

ABOUT THE CELL

INTRODUCTION

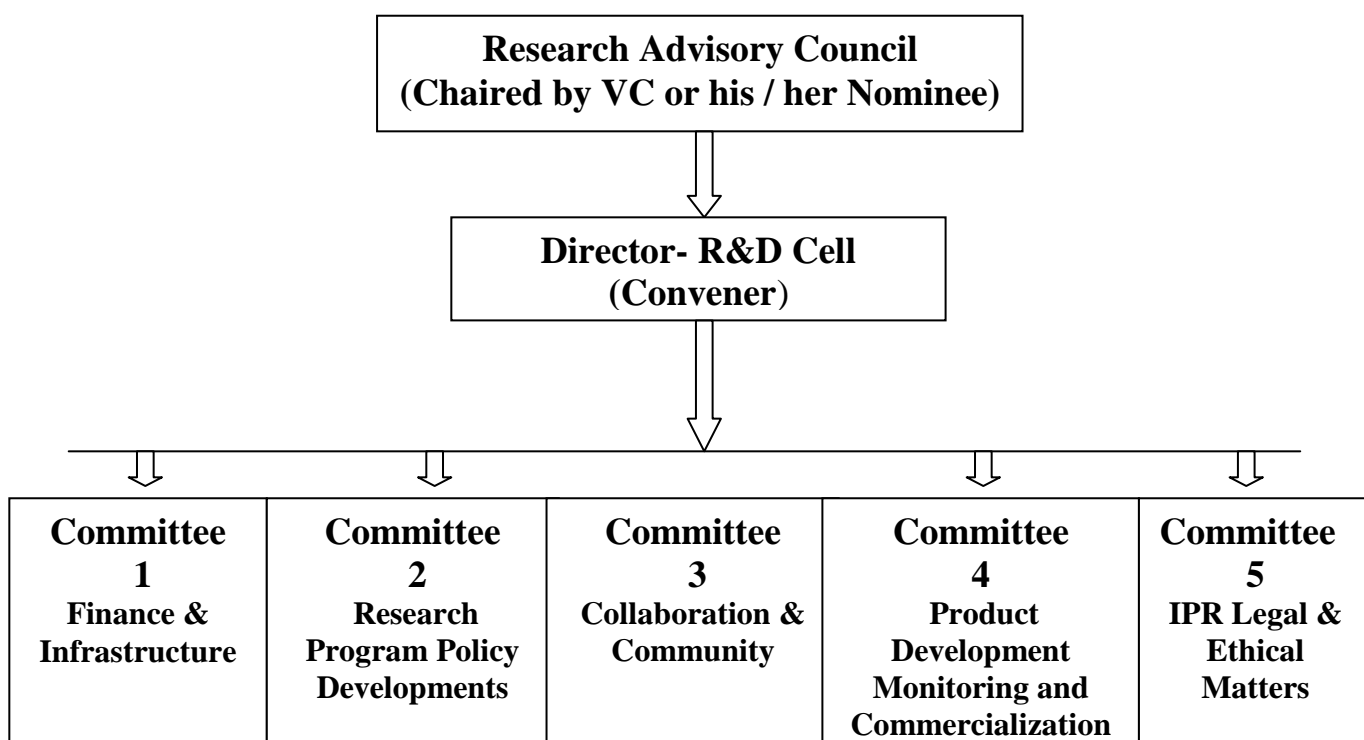
Uttar Pradesh Rajarshi Tandon Open University, Prayagraj was established by the U. P. State Govt. as a State Open University on November 02, 1998. UPRTOU has brought the higher education within the reach of a large segment of population, and caters to the needs of thousands of aspirants of higher education. The motto of the UPRTOU is “reaching to the unreached”, and it aspires to achieve it as early as possible. Thus, the programmes of the University fulfill the educational, research and training needs of a wide segment of population from the professionally qualified to the general public, from corporate executives to unemployed youths, and from businessmen to homemakers. For organizing its various academic activities, the university has established the following nine schools of studies:

- School of Humanities
- School of Social Sciences
- School of Sciences
- School of Education
- School of Management Studies
- School of Health Sciences
- School of Computer & Information Science
- School of Vocational Studies
- School of Agricultural Sciences

The National Education Policy (NEP) 2020 envisages the promotion of quality research within the Higher Education system. Research and innovation are important aspects to enhance quality education by the Higher Education Institutions (HEIs). Societal challenges of our country can only be addressed by having a strong and vibrant higher education ecosystem with an emphasis on research, innovation, and technology development. The integration of Research, Innovation and Technology Development is the foundation of Atma-Nirbhar Bharat (Self-reliant India). The establishment of Research and Development Cell (RDC) in UPRTOU will enable attainment of targets of Atma-Nirbhar Bharat and is expected to play a pivotal role in catalyzing multidisciplinary / transdisciplinary and translational research culture mandated in NEP 2020.

ABOUT RESEARCH AND DEVELOPMENT CELL

As per University First Statues-2002 Chapter IX 9.01 and the First Ordinances-2002 Chapter XV the University was decided to launch Research Programmes in the University under Research Programmes Ordinances & Guidelines-2006. To management and coordination of research programmes the University has been established Research Development and Coordination Cell in the University with Officer In-charge. However the nomenclature of Officer In-Charge has been changed to Director, Research and Development Cell. To implement the U.G.C. Gazette Notification date 11 July 2009 the University postponed new admission in Ph.D. & M.Phil. Programme from the session 2009-10. After receiving the permission letter of U.G.C. dated 15 February 2017, No. F.2-1/2017 (DEB-III) the University revised their Ph.D. Ordinances and Guidelines according to U.G.C. Gazette Notification 05th July 2016 & Nov. 2022 and restarted Ph.D. Programme in Regular Mode from 2020. To monitor and smooth functioning of the research activities in UPRTOU, the University re-structured the Research Development and Coordination Cell to Research and Development (R&D) Cell as follows:-



THE VISION

To put in place a robust mechanism for developing and strengthening the research ecosystem within the University, aligned with the goals of Nation and **Vision** of the University.

THE MISSION

Aligned with the goals of Nation and **mission** of the University:

- 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

1. To prepare guidelines for Research in UPRTOU.
2. To create an organizational structure with role-based functions of RDC of UPRTOU, formulate Research Policy for the University, identify thrust areas of research, and form related cluster groups/ frontline teams/consortia of researchers.
3. 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.
4. 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.
5. 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.

6. To have better coordination among other cells/centers dealing with University-Industry Inter Linkage, Incubation, Innovation and Entrepreneurship Development and Intellectual Property Rights (IPR).
7. 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.
8. 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.
9. 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.

FUNCTIONS

The RDC would help creating a research ecosystem for reliable, impactful, and sustained research output. The essential elements of such an ecosystem, viz., generation of knowledge and facilitation of research, innovation and technology development for industrial & societal benefits, are addressed by human resource (researcher & faculty), intellectual capital (knowledge & skills), governance (regulation & policies) and financial resources (funding & grants). The Functions of the cell are as follows:

- To develop an efficient governance mechanism.
- To facilitate planning, implementation, and monitoring of research activities in the University.
- To formulate rules, regulations, and policy frameworks for utilization of facilities and resources at the University.
- To facilitate networking and collaborative research with other national and international institutions working in inter-disciplinary, trans-disciplinary, and multi disciplinary research areas.

- To create a blog or portal for Institutional Research Information and Institutional Repository and sign an MoU with UGC- INFLIBNET to access and upload the research information through Shodh Ganga, Shodh Gangotri, Shodh Sindhu, Shodh Shuddhi, and Shodh Chakra.
- To ensure smooth conduct of the research activities in the University and help to build a resilient research ecosystem.
- To encourage faculties to conceive ideas through enhanced industry-academia interactions and prepare research proposals for funding from various agencies.
- To organize events like capacity- building programs (Research Methodology and Research Techniques) and specific research theme-based workshops and Research Internships.
- To provide an avenue for community talent with prior learning/expertise to engage in research and innovation activities of the University.
- To develop Research Clusters and/or Regional Research Consortia to bring all researchers, faculty, students, scholars, and Post-Doctoral Fellows for joint high value (interdisciplinary and trans-disciplinary) research projects to avail national and international funding opportunities.
- To develop a policy focusing on identifying specific intensives for research faculty and develop a unique Research Career ladder for strengthening the mission "Research".
- To develop a hub for strategic partnerships/ collaborations, industry-institute interface, sponsored or contract research, new knowledge generation, IPR, and patent services, venture capital, trade/market portfolio, technology transfer, and commercialization of research to facilitate innovation, incubation, entrepreneurship and start-up ventures.
- To facilitate resource mobilization and create a Corpus for research and development for sustenance and furtherance of research activities.
- To develop and implemented a standard plagiarism check mechanism.
- To monitor and oversee research progress, coordinate program, manage and facilitate optimizing resources, timely review of research activities for completion of the projects as per schedule.