paper SO1.4 Learn to summarise and be concise SO1.5 Understand the concept of ambiguity and vagueness		Unit 1: Preparation of Research Paper Steps to introduce to the technique of reading research paper Steps to introduce to the technique of reading research paper continued Breaking up of sentences, Breaking up of sentences continued structuring paragraphs structuring paragraphs continued Making the paper concise Making the paper concise continued removing redundancy removing redundancy Continued Concept of Ambiguity and Concept of Vagueness	Reading research papers on relevant topics

CO2: Students will understand the concept of plagiarism, and how to avoid ambiguity and vagueness

Approximate Hours

Item	Appx Hours
CI	12



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LI	0
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SW	1
SL	1
Total	14

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	Self - Learning (SL)
<p>SO2.1: Students learn to create a contrast between previous and present work.</p> <p>SO2.2: Learn paraphrasing tool</p> <p>SO2.3: Use of plagiarism check tool</p> <p>SO2.4: Students understand the concept of hedging and criticising</p>	.	<p>UNIT 2 – Paraphrasing and checking Plagiarism</p> <p>Clarifying Who Did What, Highlighting Your Findings, Hedging and Criticising, Paraphrasing Plagiarism Clarification of previous work and their order Highlighting your work Paraphrasing and its tools Plagiarism Check Software Use of Plagiarism Check Software</p>	Learn different AI tools for Writing

CO3: Students will learn about what to write in each section of paper

Approximate Hours	
Item	Appx Hours
CI	12
LI	0
SW	1
SL	1



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Total	14
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Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
SO3.1: Students learn to write a research paper in proper format. SO3.2: Students are able to understand different sections of paper. SO3.3: Create an effective abstract and introduction. SO3.4: Describe Review of Literature. SO3.5: Learn to write Methodology of Research Paper.	.	Unit-3:Planning Sections of a Paper 3.1.Introduction to sections of a research paper. 3.2.Introduction to sections of a research paper continued 3.3.Key skills to write an Abstract and 3.4.Key skills to write an Introduction. 3.5.Skills to write Review of Literature. 3.6.Skills to write Review of Literature continued 3.7.Key skills to write Methodology. -I 3.8.Key skills to write Methodology. -II 3.9.Skills to draw diagrams Skills to draw diagrams continued Key skills to plot result graphs Key skills to write future scope	Study key skills to write the abstract and Methodology

CO4: Students will understand significance of each section of paper, and learn how to write it at the same time.

Approximate Hours	
Item	Appx Hours
CI	9
LI	0
SW	0
SL	1
Total	10



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Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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SO4.1: Students learn to state the result of their findings. SO4.2: Students learn to draw conclusions of their research SO4.3: Students are able to analyse and discuss their result of paper SO4.4: Students are able to evaluate their paper SO4.5: Students learn to assess their work through a final check.	.	Unit-4 : Finalising the Research Paper Results of research findings-I Results of research findings-II Drawing conclusion of the research-I Drawing conclusion of the research-II Discussion on the result of paper-I Discussion on the result of paper-II Final check of the paper-I Final check of the paper-II Discussion of future scope	Study of to find research gaps
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CO5: Ensure the good quality of paper at very first-time submission

Item	Appx Hours
CI	12
LI	0
SW	1
SL	1
Total	14

Session Outcomes (SOs)	(LI)	Class room Instruction (CI)	(SL)
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SO5.1: Students are able to understand effective research paper writing skills		Unit 5- Research Paper Publication Useful Phrases for effective research paper writing-I Useful Phrases for effective research paper writing-II	Study of different journals
		Useful Phrases for effective research paper writing-III Selection of appropriate journal Selection of appropriate journal Identify Predatory journal 5.7. Identify Predatory journal 5.8. Check submission format of research papers 5.9. Check submission format of research papers 5.10. Paper submission techniques-I Paper submission techniques-II Paper submission techniques-III	

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Sessional Work (SW)	Self-Learning (Sl)	Total hour (Cl+SW+Sl)
CO1: Student will learn how to improve their writing skills, and level of readability	12	1	1	10



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CO2: Students will understand the concept of plagiarism, and how to avoid ambiguity and vagueness	12		1	10
CO3: Students will learn about what to write in each section of paper	12		1	10
CO4: Students will understand significance of each section of paper, and learn how to write it at the same time.	12		1	9
CO5: Ensure the good quality of paper at very first-time submission.	12		1	10
Total Hours	60	1	04	49

Suggestion for End Semester Assessment 1

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
1	Unit 1: Preparation of Research Paper	2	5	3	10
2	Unit 2: Paraphrasing and checking Plagiarism	3	4	3	10
3	Unit 3: Planning Sections of a Paper	2	3	5	10
4	Unit 4: Finalising the Research Paper	2	2	6	10
5	Unit 5: Research Paper Publication	1	2	7	10
Total		10	16	24	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for English for Research Paper Writing s will be held with written examination of 50 marks

Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks. Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:

1. Improved Lecture



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2. Tutorial
3. Case Method
4. Group Discussion
5. Brainstorming **Suggested Studies:**

1. Goldbort R (2006) Writing for Science, Yale University Press (available on Google Books)
2. Day R (2006) How to Write and Publish a Scientific Paper, Cambridge University Press
3. Highman N (1998), Handbook of Writing for the Mathematical Sciences, SIAM. Highman'sbook.
4. Adrian Wallwork, English for Writing Research Papers, Springer New York Dordrecht Heidelberg London, 2011

COs, POs and PSOs Mapping

Program: B. Tech. Computer Science & Engineering
Course Code: OECIII - B
Course Title: English for research paper writing

Course Outcomes	Program Outcomes												Program Specific Outcome			
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3	PSO 4
	Engineering knowledge	Problem analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-longlearning				
CO 1: : Student will learn how to improve their writing skills, and level of readability	2	2	1	1	3	2	2	3	2	2	1	1	2	3	3	1
CO 2 : Students will understand the concept of plagiarism, and how to avoid ambiguity and vagueness	2	2	2	1	3	2	2	3	2	2	2	1	2	2	2	1
CO 3: Students will learn about what to write in each section of paper	2	3	2	1	3	2	2	3	2	3	2	1	1	1	2	2
CO 4: Students will understand significance of each section of paper, and learn how to write it at the same time	1	-	2	1	1	1	-	-	1	-	2	1	3	3	3	2

CO 5: Ensure the good quality of paper at very first-time submission	1	2	2	1	2	2	1	3	1	2	2	1	3	3	1	3
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Legend: 1 – Low, 2 – Medium, 3 – High

Course Curriculum Map

POs & PSOs No.	COs No.& Titles	SOs No.	Classroom Instruction(CI)	Self-Learning(SL)
PO 1,2,3,4,5,6,7, 8,9,10,11,12 PSO 1,2, 3, 4	CO 1: Student will learn how to improve their writing skills, and level of readability	SO1.1 SO1.2 SO1.3 SO1.4 SO1.5	Unit-1 Self-grooming, Basic Etiquettes and Presentation Skill 1.1,1.2,1.3,1.4,1.5,1.6,1.7,1.8,1.9	As mentioned in page number above
PO 1,2,3,4,5,6,7, 8,9,10,11,12 PSO 1,2, 3, 4	CO 2 : Students will understand the concept of plagiarism, and how to avoid ambiguity and vagueness	SO2.1 SO2.2 SO2.3 SO2.4	Unit-2 Confidence building skills, Interview Skills and Resume Writing 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7,2.8,2.9	
PO 1,2,3,4,5,6,7, 8,9,10,11,12 PSO 1,2, 3, 4	CO 3: Students will learn about what to write in each section of paper	SO3.1 SO3.2 SO3.3 SO3.4 So3.5	Unit-3 Public Speaking Skills & Conversational Skills 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8,3.9	
PO 1,2,3,4,5,6,7, 8,9,10,11,12 PSO 1,2, 3, 4	CO 4: Students will understand significance of each section of paper, and learn how to write it at the same time	SO4.1 SO4.2 SO4.3 SO4.4 SO4.5	Unit-4 Functional Grammar and Vocabulary Building 4.1,4.2,4.3,4.4,4.5,4.6,4.7,4.8,4.9	
PO 1,2,3,4,5,6,7, 8,9,10,11,12 PSO 1,2, 3, 4	CO 5: Ensure the good quality of paper at very first-time submission	SO5.1	Unit-5 Indian Writing in English & Hindi Statistics 5.1,5.2,5.3,5.4,5.5,5.6,5.7,5.8,5.9	



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Semester-VIII

Course Code: 01CA801

Course Title : Statistical Thinking for Data Science

Pre-requisite: Student should have basic knowledge of Statistics and database

Rationale: Statistical Thinking for Data Science boosts the discovery of new and unexpected insights From data.

Course Outcomes:

CO1: Understand the statistical foundation for data science

CO2: Apply statistical thinking in collecting, modeling and analyzing data

CO3: Apply statistical thinking in collecting, modeling and analyzing data

CO4: Ability to visualize all types of data

CO5: Understand how to use R for different types of data

Scheme of Studies:

Board of Study	Course Code	Course Title	Scheme of studies(Hours/Week)					Total Credits (C)
			CI	LI	SW	SL	Total Study Hours (CI+LI+SW+SL)	
Program Core (PCC)	01CA801	Statistical Thinking for Data Science	4	4	2	1	11	6

Legend: **CI:** Classroom Instruction (Includes different instructional strategies i.e. Lecture (L) and Tutorial (T) and others),

LI: Laboratory Instruction (Includes Practical performance laboratory workshop, field or other locations using different instructional strategies)

SW: Sessional Work (includes assignment, seminar, mini project etc.),

SL: Self Learning, **C:** Credits.

Note: SW & SL has to be planned and performed under the continuous guidance and feedback of teacher to ensure outcome of Learning.



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Scheme of Assessment:

Theory

Board of Study	Course Code	Course Title	Scheme of Assessment (Marks)							
			Progressive Assessment (PRA)						End Semester Assessment (ESA)	Total Marks (PRA + ESA)
			Class/Home Assignment 5 number 3 marks each	Class Test 2 (2 best out of 3) 10 marks each CT	Seminar one SA	Class Activity any one CAT	Class Attendance AT	Total Marks (CA+CT+SA+CAT+AT)		
PC C	01CA 801	Statistical Thinking for Data Science	15	20	5	5	5	50	50	100

Course-Curriculum Detailing:

This course syllabus illustrates the expected learning achievements, both at the course and session levels, which students are anticipated to accomplish through various modes of instruction including Classroom Instruction (CI), Laboratory Instruction (LI), Sessional Work (SW), and Self Learning (SL). As the course progresses, students should showcase their mastery of Session Outcomes (SOs), culminating in the overall achievement of Course Outcomes (COs) upon the course's conclusion.

OEII – A.1: Understand the statistical foundation for data science

Approximate Hours

Item	Appx. Hrs.
CI	12
LI	12
SW	1
SL	1
Total	26

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)



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<p>SO1.1 Define Data acquisition</p> <p>SO1.2 Explain cleaning and aggregation SO1.3 Explain Exploratory data analysis</p> <p>SO1.4 Discuss data Visualization</p> <p>SO1.5 Model creation and validation</p>	<p>LI1.1. Calculate the mean, median, and mode for a given dataset.</p> <p>LI1.2. Determine the standard deviation and variance of a set of data points.</p> <p>LI1.3. Create a histogram and interpret the distribution of a dataset.</p>	<p>Unit 1: Introduction to Data Science: (9 lecture)</p> <p>Data acquisition-I Data acquisition-II Cleaning-I Cleaning-II Aggregation-I Aggregation-II Exploratory data analysis-I Exploratory data analysis-II Visualization Feature engineering Model creation and validation</p>	<p>1. Learn Feature engineering</p>
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SW-1 Suggested Sessional Work (SW):

a. Assignments:

- (i) Discuss about different techniques of data analysis

b. Presentation

OECII - A.2: Apply statistical thinking in collecting, modeling and analyzing data

Approximate Hours

Item	AppX Hrs
CI	12
LI	12
SW	1
SL	1
Total	26

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)



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<p>SO2.1 To Understand Statistical Thinking,</p> <p>SO2.2 To learn different approaches of data sampling</p> <p>SO2.3 To Explain Probability</p> <p>SO2.4 To Explain Statistical Inference</p>	<p>LI2.1. Apply the concept of conditional probability to a real-world scenario.</p> <p>LI2.2. Use the binomial distribution to model a probability scenario.</p> <p>LI2.3. Apply the normal distribution to solve a problem involving z-scores.</p>	<p>Unit-2: Statistical Thinking 1(9 lectures)</p> <p>Examples of Statistical Thinking,</p> <p>Numerical Data</p> <p>Summary Statistics</p> <p>From Population to Sampled Data</p> <p>Different Types of Biases- I</p> <p>Different Types of Biases -II</p> <p>Introduction to Probability</p> <p>Concepts of Probability-I</p> <p>Concepts of Probability-II</p> <p>Introduction to Statistical Inference Concepts</p> <p>of Statistical Inference</p>	<p>1. learn different types of Biases.</p>
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SW-2 Suggested Seasonal Work (SW):

a. Assignments:

(i) Write about numerical data?

b. Presentation

OEII - A.3: Apply statistical thinking in collecting, modeling and analyzing data

Approximate Hours

Item	AppX Hrs
CI	12
LI	12
SW	1
SL	1
Total	26

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
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BCA (Bachelor of Computer Applications)

<p>SO3.1 To understand Association and Dependence</p> <p>SO3.2 know the Conditional Probability and Bays Rule</p> <p>SO3.3 To understand the Linear Regression.</p> <p>SO3.4 develop a Special Regression Model</p>	<p>LI3.1. Compute probabilities for simple events and joint events.</p> <p>LI3.2. Calculate the margin of error and construct a confidence interval.</p> <p>LI3.3. Perform a hypothesis test and interpret the results.</p>	<p>Unit3:Statistical Thinking 2 (9 lecture)</p> <p>Association and Dependence</p> <p>Association and Causation</p> <p>Conditional Probability- I</p> <p>Conditional Probability- II</p> <p>Bays Rule</p> <p>Example of Bays Rule</p> <p>Simpsons Paradox</p> <p>Example</p> <p>Confounding</p> <p>Introduction to Linear Regression</p> <p>Questions based on linear regression</p> <p style="text-align: center;">Special Regression Model.</p>	<p>I. Learn about Simpsons Paradox</p>
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SW-2 Suggested Seasonal Work (SW):

a. Assignments:

- (i) Explain Association and Causation

b. Presentation

OECII - A.4: Ability to visualize all types of data

Approximate Hours

Item	App X Hrs
CI	12
LI	12
SW	1
SL	1
Total	26

Session Out comes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)
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<p>SO4.1 To Understand the Goals of statistical graphics and data visualization</p> <p>SO4.2 Explain the Graphs of Data</p> <p>SO4.3 implement Graphs of Fitted Models</p> <p>SO4.4 To Understand the Principles of graphics</p>	<p>LI4.1. Use autocorrelation and partial autocorrelation functions in time series analysis.</p> <p>LI4.2. Apply ARIMA modeling to make predictions in a time series dataset.</p> <p>LI4.3. Evaluate the accuracy of time series forecasts using appropriate metrics.</p>	<p>Unit-4 : Exploratory Data Analysis and Visualization (9 lectures)</p> <p>Goals of statistical graphics and data visualization</p> <p>Graphs of Data-I</p> <p>Graphs of Data-II</p> <p>Graphs of Fitted Models- I</p> <p>Graphs of Fitted Models -II</p> <p>Graphs to Check Fitted Models-I</p> <p>Graphs to Check Fitted Models-II</p> <p>What makes a good graph?</p> <p>Principles of graphics.-I</p> <p>Principles of graphics.-II</p>	<p>i. Draw a different graphs to fitted models</p>
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SW-4 Suggested Seasonal Work (SW):

a. Assignments:

- (i) Write the Principles of graphics?
- b. Presentation
- c. Pictorial representation of different graphs for data visualization.

OEII - A.5: Understand how to use R for different types of data

Approximate Hours

Item	AppX Hrs
Cl	12
LI	12
SW	1
SL	1
Total	26

Session Outcomes (SOs)	Laboratory Instruction (LI)	Classroom Instruction (CI)	Self-Learning (SL)



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<p>SO5.1To Understand Bayesian inference</p> <p>SO5.2 Discuss combining models and data in a forecasting problem</p> <p>SO5.3 To Explain Bayesian hierarchical modeling for studying public opinion</p> <p>SO5.4 To Understand Bayesian modeling for Big Data</p>	<p>LI5.1. Apply Bayes' Theorem to update probabilities based on new information.</p> <p>LI5.2. Identify trends and seasonality in a time series dataset.</p> <p>LI5.3. Develop a research question for a data science project.</p>	<p>Unit5: Introduction to Bayesian Modeling (8 lectures)</p> <p>Bayesian inference-I</p> <p>Bayesian inference-II</p> <p>combining models and data</p> <p>combining models and data forecasting problem</p> <p>forecasting problem</p> <p>Bayesian hierarchical modeling</p> <p>Bayesian hierarchical modeling studying public opinion</p> <p>studying public opinion</p> <p>Bayesian modeling for Big Data</p> <p>Bayesian modeling for Big Data</p>	<p>I. Learn forecasting problem</p>
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SW-5Suggested Seasonal Work (SW):

a. Assignments:

- (i) Explain in detail about Bayesian hierarchical modeling

b. Presentation:

c. Other Activities (Specify): Group discussion of important topics.

Brief of Hours suggested for the Course Outcome

Course Outcomes	Class Lecture (Cl)	Laboratory Instruction(LI)	Sessional Work (SW)	Self Learning (Sl)	Total hour (Cl+SW+Sl)
CO1. Understand the statistical foundation for data science	12	12	1	1	26



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CO2 Apply statistical thinking in collecting, modeling and analyzing data	12	12	1	1	26
CO3 Apply statistical thinking in collecting, modeling and analyzing data	12	12	1	1	26
CO4 Ability to visualize all types of data	12	12	1	1	26
CO5 Understand how to use R for different types of data	12	12	1	1	26
Total Hours	60	60	5	5	130

Suggestion for End Semester Assessment

Suggested Specification Table (For ESA)

CO	Unit Titles	Marks Distribution			Total Marks
		R	U	A	
CO-1	Unit 1: Introduction to Data Science	03	02	03	08
CO-2	Unit-2: Statistical Thinking 1	03	01	05	09
CO-3	Unit3:Statistical Thinking2	03	07	02	12
CO-4	Unit-4 : Exploratory Data Analysis and Visualization	03	05	05	13
CO-5	Unit5: Introduction to Bayesian Modeling	03	02	03	08
Total		15	17	18	50

Legend: R: Remember, U: Understand, A: Apply

The end of semester assessment for Statistical Thinking for Data Science will be held with written examination of 50 marks



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Note. Detailed Assessment rubric need to be prepared by the course wise teachers for above tasks.
Teachers can also design different tasks as per requirement, for end semester assessment.

Suggested Instructional/Implementation Strategies:



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1. Improved Lecture



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2. Tutorial
3. Case Method
4. Group Discussion
5. Role Pla
6. Demonstration
7. ICT Based Teaching Learning (Video Demonstration/Tutorials CBT, Blog, Facebook, Twitter, WhatsApp, Mobile, Online sources)
8. Brainstorming

Suggested Learning Resources: A.

Books:

S. No.	Title	Author	Publisher	Edition & Year
1	Computational Thinking: A Primer For Programmers And Data Scientists	G Venkatesh	Notion Press	2022
2	Data Science A Beginner's Guide	C. Raju	Penguin Random House	2023

B. Alternative NPTEL/SWAYAM/MOOC Course (if any): NA

Curriculum Development Team

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COs, POs and PSOs Mapping

Course Title: B. Tech. Computer Science & Engineering Course Code: OECII - A
Course Title: Statistical Thinking for Data Science

Course Outcomes	Program Outcomes												Program Specific Outcome				
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
	Engineering knowledge	Problem analysis	Design/development of solutions	Conduct studies of difficult problems	Utilization of modern tools	Engineers and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-longlearning	Use fundamental knowledge of math, science, and engineering to comprehend, evaluate, and create computer Programmes in the fields of algorithms, multimedia, big data analytics, machine learning, artificial intelligence, and networking for the effective design of computer-based systems of various complexity	Utilize relevant methods and cutting-edge hardware and software engineering tools to develop and integrate computer systems and related technologies. This PSO2 also encourages lifelong learning for the advancement of technology and its use in multidisciplinary settings	Applying professional engineering solutions for societal improvement while taking into account the environmental context, being conscious of professional ethics, and being able to effectively communicate.	Learn and use the most recent Artificial Intelligence and Data Science technologies in the fields of engineering and computer science	Recognize and examine issues in real life, then offer creative software solutions with the help of AI and Data Science Technologies.
CO1 Understand the statistical foundation for data science	1	1	2	2	3	2	3	2	2	1	3	2	2	3	3	1	2
CO2 Apply statistical thinking in collecting, modeling and analyzing data	1	1	2	2	1	2	3	2	1	1	2	2	2	2	2	1	3

CO3 Apply statistical thinking in collecting, modeling and analyzing data	3	2	2	2	3	2	3	2	2	1	2	3	3	3	3	2	2
CO4 Ability to visualize all types of data	-	-	-	1	1	3	3	3	1	1	2	2	3	3	1	3	3
CO5 Understand how to use R for different types of data	2	3	1	1	2	3	-	-	2	-	2	2	3	2	2	3	2

Legend: 1 – Low, 2 – Medium, 3 – High

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POs & PSOs No.	COs No.& Titles	SOs No.	Laboratory Instruction (LI)	Classroom
PO 1,2,3,4,5,6,7, 8,9,10,11,12 PSO 1,2, 3, 4	CO1 Understand the statistical foundation for data science	SO1.1 SO1.2 SO1.3 SO1.4	LI1.1,LI1.2,LI1.3	Unit 1: Introduction Science: (9 lecture) 1.1,1.2,1.3,1.4,1.5,1.6,1.7
PO 1,2,3,4,5,6,7, 8,9,10,11,12 PSO 1,2, 3, 4	CO2 Apply statistical thinking in collecting, modeling and analyzing data	SO2.1 SO2.2 SO2.3 SO2.4	LI2.1,LI2.2,LI2.3	Unit-2: Statistical T 2.1, 2.2, 2.3, 2.4, 2.5, 2.6,
PO 1,2,3,4,5,6,7, 8,9,10,11,12 PSO 1,2, 3, 4	CO3 Apply statistical thinking in collecting, modeling and analyzing data	SO3.1 SO3.2 SO3.3 SO3.470	LI3.1,LI3.2,LI3.3	Unit3:Statistical Th 3.1,3.2,3.3,3.4,3.5,3.6,3.7
PO 1,2,3,4,5,6,7, 8,9,10,11,12 PSO 1,2, 3, 4	CO4 Ability to visualize all types of data	SO4.1 SO4.2 SO4.3 SO4.4	LI4.1,LI4.2,LI4.3	Unit-4 : Exploratory Visualization 4.1,4.2,4.3,4.4,4.5,4.6,4.7
PO 1,2,3,4,5,6,7, 8,9,10,11,12	CO5 Understand how to use R for different types of data	SO5.1 SO5.2	LI5.1,LI5.2,LI5.3	Unit5: Introduction Modeling

PSO 1,2, 3, 4

SO5.3
SO5.4

5.1,5.2,5.3,5.4,5.5,5.6,5.7

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