NAAC Criteria 3

Research Innovations & Extension
250 Marks

Key Indicators : 07, Sub Indicators : 20

by

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NAAC for Quality and Excellence in Higher Education

Criteria 3
Research Innovations & Extension
Key Indicator

3.1	**Promotion of Research and Facilities**	**:**	**20**
3.2	**Resource Mobilization for Research**	**:**	**40**
3.3	**Innovation Ecosystem**	**:**	**20**
3.4	**Research Publication and Awards**	**:**	**120**
3.5	**Consultancy**	**:**	**20**
3.6	**Extension Activities**	**:**	**20**
3.7	**Collaboration**	**:**	**10**

Weightage for Criteria 3

	Key Indicators	University		Autonomous Colleges	Affiliated /College/ Constituent/ Colleges	
					UG	PG
3.1	**Promotion of Research & Facilities**	**20**		**20**	**NA**	**NA**
3.2	**Resource Mobilization**	**40** New	**20** Old	10	15	15
3.3	**Innovation Ecosystem**	**20** New	**30** Old	10	**NA**	10
3.4	**Research Publications & Award**	**120** New	**100** Old	**30**	**19**	**25**
3.5	**Consultancy**	**20**		**10**	**NA**	**NA**
3.6	**Extension Activities**	**20/40**		50	60	50
3.7	**Collaboration**	**20**		20	20	20
	Total	**250**		**150**	**110**	**120**

Metrics : 27 + 223 = 250

Qualitative Metrics (QIM)

3.1.1	QIM	01	02
3.3.1	QIM	01	15
3.6.1	QIM	01	10
		03	**27**

Quantitative Metrics (QnM)

3.1.2	QnM	01	03
3.1.3	QnM	01	05
3.1.4	QnM	01	10
3.2.1	QnM	01	25
3.2.2	QnM	01	15
3.3.2	QnM	01	05
3.4.1	QnM	01	05
3.4.2	QnM	01	15
3.4.3	QnM	01	15
3.4.4	QnM	01	20
3.4.5	QnM	01	10
3.4.6	QnM	01	15
3.4.7 to 3.5.1	QnM	03	60
3.6.2	QnM	01	10
3.7.1	QnM	01	10
		15	**223**

3.1.2/ 3.1.3/ 3.1.4/ 3.2.1/ 3.3.2/ 3.4.1/ 3.4.2/ 3.4.3/ 3.4.4/ 3.4.5/ 3.4.6/ 3.5.1/ 3.6.2/ 3.7.1 = 14 Data Template

Key Indicator – 3.1
Promotion of Research Facilities : 20

Metrics	Metric Description	Weightage
3.1.1 QIM	The Institution's **Research Facilities** are **Frequently Updated** and there are **Well Defined Policy** for **Promotion** of **Research** which is **Uploaded** on the **Institutional Website** & **Implemented.** **Write a Description** in Max of **500 Words**. File Description: • **Upload** Any **Additional Information**. • **Provide Links** as **Additional Information**. • **Upload COs** for **All Courses** (Exemples from Glossary)	2

Promotion of Research Facilities : 20

Metrics	Metric Description	Weightage
3.1.2 QnM	The Institution Provides **Seed Money** to its **Teachers** for **Research** (Average per year). 3.1.2.1: Amount of **Seed Money** **provided** **by** **institution** **to** **its Teachers** **for** **Research** year- wise during the last five years. (INR in Lakhs) <table><tr><td>**Year**</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>**INR in Lakhs**</td><td></td><td></td><td></td><td></td><td></td></tr></table> Formula : $$\dfrac{\text{Total Amount of Seed Money}}{5}$$	**3**

Promotion of Research Facilities : 20

Metrics	Metric Description	Weightage
3.1.2 QnM	**Upload the Specific Document as per Description Given Below:** • Institutional Data in the Prescribed Format (**Data Template**). • **List of Faculty Who have been provided with Seed Money for Research** along with the **Title** of the **Project**, **Duration** & **Amount** Year-Wise. • **Sanction Letters** of **Seed** to the **Teachers** is **Mandatory.** • Audited Income-Expenditure Statement highlighting the **Expenditure towards Seed Money Endorsed** by the **Finance Officer.** **Apart from the above:** • **Provide Links** for any other Relevant Document to support the claim. (if any) **Note** : **Seed Money Grant Less than One Lakh** per Faculty Shall not be Considered.	**3**

Benchmark : 3.1.2

Metric	Description	4	3	2	1	0
3.1.2 QnM	**The Institution Provides Seed Money to its Teachers for Research (Average Per Year; INR in Lakhs)** (3)	**>=50**	**40-50**	**30-40**	**20-30**	**<20**

Data template : 3.1.2

S.N.	Name of the faculty recipient of seed money	Date of grant	Amount granted (amount less than one lakh shall not be considered)

Standard Operating Procedure (SOP) : 3.1.2

S.N.	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1.	**3.1.2** The Institution Provides **Seed Money** to its **Teachers** for **Research** (**Average per year; INRin Lakhs**)	• **List of Faculty who have been provided with Seed Money for Research** along with the **Title of the Project, Duration and Amount** year-Wise. • **Sanction Letters** of Seed Money to the teachers is Mandatory. • **Audited Income-Expenditure** statement highlighting the relevant expenditure endorsed by the **Finance Officer**	• In case of large data, the **DVV** will ask for valid documents for specific enlisted teachers. Only **Formal Research** Project Seed Money will be **Considered**	• Grants for other than research projects are not to be considered • **Sponsorship to Conferences / Seminars etc are not to be considered.** • **Grants Received from Outside Agencies for Research are not to be Included.** • **Seed Money** grant Less than one lakh per Faculty shall not be Considered.

Promotion of Research Facilities : 20

Metrics	Metric Description	Weightage
3.1.3 QnM	Percentage of **Teachers Receiving National/ International Fellowship/ Financial Support** by Various Agencies for **Advanced Studies/ Research** **3.1.3.1:** Number of Teachers who Received National/ International Fellowship/ Financial Support from Various Agencies, for **Advanced Studies/ Research**; year-wise during the last Five Years. **Formula :** Total No. of Teachers who Received **National/ International Fellowship/ Financial Support** by Various Agencies for Advanced Studies/ Research (Last five years). X 100 (2.2) **Total No. of Full Time Teachers** (**Without repeat count**) the last five years **Upload the specific document as per description given below** • **Institutional Data** in the prescribed format (data template). • **E-copies** of the **Award Letters** of the teachers. • **List of Teachers** who have received the awards along with the nature of award, the awarding agency etc. • Provide the **Relevant Information** in **Institutional Website** as part of **Public Disclosure.** **Apart from the above:** • **Provide Links** for any other Relevant Document to Support the Claim. (if any) **Note: Sponsored International Travel Grant** Can Also be included here.	**5**

Data template : 3.1.3

SN	Name of the recipient faculty	Stature of fellowship (National/ International)	Awarding agency	Details of advanced studies	Year of award

Benchmark : 3.1.3

Metric	Description	4	3	2	1	0
3.1.3 QnM	**Percentage** of **Teachers** Receiving National/ **International Fellowship/ Financial Support** by **Various Agencies** for Advanced Studies/ Research during the last five years (5)	>=20	15-20	10-15	5-10	<5

Standard Operating Procedure (SOP) : 3.1.3

(SOP Published on :14/12/2022 by NAAC)

S.N.	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1.	3.1.3 Percentage of Teachers receiving **National**/ **International Fellowship/ Financial support** by various agencies for advanced studies/ research during the last five years	• **E-Copies** of the **Award Letters** of the teachers. • List of teachers who have received the awards along with the nature of award, the awarding agency etc.	**Documents for all Awards are Compulsory**	• Awards without any financial support are not to be included (**Eg.**: **Best Teacher Award**, Certificate of Appreciation). • **Sponsored International travel grant** can also be included here

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Promotion of Research Facilities : 20

Metrics	Metric Description	Weightage
3.1.4 QnM	**Percentage** of **JRFs**, **SRFs** among **the Enrolled PhD Scholars** in **Institution** the last five years. **3.1.4.1:** The **Number of JRFs**, **SRFs** among the Enrolled PhD Scholars in the Institution during the last five years. **3.1.4.1: Number of PhD Scholars Enrolled during the last Five years**. **Formula:** $$\frac{\text{Total No. JRF} + \text{SRF During Last Five years}}{\text{No. of Ph.D. Scholars Enrolled during last Five years}} \times 100$$ **Upload the Specific Document as per Description given below :** • Institutional Data in the Prescribed Format. (**Data Template**) • List of JRFs, SRFs, **Post - Doctoral Fellows**, **Research Associates** and other research fellows along with the details of the funding agency is to be provided. • **E-Copies of Fellowship Award** Letters (**Mandatory**). • Provide the relevant information in institutional website as part of public disclosure. **Apart from the above:** **Provide Links** for any other relevant document to support the claim. (if any) **Note: Institution Research Fellows with Grants Equal to UGC, JRF & SRF Fellowships shall be considered.**	**10**

Data Template : 3.1.4

S.N.	Year of award	Period of award (in years)	Name of the Scholar	Specify the grants viz JRF/ SRF/ PDF/ RA/ etc.	Awarding agency

Benchmark : 3.1.4

Metric	Description	4	3	2	1	0
3.1.4 QnM	Percentage of **JRFs**, **SRFs** among the enrolled **PhD** scholars in the institution during the last five years (10)	>=70	60-70	50-60	40-50	<40

Standard Operating Procedure (SOP) : 3.1.4

SOP Published on :14/12/2022 by NAAC

S.N	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1	**3.1.4** **Percentage** of **JRFs**, **SRFs** among **the Enrolled PhD Scholars** in **Institution.** **during the Last five years.**	• **List of JRFs, SRFs**, **Post Doctoral Fellows,** Research Associates and Other Research Fellows along with the **details of the Funding Agency is to be Provided.** • E - copies of fellowship award letters (mandatory)		• Research fellowships to the teachers/students/ research assistants etc given by the HEI will not be considered. **Institution Research Fellows** with Grants Equal to UGC **JRFs** & **SRFs** Fellowships **Shall be Considered**

Key indicator 3.2

Research Mobilization for Research : 20

Metrics	Metric Description	Weightage
3.2.1 QnM	**Research Funding Received by the Institution and its Faculties** through Government and **Non-Government Sources** such as **Industry, Corporate** house, International bodies for Research Project, Endowment Research Chairs (the last five years). **3.2.1.1: Total Grants for Research funding** received by the institution and its faculties through Government and non-government sources such as industry, corporate houses, international bodies for research project, Endowment Research Chairs (the last five years). (INR in Lakhs) **Upload the Specific Document as per Description Given below:** • Institutional Data in the prescribed format (Data Template Merged with 3.2.1) • **List** of **Project Titles** with details of **Principal Investigator**, amount Sanctioned and Sanctioning agency etc. • E-Copies of the Grant Award Letters for research Projects Sponsored by Govt. Agencies. • Provide the Relevant Information in **Institutional Website** as part of **Public Disclosure.** **Apart from the above:** **Provide Links** for Any Other Relevant Document to Support the claim. (if any)	**25**

Data Template : 3.2.1

S.N.	Name of the PI/ Co-PI	Title of the research Project	Name of the funding agency	Year of award or sanction	Amount in Rs.

Benchmark : 3.2.1

Metric	Description	4	3	2	1	0
3.2.1 QnM	**Research Funding Received by the Institution and its Faculties** through **Government** and **Non-government Sources** such as **Industry, Corporate Houses,** International bodies for **Research Project, Endowment Research** Chairs during the last five years (INR in Lakhs) (25)	>=2000	1500-2000	1000-1500	500-1000	<500

Standard Operating Procedure (SOP) : 3.2.1

14/12/2022

S.N.	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1.	**3.2.1 Research Funding Received by the Institution and its Faculties** through Government and **Non-Government Sources** such as **Industry, Corporate** house, International bodies for Research Project, Endowment Research Chairs (the last five years).	• List of **Extramural Funding** received for research, Endowment Research Chairs received during the last five years along with the nature of award, the awarding agency and the amount. • **E-Copies** of the letters of award for research, endowments, Chairs sponsored by non-government sources	• **Sanction Letter** of Grants by the funding • **Agency** is Mandatory to support the claim, and the source of funding should be from non-government organizations. • The Duration of the grant period should align with the last five years period.	• Grants given by their **Own Trust** / sister institutions are not to be included. **Grants** in the form of **Equipments** / **Software** / **Skill Development Centers** will **not** be **Considered.**

Research Mobilization for Research : 20

Metrics	Metric Description	Weightage
3.2.2 QnM	**Number of Research Projects per Teacher Funded** by **Government, Non-Government**, industry, Corporate Houses, International Bodies During the Last five years. 3.2.2.1: Number of **Research Projects** funded by government and non-government agencies During the last five years. **Formula:** Total Number of **Research Projects Funded** by **Government and Non Government** Industry, Corporate Houses, International Bodies during the Last five years $\times 100$ (2.2 Number of **Full Time Teachers** (**Without Repeat Count**) during the last five years) **Upload the Specific Document as per description given below:-** • Institutional data in the Prescribed Format. (**data template merged** with 3.2.1) • **List** of **Project Titles** with details of **Principal Investigator**, amount sanctioned and sanctioning agency etc. • **E-Copies** of the **Grant Award Letters** for **Research Projects** sponsored by Government Agencies. • Provide the Relevant Information in Institutional website as part of Public Disclosure. **Apart from the above:** • **Provide Links** for any other Relevant document to support the Claim. (if any)	15

Benchmark : 3.2.1

Metric	Description	4	3	2	1	0
3.2.2 Q_nM	Number of **research projects** per teacher funded by government, non- government , industry, corporate houses, international bodies during the last five years **(15)**	**>= 2**	**1.5-2**	**1-1.5**	**0.5-1**	**<0.5**

Standard Operating Procedure (SOP) : 3.2.1
(SOP Published on :14/12/2022 by NAAC)

S.N	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1.	**3.2.2 Number of Research Projects per Teacher Funded by Government, Non-Government, Industry, Corporate Houses, International Bodies** during the last five years	• List of **Project Titles** with details of **Principal investigator,** amount sanctioned and sanctioning agency etc. • **E-Copies** of the grant award letters for research projects sponsored by government agencies.	• **Sanction Letter** of **Grants** by the funding agency is mandatory to support the claim. • The duration of the grant period should align with the **last five years.**	**Grants in the form of Equipments / Software / Skill Development Centers will not be considered**

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Innovation Ecosystem : 20

Metrics	Metric Description	Weightage
3.3.1 QIM	**Institution** has Created an **Ecosystem** for **Innovation**, **Indian Knowledge System (IKS)** including **awareness about IPR**, establishment of **IPR Cell, Incubation Centre** and other initiatives for the **Creation** and **Transfer** of **Technology/ Knowledge** and the outcomes of the same are evident. **File Description:** • **Upload** any additional information. • **Upload** database of all currently enrolled students. (Data Template)	**15**

Innovation Ecosystem : 20

Metrics	Metric Description	Weightage
3.3.2 QnM	Number of **Awards** **received** for **Research/ Innovation** by the Institution/ **Teachers/ Research/ Scholars/ Students** during the last five years. ⬜ **3.3.2.1** Total number of **awards** received for **Research/ Innovation** by institution/ teachers scholars/ students during the last five years. **Upload the specific document as per description given below:** • Institutional data in the prescribed format (**data template**). • **E- Copies of award** letters issued by the awarding agency. • Provide the relevant information in institutional website as part of **Public Disclosure.** **Apart from the above:** **Provide Links** for any other relevant document to support the claim. (if any)	5

Data Template : 3.3.2

Name of the awardees	Name of the award	Name of the awarding body	Category of award (innovation/ technology Transfer etc.)

Benchmark : 3.3.2

Metric	Description	4	3	2	1	0
3.3.2 Q_nM	Number of **Awards received** for **Research/ Innovation** by the Institution/ **Teachers/ Research/ Scholars/ Students** during the last five years.(5)	>=30	20-30	10-20	5-10	<5

Standard Operating Procedure (SOP) : 3.3.2

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SN	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1	**3.3.2. Number of Awards Received for** **Research/ Innovations** by the Institution/ Teachers/ **Research Scholars**/ **Students during** the last five years	• **E- Copies** of award letters issued by the awarding agency.	• Awards for Research/ Innovation Received by the Institution/ Teachers/ Research Scholars/ Students to be Considered here. **Claims without Certificate or Award Letter will not be Considered**	• **Participation** / **Presentation Certificates** in workshops / conferences etc., are not to be included. • Awards claimed in 2.4.4 not to be claimed here. • **Patents** not to be included here.

Research Publications & Awards : 120

Metrics	Metric Description	Weightage
3.4.1 QnM	**The Institution Ensures Implementation of its Stated Code of Ethics for Research.** **3.4.1.1** The Institution has a **Stated code of Ethics for Research** and the Implementation of which is Ensured through the following: 1. **Inclusion of Research Ethics in the Research Methodology Course** Work. 2. Presence of Institutional Ethics Committees (Animal, Chemical, Bio- Ethics etc.) 3. **Plagiarism Check through Software**. 4. Research Advisory Committee. **Options:** A. **All of the above** B. Any 3 of the above C. Any 2 of the above D. Any 1 of the above E. None of the above (Opt any one) **Upload the specific document as per description given below:** • Institutional data in the prescribed format . (**Data Template**) • **Copy** of the **Syllabus** of the **Research Methodology Course Work** to indicate if research ethics is included. • Constitution of the **Ethics Committee** and its **Proceedings as Approved** by the **Appropriate Body**. • **Bills** of **Purchase of Licensed Plagiarism Check Software** in the name of the HEI. • Provide the relevant information in institutional website as part of public disclosure. **Apart from the above:** 　　**Provide Links** for any other relevant document to support the claim (if any).	**5**

Data Template : 3.4.1

Inclusion of research ethics in the Research Methodology course work	Presence of Institutional Ethics Committees (Animal, chemical, bio-ethics etc.)	Plagiarism check	Research Advisory Committee

Benchmark : 3.4.1

Metric	Description	4	3	2	1	0
3.4.1 QnM	**The institution ensures implementation of its stated Code of Ethics for research (5)** The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following: 1. **Inclusion of research ethics in the research methodology course work** 2. Presence of institutional Ethics committees (Animal, chemical,bio-ethics etc.,) 3. Plagiarism Check 4. **Research Advisory Committee**	A	B	C	D	E

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Standard Operating Procedure (SOP) : 3.4.1

S N	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1	**3.4.1** The institution ensures implementation of its stated Code of Ethics for research **3.4.1. 1** The Institution has a **Stated Code** of **Ethics** for **Research** and the Implementation of which is Ensured through the following: 1. **Inclusion** of **Research Ethics** in the **Research Methodology Course** Work. 2. Presence of Institutional Ethics Committees (Animal, Chemical, Bio- Ethics etc.) 3. **Plagiarism Check through Software**. 4. Research Advisory Committee.	• Copy of the Syllabus of the Research Methodology Course work to indicate if research ethics is included. • Constitution of the **Ethics Committee** and its Proceedings as Approved by the appropriate body. • Constitution of **Research Advisory Committee** and its proceedings as approved by the appropriate body. • **Bills of Purchase** of licensed plagiarism check software in the name of the HEI.	• Provide Web Link on the **Institutional Website** which should lead to the **Landing Page** where Code of Ethics for research is hosted. Report of **Research Content** Checked through **Licensed Plagiarism Check Software.**	• If the link leads only to the home page, the claim will not be considered.

Research Publications & Awards : 120

Metrics	Metric Description	Weightage
3.4.2 QnM	Number **of Patents Awarded** during the last five years. **3.4.2.1:** Total number of Patents awarded during the last five years. ▢ **Upload the specific document as per description given below** • Institutional Data in the Prescribed Format . (**Data Template**) • **E-Copies of Letter of Patent Grant.** • **Patent Granted/ Published in the Name of the Faculty** with the **Institutional Affiliation to the** University Working during the assessment period only to be given. • **Provide the Relevant Information in Institutional Website** as part of public disclosure. • In case of Patents obtained outside India, provide us one of the following: 1. If the Indian Patent application is filed for the corresponding foreign patent, please provide us the current status of the Indian patent application. 2. If you have filled the foreign patent without filing corresponding Indian patent application, please provide us a copy of foreign filing license obtained from Indian patent office as per section 39 of Indian Patent act, 1970. **Apart from the above:** **Provide Links** for any other relevant document to support the claim. (if any)	**15**

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Data Template : 3.4.2

Name of the Faculty / Student author of the Patent	Patent Number	Date of Award	Patent awarding Agency

Benchmark : 3.4.2

Metric	Description	4	3	2	1	0
3.4.2 Q_nM	**Number** of **Patents Awarded during** the last five years **(15)**	>=7	5-7	3-5	1-3	<1

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Standard Operating Procedure (SOP) : 3.4.2

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SN	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1.	3.4.2 Number of **Patents awarded** during the last five years	• **E-copies** of the **Letters** of **Granted Patents**, and the current status. Patents granted in the name of the faculty with the institutional affiliation to the university working during the assessment period.	• **Only Awarded /** published patents to be considered. • Patent awarded / published during the last five year assessment period only to be considered. • **Patents awarded** should be supported with a Letter of Award and the **Unique Patent Number** which can be cross- verified. • Patents awarded / published in the name of faculty working in the University during the assessment period • only to be considered.	• Mere submission of application/or published patent will not be considered until it is awarded.

Key Indicator : 3.4
Research Publications & Awards : 120

Metrics	Metric Description	Weightage
3.4.3 QnM	Number of **Ph.Ds Awarded** per **Recognized Guide** during the last five years. 3.4.3.1: How many Ph.Ds were awarded during the last 5 years. ⬜ 3.4.3.2: Number of **Teachers Recognized as Guides** during the last five years. ⬜ **Formula:** <u>**Number** of **Ph.D. Degrees Awarded** during the last five years</u> X 100 **Number** of **Teachers Recognized as Guides** during the last five years. **Upload the specific document as per description given below:** • Institutional Data in the Prescribed format. (**data template**) • PhD Award **letters** to Ph.D. Students. • Letter from the university indicating name of the Ph.D. Student with title of the doctoral study and the name of the guide. • Provide the Relevant Information in institutional website as part of Public Disclosure. **Apart from the above:** **Provide Links** for any other relevant document to support the claim. (if any)	**15**

Data Template : 3.4.3

Name of the Ph.d research Scholar	Name of the Research Supervisor	Year of Registration	Year of completion and award of PhD

Benchmark : 3.4.3

Metric	Description	4	3	2	1	0
3.4.3 Q_nM	Number of Ph.Ds Awarded per recognized guide during the last five years (15)	>=5	4-5	2-4	1-2	<1

Standard Operating Procedure (SOP) : 3.4.3

SOP Published on :14/12/2022 by NAAC

SN	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1.	**3.4.3** **Number of Ph.Ds Awarded per Recognized Guide during the last five years** · How many Ph.D's are awarded within last 5 years · Number of teachers recognized as guides during the last five years	• **PhD Award Letters to PhD Students.** • **Letter** from the university indicating **Name of the PhD** Student with **Title of The doctoral study** and the Name of the **Guide.**	• Ph.D's awarded (**Not-Ongoing**) under every eligible research guide working as faculty in the institution should be considered, during the last five year period. • If the data is large, details of **guide ship letter/award** details for selected faculty will be sought during the **DVV clarification process**	

Research Publications & Awards : 120

Metrics	Metric Description	Weightage
3.4.4 QnM	**Number of Research Papers Published** per **Teacher** in the Journals as notified on **UGC CARE** list during the last five year. 3.4.4.1: Number of research papers published in the journals as notified on UGC CARE list during the last five years. **Upload the specific document as per description given below:** • Institutional data in the prescribed format. (data template) • List and **Links of the Papers** Published in Journals listed in **UGC CARE List.** • Link to the institutional website where the first page/ full paper (with author and affiliation details) is published. • **Link Re- Directing** to **Journal** **Source- Cite Website** in case of Digital Journals. • Provide the **Relevant Information** in **Institutional Website** as part of public. **Apart from the above:** • **Provide Links** for any other relevant document to support the claim. (if any) **Note: The HEI should indicate in the Data Template against Each Paper about the presence of the journal in which the paper is published in the UGC CARE as on date with Care journal ID.**	**20**

Data Template : 3.4.4

Title of Paper0	Name of the Author/s	Dept. of the teacher	Name of journal	Year of Publication	ISSN number	Link to the recognition in UGC enlistment of the journal		

Benchmark : 3.4.4

Metric	Description	4	3	2	1	0
3.4.4 Q_nM	**Number of Research Papers published per teacher in the Journals as notified on UGC website during the last five years (20)**	**>=10**	**7-10**	**4-7**	**1-4**	**<1**

Standard Operating Procedure (SOP) : 3.4.4

SOP Published on :14/12/2022 by NAAC

SN	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1.	**3.4.4** Number of Research Papers Published per Teacher in the **Journals as Notified on UGC Website** during the last five year.	• **List** and **Links** of the **Papers Published** in journals listed in UGC CARE list and Link to the **Institutional Website** where the First Page/ **Full Paper** (with author and affiliation details) is published **Link Re-Directing to Journal Source-cite Website** in case of Digital Journals. **Apart from the above:** Provide Links for any other relevant document to support the claim (if any)	• **Publication** of the authors with **Institution Affiliation** will be considered for assessment years only.	• Incomplete entries will not be considered. • If details given are not complete with the links/screenshot, the respective publication will not be considered.

Research Publications & Awards : 120

Metrics	Metric Description	Weightage
3.4.5 QnM	**Number of Books & Chapters in Edited Volumes** Published Per Teacher **: 5 Yr** 3.4.5.1: Total Number of Books & Chapters in Edited Volumes/ Books Published : 5 Yr **Formula:** **Total Number of Books & Chapters in Edited Volumes, Books Published : 5 Yr** / **2.2 Number of Full Time Teachers** (Without Repeat Count) : 5Yr X 100 **Upload the Specific Document as per Description given below:** • **Institutional Data** in the Prescribed Format. (**Data Template**). • **E-Copy** of the **Cover Page**, **Content Page** and **First Page of the Publication** Indicating **ISBN Number** and year of publication for Books/ Chapters. • **List of Chapter/ Book** with the **Links Redirecting** to the **Source Website.** • **Provide the Relevant Information** in Institutional **Website** as Part of **Public Disclosure**. **Apart from the above:** **Provide Links** for **any other relevant document** to support the claim. (if any)	**10**

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Data Template : 3.4.5

S. N.	Name of the Teacher	Title of the Book/ Chapters Published	Title of the Paper	Title of the Proceedings of the conference	Year of Publication	ISBN No. of the Proceeding	Whether at the time of publication affiliating Institution was same YES/No	Name of the Published

Benchmark : 3.4.5

Metric	Description	4	3	2	1	0
3.4.5 QnM	Number of Books and Chapters in Edited Volumes Published per Teacher during the last five years (10)	>=10	7-10	4-7	1-4	<1

Standard Operating Procedure (SOP) : 3.4.5

SOP Published on :14/12/2022 by NAAC

SN	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1.	**3.4.5 Number of Books and Chapters in Edited Volumes Published per Teacher** during the last five years	**E-Copy** of the **Cover Page**, **Content Page** and **First Page of the Publication** Indicating **ISBN Number** and year of publication for books/chapters **List of Chapter/ Book** with the **Links** Redirecting to the **Source Website.**	• **Books with ISBN Number** only would be considered • The details of Select Publications would be sought during the **DVV Clarification Process**, if the data is large. • **Book's Publication Year** and Publisher Name should be Mentioned	• Publication claimed under **3.4.5 Not to be Included** in this Metric.

Metrics	Metric Description	Weightage
3.4.6 QnM	**E-Content is Developed by Teachers:** 1. For **e-PG - Pathshala** 2. For **CEC** (Undergraduate) 3. For **SWAYAM** 4. For other **MOOCs Platforms** 5. Any other **Government Initiatives** 6. For **Institutional LMS** **Options:** **A. Any 4 or more of the above** B. Any 3 of the above ⎤ C. Any 2 of the above ⎬ **Opt** D. Any 1 of the above ⎬ **Anyone** E. None of the above ⎦ **Upload the Specific Document as per Description Given Below:** • **Institutional Data** in the prescribed format. (Data Template). • Give **Links** to Upload **Document** of **E-Content** Developed **showing** the **Authorship/ Contribution.** • **Supporting Documents** from the **Sponsoring Agency** for the **E-content** developed by the need to be provide. • **For Institution LMS** a summary of the E-Content developed and the links to the E-Content should be provided. • **Provide the Relevant Information** in institutional website as part of public disclosure. **Apart from the above:** **Provide Links** for any other relevant document to support the claim. (if any)	**15**

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Data Template : 3.4.6

1. For e-PG-Pathshala	2. For CEC (Undergraduate)	3. For SWAYAM	4. For Other MOOCs Platforms	5. Any Other Govt. Initiatives	6. For Institutional LMS
Yes/ No	**Yes**/ No	**Yes**/ No	**Yes**/ No	**Yes**/ No	**Yes**/ No
If yes, provide links to the contents					

Benchmark : 3.4.6

Metrics	Description	4	3	2	1	0
3.4.6 QnM	**E-content is developed by teachers : (15)** 1. For **e-PG-Pathshala** 2. For **CEC (Undergraduate)** 3. For **SWAYAM** 4. For other **MOOCs platforms** 5. For **Institutional LMS** 6. Any other **Government Initiatives**	A	B	C	D	E

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Standard Operating Procedure (SOP) : 3.4.6

SOP Published on :14/12/2022 by NAAC

SN	Metric	Documents Needed	Specific Instruction to HEI	Avoid the following while uploading data
1.	**3.4.6** **E-Content is Developed by Teachers:** **E-PG Pathshala CEC** **(Under Graduate)** **SWAYAM Other MOOCs Platform** **Any Other Government Initiative Institutional LMS**	• Give **Links** to Upload Document of **E-Content** developed showing the **Authorship/ Contribution .** • **Supporting Documents** from the sponsoring agency for the **E- Content** developed by the teachers need to be provided. • For **Institution LMS** a Summary of the E-Content Developed and the links to the e-content should be provided	**Only the Content Developed by the Teachers of the Institution will be Considered**	• Informal e-content will not be accepted. **Open Source e-Content** should not be Included

Key Indicator : 3.4

Research Publications & Awards : 120

Metrics	Metric Description	Weightage
3.4.7 QnM	**Bibliometrics** of the Publications during the last five years **Based on Average Citation Index** in **Scopus/ Web of Science.** **Data** to be **Provided** for the last five years: • **Title of the Paper** • **Name of the Author** • **Title of the Journal** • **Year of Publication** • **Citation Index**	**20**

Formula

$$\frac{\text{Total Number of Citations in Scopus in 5 yr} + \text{Total Number of Citation in Web of Science in 5 yr}}{\text{Total Number of Publication in SCOPUS in 5yr} + \text{Total Number of Publication in Web of Science in 5 yr}} \times 100$$

File Description (Upload)

- **Any Additional Information**.
- **Bibliometrics** of the **Publications** during the last five years.
- The **Data Obtained** from **INFLIBNET** will be used for purposes of the **Calculation of Scores**.

Bibliometric of the publications: **Citation Report** for the last five Calendar years Counting backward from **SSR** submission date to be upload.

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Benchmark : 3.4.7

Metric	Description	4	3	2	1	0
3.4.7 Q_nM	**Bibliometrics of the publications** during the last five years based on average **Citation Index** in **Scopus/ Web of Science/ PubMed** **(20)**	>=10	5-10	2-5	0.5-2	<0.5

Standard Operating Procedure (SOP) : 3.4.7

SOP Published on :14/12/2022 by NAAC

SN	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1	**3.4.7** **Bibliometrics** of the **Publications** during the last five years based on average Citation Index in **Scopus/ Web of Science/ PubMed**	• **Bibliometric of the Publications**: **Citation Report** for the last five Calendar years Counting Backward from SSR Submission date to be Uploaded	• The data for this metric will be fetched by **INFLIBNET** directly • The **HEI** can **Seek Clarification** for the data given by **INFLIBNET** through the Portal only.	

Research Publications & Awards : 120

Metrics	Metric Description	Weightage
3.4.8 QnM	**Bibliometrics** of the **Publications** during the last five years based on **Scopus/ Web of Science - H– Index** of the **University**. H-index of the Institution Based on Publications made in **Scopus / Web of Science** during the last five years. Data for the last five years will be Considered • **Title of the paper** • **Name of the author** • **Title of the journal** • **Year of publication** • **H - Index** **Formula:** $$\dfrac{\text{H- Index of Scopus} + \text{H – Index of Web of Science during the last five years.}}{2}$$ **File Description (Upload)** • **Bibliometrics** of Publications based on **Scopus/ Web of Science – H- Index** of the Institution. • **Any Additional information.** ❖ The **Data** obtained from **INFLIBNET** will be used for the Purpose of Calculation of Scores.	**20**

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Benchmark : 3.4.8

Metric	Description	4	3	2	1	0
3.4.8 QnM	Bibliometrics of the Publications during the last five years based on Scopus/ Web of Science / H-Index of the University (20)	>=35	25-35	15-25	5-15	<5

Standard Operating Procedure (SOP) : 3.4.8

SOP Published on :14/12/2022 by NAAC

SN	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1.	3.4.8 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science – H-Index of the University	• Bibiliometrics of Publications Based on Scopus/ Web of Science - H-index of the Institution • Any additional information	• The Data for this metric will be fetched by INFLIBNET Directly • The HEI can seek Clarification for the data given by INFLIBNET through the Portal only.	

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Key Indicator 3.5
Consultancy : 20

Metrics	Metric Description	Weightage
3.5.1 QnM	**Revenue Generated** from **Consultancy** and **Corporate Training** during the last five years. 3.5.1.1: **Total Amount Generated** from **Consultancy** and **Corporate Training** year-wise during the last five years. (INR in Lakhs) <table><tr><td>**Year**</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>**INR in Lakhs**</td><td></td><td></td><td></td><td></td><td></td></tr></table> **Upload the Specific Document as per Description given below:** • **Institutional Data** in the Prescribed Format. (**Data Template**). • **Audits Statement** of Accounts Indicating the **Revenue Generated** through and **Corporate Training** year-wise during the last five years (INR in Lakhs) • **Letter** from the Corporate to whom Training was Imparted along with the Fee Paid. • **CA Certified Copy** of Statement of Accounts as Attested **by Head of the Institution.** • **Letter** from the **beneficiary** of the **consultancy** along with details of the Consultancy Fee. **Apart from the above:** • **Provide Links** for any other relevant document to support the claim. **Note : Corporate training is inclusive of all monetized training.**	**20**

Data Template : 3.5.1

Name of the Faculty Consultant or Trainer	Organization to which Consultancy or Corporate Training Provided	Data/ Duration of Consultancy	Amount Generated in INR

Benchmark : 3.5.1

Metric	Description	4	3	2	1	0
3.5.1 QnM	**Revenue Generated from Consultancy & Corporate Training** during the last five years (INR in Lakhs) **(20)**	**>=200**	150-200	100-150	50-100	<50

Standard Operating Procedure (SOP) : 3.5.1

SOP Published on :14/12/2022 by NAAC

SN	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1.	**3.5.1 Revenue Generated** from **Consultancy** and **Corporate Training .** during the last five years (INR in Lakhs)	• **Audited Statements** of Accounts Indicating the **Revenue Generated** through **Corporate Training/ Consultancy**. • **Letter from the Corporate** where **Training** was **Imparted** along with the **Fee Paid**. • **CA Certified Copy** of statement of accounts as **Attested by Head of the Institution**. • **Letter from the Beneficiary** of the **Consultancy** along with details of the Consultancy Fee.	• Amount generated through consultancy and corporate training will be considered here.	• **Grant Received** for **Research Projects** are not to be Included. • **Consultancy Fee** from any Sister Institution / same Trust will not be Considered. • **Corporate training** is inclusive of all monetized training

Extension Activities : 20

Metrics	Metric Description	Weightage
3.6.1 QIM	**Outcomes of Extension Activities** in the **Neighborhood Community** in **Terms of Impact** and **Sensitizing the Students** to **Social Issues** and **Holistic Development**, and **Awards Received** if any during the last five years. (Showcase at least four case studies to the peer team) **Describe the Impact of Extension Activities** in Sensitizing Students to **Social Issues** and **Holistic Development** with four Case Students within a Maximum of 500 words. **File description:** • **Provide the link** for additional information. • **Upload** any additional information. • Provide the **Relevant Information** in Institutional **Website** as part of Public Disclosure.	**10**

Metrics	Metric Description	Weightage
3.6.2 QnM	**Number of Extension and Outreach Programmes** **Conducted by** the Institution through Organized Forums like **NSS/NCC** with **Involvement of Community** year wise during the last five years. **3.6.2.1:** Number of Extension and Outreach Programms Conducted by the Institution through organized forums including NSS/NCC with involvement of community year wise during the last five years. **Upload the Specific Document as per Description given below:** • **Institutional data** in the prescribed format. (data template). • **Detailed List** and **Report** for Each Extension and Outreach Programmes to be made Available with Specific Mention of number of students participated and details of the collaborating Agency. • **Geo- tagged Photographs** and Any Other **Supporting Document** of Relevance should have Proper Captions and Dates. • Provide the Relevant Information in institutional **Website** as part of Public Disclosure. **Apart from the above:** • **Provide Links** for any other relevant document to support the claim. (if any) **Note: Celebration of commemorative days to be avoided here.**	**10**

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Data Template : 3.6.2

Name of the activity	Organization unit/ agency/ collaborating agency	Year of the activity	No. of students participated in such activities.

Benchmark : 3.6.2

Metric	Description	4	3	2	1	0
3.6.2 QnM	**Number of Extension** and **Outreach Programmes Conducted** by the Institution during the last five years (10)	>=100	80-100	60-80	40-60	<40

Standard Operating Procedure (SOP) : 3.6.2

SOP Published on :14/12/2022 by NAAC

SN	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1.	**3.6.2** **Number of Extension and Outreach Programs Conducted by** the **Institution** during the last five years. **Number of Extension** and Outreach Programs conducted **by the institution** through **NSS/NCC,** Government and Government Recognized bodies during the last five years.	• **Detailed List** and **Report** for **Each Extension** and **Outreach Programme** to be Made Available, with Specific Mention of Number of Students participated and the details of the **Collaborating Agency**	• **Extension Activities:** The **Aspect of Education**, which **Emphasizes Neighborhood** Services. These are Often Integrated with Curricula as Extended Opportunities Intended to help, Serve Reflect and Learn. The **Curriculum- Extension Interface** has Educational Values, Especially	• **Events Conducted** for the Benefit of their own Students not to be Included **Under Outreach Programs**. **Events** and **Activities Organized** within **Campus** Cannot be Considered

Metrics	Metric Description	Weightage
3.7.1 QnM	**Number of Functional MoU's/ Linkage** with **Institutions/ Industries** in **India** and **Abroad** for **Internship**, **On-the Job Training**, **Project Work**, **Student/ Faculty Exchange and Collaboration Research** during the last five years. 3.7.1.1: Number of Functional MoUs with Institutions/ Industries in India and Abroad for Internship, On-the-Job **Training, Project Work, Student/ Faculty Exchange and Collaborative Research** during the last five years. **Upload the Specific Document as per Description given below:** • **Institutional Data** in the Prescribed Format. (Data Template). • **List** and **Copies** of Documents **Indicating the Functions MoUs**/ **Linkage**/ **Collaboration** Activity- Wise and Year Wise. • **Summary** of the **Functional MoUs**/ **Linkage**/ **Collaboration** Indicating Start Date, End Date, Nature of Collaboration etc. • List of **Year Wise Activities** and **Exchange** should be Provided. • Provided the Relevant Information in Institutional **Website** as part of public disclosure. **Apart from the above:** **Provide Links** for any other relevant document to support the claim. (if any) **Note: MoUs/ Linkage without any Evidence of Activity will not be Considered.**	**10**

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Data Template : 3.7.1

Year of signing MoU	Name of the organization with whom MoU/ Collaboration being signed	Duration	Purpose of MoU/ Collaboration	List the actual activities under each MoU year-wise

Benchmark : 3.7.1

Metric	Description	4	3	2	1	0
3.7.1 QnM	Number of Functional MoUs /Linkage with Institutions/ Industries in India and Abroad for Internship, on-the-Job Training, Project Work, Student / Faculty Exchange & Collaborative Research during the last five years (10)	>=40	30-40	10-30	5-10	<5

Standard Operating Procedure (SOP) : 3.7.1

(SOP Published on :14/12/2022 by NAAC)

SN	Metric	Documents Needed	Specific instruction to HEI	Avoid the following while uploading data
1.	**3.7.1 Number of Functional MoUs /Linkage with Institutions/ Industries in India and abroad for Internship,** on-the-Job Training, Project Work, Student / Faculty exchange and collaborative research during the last five years	• **List** and **Copies** of **Documents** Indicating the Functional **MoUs/ Linkage/ Collaboration Activity-Wise** and **Year-Wise.** • **Summary** of the **Functional MoUs/ Linkage/ Collaboration** Indicating Start date, End Date, Nature of Collaboration etc. • **List** of **Year Wise Activities** and **Exchange** Should be Provided	• **Functional MoUs/ Linkage/ Collaboration** to be Valid and within the Assessment Period. • The Functional MoUs/ Linkage/ Collaboration activities for Research and Academic Development of Faculty and Students Facilitated through the Mentioned Functional MoUs/ Linkage/ Collaboration only will be Considered.	• Activities Mentioned Under 3.6.3, 3.7.2 and 3.7.3 not to be included here. • **Collaborations** with the **Sister Institutions** Under the Same Trust are not to be Included.

NAAC Criteria 3
Research Innovations & Extension
Summary of Criteria 3

S.N.	Metrics	Topic	Marks
		Key Indicator- 3.1, Promotion of Research and Facilities (20), Marks : 20	
1	3.1.1 QIM	The Institution's **Research Facilities** are **Frequently Updated** and there are **Well Defined Policy** for **Promotion** of **Research** which is **Uploaded** on the **Institutional Website** & **Implemented**.	**2**
2	3.1.2 QnM	The Institution Provides **Seed Money** to its **Teachers** for **Research** (Average per year).	**3**
3	3.1.3 QnM	Percentage of **Teachers Receiving National/ International Fellowship**/ **Financial Support** by Various Agencies for **Advanced Studies**/ **Research** (Last five years).	**5**
4	3.1.4 QnM	**Percentage** of **JRFs**, **SRFs** among **the Enrolled PhD Scholars** in **Institution** the last five years.	**10**

NAAC for Quality and Excellence in Higher Education

NAAC Criteria 3
Research Innovations & Extension
Summary of Criteria 3

S.N	Metrics	Topic	Marks
Key Indicator- 3.2, Resource Mobilization for Research : Marks : 40			
1	3.2.1 QnM	**Research Funding Received by the Institution and its Faculties** through Government and **Non-Government Sources** such as **Industry, Corporate** house, **International Bodies for Research Project**, Endowment Research Chairs (the last five years).	25
2	3.2.2 QnM	**Number of Research Projects per Teacher Funded** by **Government, Non-Government**, industry, Corporate Houses, International Bodies During the Last five years.	15
Key Indicator – 3.3 Innovation Ecosystem , Marks : 30			
1	3.3.1 QIM	**Institution has Created an Ecosystem for Innovation**, **Indian Knowledge System (IKS)** including **awareness about IPR**, establishment of **IPR Cell, Incubation Centre** and other initiatives for the **Creation and Transfer of Technology/ Knowledge** and the outcomes of the same are Evident.	15
2	3.3.2 Qnm	Number of **awards received** for **research/ innovation** by the institution/ **teachers/ research/ scholars/ students** during the last five years.	5

NAAC Criteria 3
Research Innovations & Extension
Summary of Criteria 3

S.N.	Metrics	Topic	Marks
colspan		**Key Indicators- 3.4, Research Publications & Awards , Marks : 100**	
1	**3.4.1 QnM**	The Institution Ensures Implementation of its Stated Code of Ethics for Research.	5
2	**3.4.2 QnM**	Number of Patents Awarded during the last five years.	15
3	**3.4.3 QnM**	Number of Ph.Ds Awarded per Recognized Guide during the last five years.	15
4	**3.4.4 QnM**	Number of Research Papers Published per Teacher in the Journals as notified on UGC CARE list during the last five year.	20
5	**3.4.5 QnM**	Number of Books and Chapters in Edited Volumes Published Per Teacher (Last Five Years).	10
6	**3.4.6 QnM**	E-Content is Developed by Teachers	15

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NAAC Criteria 3
Research Innovations & Extension
Summary of Criteria 3

S.N.	Metrics	Topic	Marks
7	3.4.7 QnM	**Bibliometrics** of the Publications during the last five years **Based on Average Citation Index** in **Scopus/ Web of Science.**	20
8	3.4.8 QnM	**Bibliometrics** of the **Publications** during the last five years based on **Scopus/ Web** of **Science - H-Index** of the **University.**	20
		Key Indicator – 3.5, Consultancy, Marks : 20	
1	3.5.1 QnM	**Revenue Generated** from **Consultancy** and **Corporate Training** during the last five years.	20
		Key Indicator – 3.6, Extension Activities : 20	
1	3.6.1 QIM	**Outcomes of Extension Activities** in the **Neighborhood Community** in **Terms of Impact** and **Sensitizing the Students** to **Social Issues** and **Holistic Development**, and **Awards Received** if any during the last five years. (Showcase at least four case studies to the peer team)	10

NAAC for Quality and Excellence in Higher Education

NAAC Criteria 3
Research Innovations & Extension
Summary of Criteria 3

S.N.	Metrics	Topic	Marks
1	3.6.2 QnM	**Number of Extension and Outreach Programmes** Conducted **by** the Institution through Organized Forums like **NSS/NCC** with **Involvement of Community** year wise during the last five years.	**10**
		Key Indicator : 3.7, Collaboration : 10	
1	3.7.1 QnM	**Number of Functional MoU's/ Linkage** with **Institutions/ Industries** in **India** and **Abroad** for **Internship**, **On-the Job Training**, **Project Work**, **Student/ Facult y Exchange and Collaboration Research** during the last five years.	**10**