**Criterion III – Research, Innovations and Extension**

**3.1 Promotion of Research and Facilities**

3.1.1   **The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented**

* Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption
* URL of Policy document on promotion of research uploaded on website

3.1.2   **The institution provides seed money to its teachers for research (average per year INR in Lakhs)**

* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* Minutes of the relevant bodies of the University
* Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized
* List of teachers receiving grant and details of grant received (Data Template)

3.1.3   **Percentage of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the last five years**

* Any additional information

|  |  |  |
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| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* e-copies of the award letters of the teachers
* List of teachers and their international fellowship details (Data Templates)

3.1.4   **Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the last five years**

* Any additional information

|  |  |  |
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| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* List of research fellows and their fellowship details (Data Template)

3.1.5   **Institution has the following facilities to support research**

**1. Central Instrumentation Centre**

**2. Animal House/Green House**

**3. Museum**

**4. Media laboratory/Studios**

**5. Business Lab**

**6. Research/Statistical Databases**

**7. Mootcourt**

**8. Theatre**

**9. Art Gallery**

* Paste link of videos and geotagged photographs
* Upload the list of facilities provided by the university and their year of establishment
* Upload any additional information

3.1.6   **Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)**

* Any additional information

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| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* e-version of departmental recognition award letters
* List of departments and award details (Data Template)

**3.2 Resource Mobilization for Research**

3.2.1   **Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the last five years (INR in Lakhs)**

* Any additional information

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| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* e-copies of the grant award letters for research projects sponsored by non-government
* List of project and grant details (Data Template as of 3.1.6)

3.2.2   **Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs)**

* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* e-copies of the grant award letters for research projects sponsored by government
* List of project and grant details (Data Template as of 3.1.6)

3.2.3   **Number of research projects per teacher funded by government and non-government agencies during the last five years**

* List of research projects and funding details (Data Template as of 3.1.6)
* Any additional information

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| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* Supporting document from Funding Agency
* Paste Link for the funding agency website

**3.3 Innovation Ecosystem**

3.3.1   **Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge**

* Upload any additional information
* Paste link for additional information

3.3.2   **Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years**

* Report of the event
* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* List of workshops/seminars during last 5 years (Data Template)

3.3.3   **Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the last five years**

* e- copies of award letters
* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* List of innovation and award details (Data Template)

**3.4 Research Publications and Awards**

3.4.1   **The institution ensures implementation of its stated Code of Ethics for research**

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

3.4.2   **The institution provides incentives to teachers who receive state, national and international recognitions/awards**

1.Commendation and monetary incentive at a University function

2.Commendation and medal at a University function

3. Certificate of honor

4.Announcement in the Newsletter / website

3.4.3   **Number of Patents published/awarded during the last five years**

* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* List of patents and year it was awarded (Data Template)

3.4.4   **Number of Ph.D’s awarded per teacher during the last five years**

* URL to the research page on HEI web site
* List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)
* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

3.4.5   **Number of research papers per teacher in the Journals notified on UGC website during the last five years**

* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* List of research papers by title, author, department, name and year of publication (Data Template)

3.4.6   **Number of books and chapters in edited volumes published per teacher during the last five years**

* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* List books and chapters in edited volumes / books published (Data Template)

3.4.7   **E-content is developed by teachers:**

**1. For e-PG-Pathshala**

**2. For CEC (Under Graduate)**

**3. For SWAYAM**

**4. For other MOOCs platform**

**5. For NPTEL/NMEICT/any other Government Initiatives**

**6. For Institutional LMS**

* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* Give links or upload document of e-content developed
* Details of e-content developed by teachers for e-PG-Pathshala, CEC (UG) (Data Template)

3.4.8   **Bibliometrics of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed**

* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* Bibliometrics of the publications during the last five years

3.4.9   **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

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

**3.5 Consultancy**

3.5.1 **Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy**

* Upload minutes of the Governing Council/ Syndicate/Board of Management related to consultancy policy
* Upload soft copy of the Consultancy Policy
* Upload any additional information
* Paste URL of the consultancy policy document

3.5.2   **Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs)**

* Audited statements of accounts indicating the revenue generated through consultancy
* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
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| 4 | Consolidated sanction list for 2019-20 |  |
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* List of consultants and revenue generated by them (Data Template)

**3.6 Extension Activities**

3.6.1 **Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years**

* Paste link for additional information
* Upload any additional information

3.6.2   **Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the last five years**

* Upload any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
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| 5 | Consolidated sanction list for 2020-21 |  |

* Number of awards for extension activities in last 5 year (Data Template)
* e-copy of the award letters

3.6.3   **Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the last five years ( including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)**

* Reports of the event organized
* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
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| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
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* Number of extension and outreach Programmes conducted with industry, community etc for the last five years (Data Template)

3.6.4   **Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years**

* Report of the event
* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
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| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* Average percentage of students participating in extension activities with Govt. or NGO etc (Data Template as of 3.6.3)

**3.7 Collaboration**

3.7.1   **Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students per year**

* Copies of collaboration
* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
| 3 | Consolidated sanction list for 2018-19 |  |
| 4 | Consolidated sanction list for 2019-20 |  |
| 5 | Consolidated sanction list for 2020-21 |  |

* Number of Collaborative activities for research, faculty etc (Data Template)

3.7.2   **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**

* e-copies of the MoUs with institution/ industry
* Any additional information

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Sample description** | **Relevant link** |
| 1 | Consolidated sanction list for 2016-17 | To be created |
| 2 | Consolidated sanction list for 2017-18 |  |
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