Policy for Research, Innovation and Incubation

1. Policy Statement

Research is one of the key-indicator of the performance of the HEI. Research to generate new knowledge and critic existing is one of the important task HEIs must be doing. To provide more-and-more advanced research infrastructure and other facilities and to encourage and indorse quality research, the research policy is made.

2. Objectives

- To upgrade research facilities meeting demands of the type of research undergoing in the research and provide consultancy services;

- To uplift and promote cutting-edge research based on the proven capabilities and expertise of faculty and students and facilitate strengthening of the HEI's research capabilities;

- To create research culture in true sense for promotion of research activities of societal importance with high TRL and hence potential for commercialization;

- To provide an ethical framework and quality control mechanism for the research work to be done in the HEI;

- To promote students and faculties to apply for major and minor research grants;

- To encourage students for participation in national, international, state, university, and local level conferences, workshops;

- To promote inter-disciplinary collaborative research and establish linkages with institutions and universities in India and outside to secure resources to provide facilities to scholars;

- To strengthen industry-HEI interaction by promoting consultancy, testing and need based research and innovation activities in the HEI;

- To make sure smooth functioning and effective management of research and innovation activities in the HEI;

- To set research incubation centre in instrumental analysis, cell culture and CO_2 extraction etc.

- To track and keep the proofs of all research related activities required for various committees.

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3. Challenges and Opportunities

Some of the challenges the research presently facing are:

- Creating interest in stakeholders of HEI, regarding research;

- Following research ethics;

- Fetching research grants from different funding agencies;

- Performing interdisciplinary research of societal benefits;

- Achieving the technology transfer readiness of developed formulations.

4. Rules and Regulations

Rules and regulations may be varying nation wise as per as copy-right and patent infringements are concerned, researchers need to abide with ethics as follows importantly;

https://www.bera.ac.uk/researchers-resources/publications/ethical-guidelines-for-educational-research-2011

https://publicationethics.org/files/u2/02B_Plagiarism_Published.pdf

5. Roles and Responsibilities

Role of Management:

- Provide state-of-art research facilities to HEIs;

- Encourage the students and faculties for attending national or international level research events and activities by proving the financial support;

- Facilitate HEI for collaborations with the institutes of national or international importance;

- Assist HEIs in the IPR and related activities;

- Coordinate with Head of the HEI on quality improvisation in research, and other related matter.

Role of Head of the HEI:

- Coordinate with the management on quality improvisation in research and other related matter;

- Establish state-of-art research facilities to HEIs;

- Promote students and faculties for participation in research events and activities at different level;

- Encourage students and faculties for fetching different research funding from various agencies like SERB, DBT etc.;
- Assist in national and international collaborations;
- To ensure technology transfer readiness level of research projects.

Role of Research and Development Coordinator:

The research and development coordinator play a key role in the smooth and effective functioning of the research and development cell.

- Develop bridge between Head of the HEI and members of research and development cell;
- Organization of research events and activities alone and in collaborations;
- Provide information on research schemes, workshops, seminars etc.;
- Expand and keep collaborations well functional;
- Organize meetings and keep track records of meetings in well manner.

Faculty of the HEI:

- Co-operate and participate in research events and activities;
- Involve proactively in doing quality research;
- Promote and guide students for participation in research events and activities;
- Ensure the quality of data to be presented through posters/ papers at various conferences, workshops etc.;
- Ensure the well-functioning of research facilities provided in HEIs;
- Taking efforts for improvising ranks in NIRF and other agencies;
- Support coordinator for conducting meeting, making, updating, and maintaining records related to research events and activities.

Role of Students:

- To stuck-up with research ethics;
- To engage in conducting quality research;
- To participate proactively in research events and activities;
- To utilize the research facilities available in HEIs by strictly following SOPs.

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Role of Alumni:

- Provide information on R&D, knowledge and skills required to work there;

- Support in improvising the collaborations with industries for running various consultancy type research projects;

- To make avail training opportunities in R&D to the students;

- Contribute in strengthening and up-gradation of research facilities.

6. **Action Plan: Every year action plan of research and development cell 2022-2023**

- Constitute Research and Development Cell at the beginning of the academic year in consultation with the Head of the HEI;

- Research and development cell meeting in every quarter of the year;

- Execute the decisions taken in the committee meetings;

- Organize various national/ international level research activities alone and in collaborations;

- Increase student and faculty participation in research events and activities;

- Publish research and review articles in collaboration in journals of repute with good impact factor;

- Complete ongoing research projects with quality and outcomes;

- Conduct interdisciplinary research in collaborations;

- Apply for various research schemes;

- Participate in NIRF ranking;

- To suggest and monitor activities of various committees/ units/ cells of the HEI.

7. **Auditing**

It helps to realize the quality of research contribution and performance of students and staff in the research. This audit helps to;

- Ensure the proper utilization of research facilities;

- Confirm the apt utilization of various funds received for conducting research projects;

- Understand the achievements of students and faculty in the publications, conferences, seminars, etc.;

- SWOC of research performance of the HEI;

- Know the additional efforts required to progress in research.

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