

# Research & Research Promotion Policy



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# Research Policy

## Statement of Research Policy

National Education Policy (NEP) 2020 strongly desires promotion of quality research within Domain of Higher Education. Research, innovation and development are important aspects to enhance quality education by the Higher Education Institutions (HEIs). Techno-societal challenges of our country can only be addressed by having a output of higher education committed to fulfilment of industry needs. Special insistence on research, innovation and technology development shall be part of curriculum in higher education. The integration of Research, Innovation and Technology Development is the foundation of Atma-Nirbhar Bharat (Self-reliant India). Coordination and maintenance of standards in teaching and research is statutory responsibility of University. While maintaining certain standards, it is equally important to provide framework of the conducive environment which leads to consistent elevation of those standards. With these expectations DBATU research policy aims at as under.

## Objectives of the Research Policy

- ❖ To provide conducive ecosystem for fostering research culture
- ❖ To provide framework of rules, procedures and guidelines for conducting research activities and promotion of research and development;
- ❖ To establish rational, merit-based, transparent decision-making system for allocation of financial resources and other support systems
- ❖ To motivate faculty members for quality and need-based research
- ❖ To coordinate UG, PG and doctoral level research with industrial needs and main stream areas
- ❖ To provide support for consultancy, collaboration and outreach (Extension) activities to enhance the research culture

- ❖ Identifying and informing researchers about the appropriate research opportunities announced by different academic, research, industry or government organizations
- ❖ Promoting interdisciplinary research and establishing modalities for preparing and undertaking joint research projects covering more than one knowledge domain as well as policies for involving external agencies/experts in such projects

## **Strategic Planning**

In order to achieve the set objectives, it is necessary to identify the activities and action plan to perform the same. Broadly, it need to be accepted that, hunting for opportunities of research and associated grants, submission of quality proposals, readiness to execute the project are key parameters of the process in research. University will make all necessary efforts for:

- 1) Strengthening the institutional capacity for strategic, technical and operational planning, budgeting and control of all research activities of the University
- 2) Creating and administer a research fund for supporting and facilitating research initiatives and projects of faculty members and students
- 3) Developing rules, procedures and guidelines for granting research support, instituting awards, and supporting all other related activities
- 4) Developing rules, procedures and guidelines for granting study leave, sabbatical leave, duty leave, reduction in workload, etc. for faculty members undertaking research activities
- 5) Providing a modality of for proper coordination of all research activities of the University and aligning these to the vision and missions of the University and national development goals.
- 6) Preparing and updating the research agenda of the University outlining the preferred focus areas and priorities of research activities to be supported
- 7) Guide faculty members in the effective integration research projects with the regular curriculum implementation and curriculum enrichment activities
- 8) Identifying and informing researchers about the appropriate research opportunities announced by different academic, research, industry or government organizations

- 9) Promoting interdisciplinary research and establishing modalities for preparing and undertaking joint research projects covering more than one knowledge domain as well as policies for involving external agencies/experts in such projects
- 10) Enabling framework for researchers to obtain sponsorships for research projects and which makes the participating researchers responsible for the successful implementation of the project
- 11) Developing and promoting linkages with the Research Council of the University of Delhi and enable all the researchers of the University to benefit from the activities and programs of the council
- 12) Identifying and establishing linkages including MOU s for long term relationships with national and international research organizations for widening the scope of research opportunities and funding options available to the teachers and students of the University.
- 13) Identifying and establishing linkages including MOU s for long term relationships with industry bodies and individual companies for creating opportunities for teachers and students of the University to involve themselves in real life research projects and obtaining sponsorships
- 14) Encouraging and facilitating the publication of the research work/projects in reputed academic journal
- 15) Encouraging and facilitating the presentation/communication of the research work/projects as well as their findings and recommendations through academic events such as workshops/seminars/guest lectures or the media
- 16) Compiling data on all the research work/projects undertaken by the teachers and students in to a database for easy monitoring and analysis of the progress being made by them from year to year
- 17) Providing mechanism to ensure that academic staff attain the desired mix of teaching, research and consultancy outputs so as to achieve the level stated in the University mission;
- 18) Adopting research code, which informs all researchers about the ethical and legal norms and principles to be followed in the conduct of research
- 19) Preparing and implementing research quality assurance mechanism for ensuring that all research activities of the University conform to standard quality specifications

- 20) Developing and administering rules and procedures to ensure the compliance of all researchers to the research quality assurance framework, the research code and all the applicable rules and regulations.

### **Research Misconduct**

Research misconduct is defined as any fabrication, falsification or plagiarism in proposing, performing or reviewing research or in the reporting results of research. Research misconduct does not include an honest error or difference of opinion, authorship dispute that do not involve plagiarism, and violations of other policies. The University believes that the occurrence of misconduct is a threat to the basic principles of research. The University shall put in place a mechanism for taking action on all allegations of misconduct, and shall ensure that the procedures for the inquiry, investigation and adjudication of any misconduct are well defined and just for all parties involved.

### **Research and Development Cell**

**Extent and Applicability:** This shall apply to all the researchers and to all the research related activities of the University. The term 'researchers' are defined to include:

- a) All staff, permanent, probationary and Adjunct, who are active in teaching, research, administration, and provision of any form of support to the core functions of University;
- b) All students registered with the University;
- c) All mentors, guides, external experts, and sponsors associated with any of the research activities of the University;
- d) All academic and administrative departments of the University.

Research activities shall be mentored, monitored and administered by Research and Development Cell (RDC) of the University. Organizational structure of RDC comprising of various committees for specified functions shall be as under

- 1) Vice Chancellor as Chairman
- 2) Dean (R&D) as Convenor
- 3) Chairman of Committee for Finance and Infrastructure as member
- 4) Chairman of Committee for Research Program and Policy Development as member
- 5) Chairman of Committee for Collaboration and Community as member

- 6) Chairman of Committee for Product Development monitoring and Commercialization as member
- 7) Chairman of Committee for IPR, Legal and Ethical Matters as member
- 8) CEO of Incubation Center as member
- 9) University Faculties holding charge of research project sponsored by DST, AICTE, UGC, CSIR, ICSSR or such organizations as members (max. 05)

Dean (R &D) shall propose formation of committees as in (3) to (7) above for approval by Vice Chancellor

### **Components of R & D**

Research at DBATU shall be carried out under 3 major components: (i) University sponsored research, (ii) Research programs, and (iii) Externally funded projects.

- 1) **University Sponsored research:** University promotes the research at individual faculty level or group of faculty at the department or inter-department research. University seeks to strengthen research and innovation activities by motivating faculty members and students who may not get external funding in the beginning of their research career. The Seed money scheme and grants offered by the University will enable an early start of research work until sponsored projects from outside agencies are secured by the faculty. The details of these are provided under initiations to promote research.
- 2) **Research programs:** The University schools/departments / Research Centers can offer research programs. There can be multiple areas of research pertaining to the disciplines based on the faculty expertise available in the department. These centers will also focus on offering of formal PG and PhD Programs with due concurrence of University Rules. They will also contribute towards imparting research experience for UG students via programs like Research Experience for Undergraduates (REU).
- 3) **External Funded projects:** University promotes faculty to explore funding sources by DST, AICTE, UGC, CSIR or such organizations or industry sponsored projects.

Projects of GoI such as Research in Janjati areas, research for tribal development require blending of social science with technology and problem-solving approach. University will encourage participation in such projects.

## **Challenges in grooming R & D Culture**

As an affiliating State Technological University, DBATU need to groom proper R&D culture in its affiliated institutes. Many institutes do not have mandatory research goals for individual faculty, and most do not have adequate systems or infrastructure to support quality research. The lack of an encouraging academic environment, ill-equipped libraries, inadequate labs and equipment, poor infrastructure, lack of funds, faculty crunch, etc. are some of the factors contributing to the depressing picture of research in a typical Indian academic institution. Research initiatives are necessary to address following challenges:

- 1) Lack of Synergy in research initiative
- 2) Lack of visibility and ability to attract funding
- 3) Lack of experience to handle funded projects
- 4) No tradition of research and attitude for development
- 5) Inadequate support facilities
- 6) No reward for research

Interaction among world-class universities entails international student mobility, faculty exchanges, research, and teaching programs that require a globally competent academic labor force.

In order to address above, it is necessary to implement steps for promotion of research through a policy and a synchronized action plan.

## **Research Promotion Policy**

Research promotion policy of university aims to foster and sustain excellence an leadership in Research and Innovation. Faculty, students and grooming researchers need to be encouraged to break new ground in research and achieve first of a kind impact in technological applications / designs / formulation of new public policies / institutional capabilities. Students will be encouraged to learn about the world through hands on practical problem-solving projects in collaboration with fellow student in other department and with our faculty as supervisors / mentors. Faculty and students shall be encouraged to involve in interdisciplinary / multi-disciplinary / translational research in finding scientific and technological solutions to ground challenges.

University desires to build strong and robust research and innovation ecosystem through definite objectives as under.

- 1) To nurture an environment of undertaking socially useful and / or industry needed research with potential for commercialization.
- 2) To establish Research centers within University with potential for excellence.
- 3) To forge interdisciplinary collaborations and partnerships nationally and globally.
- 4) To motivate faculty members for publication of quality research work with ethics and integrity.
- 5) To continuously monitor the research outputs for anticipated deliverables
- 6) To design an excellent research environment and infrastructure which helps effective integration of teaching and research,
- 7) To foster inter, multi and transdisciplinary research.
- 8) To publish papers in journals of international repute, file patents and transfer technologies to relevant industries
- 9) To foster socially relevant research aligned to human values and scholarship
- 10) To network with larger community; viz. industries, universities, and other institutions of higher learning.

### **Incentives**

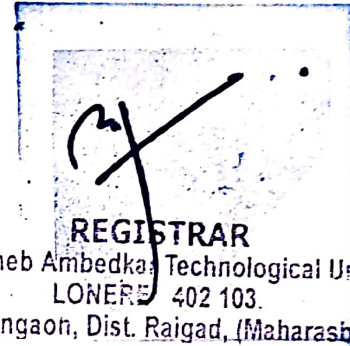
In order to achieve the objectives as above, it is necessary to provide appropriate incentives to well performing faculty members, research scholars and students. Broadly the incentives are provided in following form.

- 1) Providing generous seed funding to establish research facilities and laboratories
- 2) Providing international travel grant to faculty and students to enable them to participate and present papers in International Conferences providing large funding in the selected emerging technologies to group of active faculty members
- 3) Provide funding for start-ups to students and faculty members
- 4) To incentivize the generation of intellectual capital,
- 5) To recognize researchers on their research achievements by a research award.
- 6) To encourage the faculty members for creating, protecting and leveraging Intellectual Property Rights.



- 7) Annual Best Teacher Award in each faculty shall be awarded according to parameters judged by committee constituted by the Research Board. The award shall include a certificate and a cash prize as rewarded by the committee and approved by the Research Board.
- 8) Incentives for Research projects, publications and research related activities. Research Paper / Article published in any SCI/SCOPUS Indexed journal need particular appreciation.
- 9) Financial Support for Participation in Seminar, Conference, Workshop, FDP, Journal Publications which include support for registration, travel, accommodation and food if not provided by organizers.

  
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