

RESEARCH & DEVELOPMENT CELL (RDC)

Darrang College, Tezpur, Assam



The Research and Development (R&D) Cell of Darrang College, Tezpur is one of the endeavours to promote the quality of education and research among the faculty members and students. The College has a Research Committee to nurture research culture by promoting research in newly emerging and challenging frontier areas of Science, Social science, Commerce and to create awareness and opportunities in Research & Development among the faculties and Students. It enables an amiable atmosphere for scientific development and monitors the research activities of the college. The R&D Cell aims to achieve the Vision and Mission of the college and developing a scientific temper. The publication statistics, citations and obtaining patents are priorities of the cell. It undertakes various initiatives such as promoting faculty members for writing proposals to government and agencies for projects, conducting skill development programme for students based on innovation and building inter-disciplinary research activities.

Vision

To put in place a robust mechanism for developing and strengthening the research ecosystem within HEIs, aligned with the provisions of NEP-2020.

Mission

- To create a conducive environment for enhanced research productivity.
- To encourage collaboration across industry, government, community- based organizations, and agencies at the local, national, and international levels.
- To facilitate greater access to research through mobilization of resources and funding.

Objectives

- To create an organizational structure with role-based functions of RDC, formulate Research Policy for the HEIs, identify thrust areas of research, and form related cluster groups/ frontline teams/consortia of researchers.
- To create enabling provisions in Research Policies for recruitment of research personnel, procurement of equipment, and financial management with adequate autonomy to the Principal Investigator(s) and disseminate research outcomes to stakeholders and the public at large.
- To establish a special purpose vehicle to promote researchers and innovators, identify potential collaborators from industry, research organizations, academic institutions & other stakeholders for cooperation and synergistic partnerships.
- To act as a liaison between researchers & relevant research funding agencies, extend guidance in preparation & submission of project proposals and post-sanctioning of the grants to oversee adherence to timelines.
- To have better coordination among other cells/centers dealing with University- Industry Inter Linkage, Incubation, Innovation and Entrepreneurship Development and Intellectual Property Rights (IPR).
- To develop an Institutional Research Information System for sharing the status of ongoing/ completed research projects/Programmes, expertise & resources, etc., making effective use of Information & Communication Technology (ICT) for preparing the database of in-house experts to provide industrial consultancy and services.
- To engage & utilize the services of superannuated active faculty/scientists in research capacity building of talented young minds and promote mobility of researchers across institutions and R&D Labs.
- To serve as nodal center for ideation and conceptualization of research topics/themes by organizing workshops and training programs and ensuring the integrity and ethical practices in research activities including clearance of bioethical committee wherever required.

Research and Development Cell (RDC)

Darrang College, Tezpur, Assam

Patron: Dr. Khageswar Barkakaty, President, Governing Body

Chairperson: Dr. Palash Moni Saikia, Principal, Darrang College

Convenor: Dr. Chittaranjan Baruah, Department of Zoology

Research Advisory Council (RAC) Members:

- **Prof. Ashim Jyoti Thakur**, Department of Chemical Science, Tezpur University
- **Dr Akan Das**, MD & CEO, AGT Biosciences Pvt. Ltd. Guwahati

Committee 1:	Committee 2:	Committee 3:	Committee 4:	Committee 5:
Finance and Infrastructure	Research Programs, Policy Development	Collaboration and Community	Product Development, Monitoring and Commercialization	IPR and Ethical Matters
Coordinator: Dr. Dipanjan Chakraborty Members: Dr. Sweta Mahanta Sadhana Deka Dr. Arpita Sharma Nath Dr. Pallabika sarmah Alpana Baruah	Coordinator: Dr. Rabindra Hazarika Members: Dr. Barsha Borgohain Dr. Himaxee Bordoloi Dr. Laba Handique Dr. Swapna Sikha Das Dr Kashmiri Neog	Coordinator: Manashjyoti Patgiri Members: Binita Das Khanindra Kr. Kalita Dr. Kishor Deka Dr. Gulap Sonowal	Coordinator: Dr. Abhijit Das Co-Coordinator: Dr. Manash Protim Hazarika Members: Rajashree Bordoloi Dr. Barnali Das Deka Dr. Saiful islam Bidyut Das Dr. Sanjib Das	Coordinator: Dr. Kangkan Deka Co-coordinator (IPR): Dr. Jnandabhiram Chutia IPR Members: Mr. Amardeep Pegu Mrs. Manisha Baishya Dr. Renusmita U. Talukdar Co-coordinator (Ethical Matters): Dr. Nabanita Medhi Ethical Matters Members: Dr. Manika Das Katak Dr. Pinky Gogoi Dr. Juli Bairagi

ROLE ASSIGNMENT:

Governance: Research advisory committee (RAC) looks after the composition of Committees and overall governance of the RDC

- Convenor RDC will head various committees for establishing an effective and robust research governance
- To assure smooth functioning of different committees which ensures functional autonomy, transparency, accountability, adaptability by strengthening interlinkages to create a conducive research environment

Committee 1: Finance and Infrastructure

- Finance
- Create a CORPUS for research and development
- CSR funds for sustenance of research activities
- Liasoning with funding agencies
- Seed fund
- Creating organizational Funding for publications and patenting

Committee 2: Research Programs, Policy Development

- Research promotion and guidance
- Organizing capacity-building programs: Research methodologies and techniques based workshops/FDPs, Research internships, Research Thrust and Clustered areas
- Establishing center of excellence, research clusters, regional research consortia, research incentives and recognition
- To devise policies for identifying incentives for faculty involved in research
- To organize/conduct refresher courses, workshops. trainings/internships, group discussions, seminars/conferences
- Research Monitoring
- SWOC analysis/Internal evaluation of research papers and suggest Scopus indexed/WoS or UGC-CARE listed journals
- Research labs to fulfill good laboratory practices (GLP) and safety (Bio and chemical) measures

Committee 3: Collaboration and Community

- Research Ecosystem/Collaboration
- To develop a connection with RDCs of established HEIs
- To establish collaborations, partnerships and combined ventures with clustering institutions
- Creating a hub for strategic partnerships/collaboration

Committee 4: Product Development, Monitoring and Commercialization

- Administration: Close contact with Ministry innovation cell to make use of innovative plans to facilitate researchers
- Information management system: Put in place RIMs (Research Information management system), a platform for accessing information, human capital, physical capital, knowledge capital, IPRs, consultancy
- Create a Blog/Portal
- Sign MOU with Inflibnet, UGC to access and upload information through Shodh Ganga, Shodh Gangotri, Shodh Sindhu, Shodh Shuddhi and Shodh Chakra
- Technology Development and Business-centered facility
- Industry-institute interface
- Venture capital
- Trade/market portfolio
- Commercialization of research to facilitate innovation, incubation, entrepreneurship and start-up ventures

Committee 5: IPR and Ethical Matters

- IPR and patent services
- Integrity and ethics
- Mandatory implementation of standard plagiarism check
- Requisite software to be made available by the organization to faculty and students




Principal
Darrang College
Tezpur, Assam