Research Policy

Introduction:

Research and innovation are the pillars of quality education. The National Education Policy 2020 states that quality education builds on quality research in the institutes of higher education. Only a dynamic education setup encompassing active teaching, extensive learning, research, innovation and technology development can answer the social challenges to realize the dream of a self-reliant India. The present policy aims to enhance the research culture at Wilson College (Autonomous) Mumbai. Our core strategies are to tackle the challenges of the 21st century in areas that are important for the technological advances, human health, and the environment through extensive core and multidisciplinary research. Our institute has been making consistent efforts to line up its research activities with the national importance for achieving technological self-reliance.

Composition of Research and Development Cell.

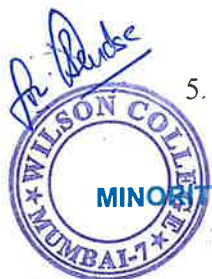Research and Development Committee will have the following composition

- Chairperson: Principal
- Convenor: Nominated by the principal, will head various Sub committees to drive the governance.
- Teachers (5-7) – Members (from each specialized area)
- Industry/Academia representative (1-2) - Members
- Two Ph. D. student representatives - Members

  The number of research committee members may be expanded with the inclusion of more members if necessary.

Scope of the Research Policy

This policy is applicable to all the *researchers working in the Wilson College* and for the purpose of this policy are defined to include

1. All staff, temporary and management approved for general and professional courses.
2. All students pursuing their Ph.D. and M. Phil under the guidance of faculty of the Institute.
3. All Students engaged in research activities either for fulfilling the requirements of academic degrees or for solving problems.
4. The work undertaken which may add new information, science or expand the knowledge boundaries by analysis, synthesis and interpretation of ideas and information by making use of rigorous methodologies
5. Activities involving the generation of new ideas, innovations including design in any field of science which leads to the development of new knowledge.

Vision and Mission

Vision: The College is to become a leading center for innovative and collaborative research through knowledge and scientific discoveries aligned with the provisions of NEP-2020.

Mission:
- To create a conducive environment for enhanced research productivity.
- To foster relevant research in scientific, humanities and commerce disciplines and to excel in research and creative activities that develops knowledge and contributes to the socio-economic growth of the region.
- To encourage collaboration across industry, government, community- based organizations, and agencies at the local, national, and international levels.
- To provides the resources, infrastructure, leadership and training to promote quality research by adhering to the highest ethical responsibility, integrity and professional best practices in all aspects of research.

Aim of the Research Policy:

The ultimate aim of Research Policy is to ensure smooth functioning and effective management of R & D through **Institutional Research Policy** by providing conducive research environment to all the stakeholders of the institute to achieve excellence in research.

Objectives of the Research Policy

- To coordinate all research activities of the college by aligning them with the vision and missions of the institute and national development goals.

- To adopt a research code, which informs all researchers about the ethical and legal norms and principles to be followed in the conduct of research

- 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 strengthen the institutional research activities by generating **Research Corpus Fund** for supporting and facilitating research initiatives and projects of stakeholders.

- To establish research centers in various areas of research and modernize them to conduct research to fulfill the industrial needs which may eventually result in innovative products, processes and opens a new era of entrepreneurship for the young generation.

- To develop rules, procedures and guidelines for granting research support, instituting awards, and supporting all other related activities.

- To appoint part-time Research Advisors working in national or international laboratories for availing their expert views to enhance the quality of research.

- To develop rules, procedures and guidelines for granting study leave, sabbatical leave, duty leave etc. for faculty members undertaking research activities.

- To strengthen collaborative activities through Memorandum of Understanding (MOU) with academic institutes, industries, GOs and NGOs to share expertise through R & D projects, consultancy services and extension activities.
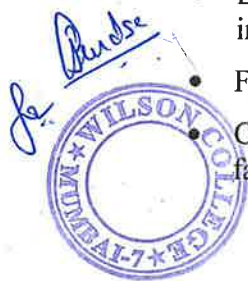
- To establish better co-ordination among university-industry inter linkage, Incubation, innovation and entrepreneurship development and Intellectual Property Right (IPR).

- To encourage and facilitate the publication of the research work/projects in reputed academic journals.

- To encourage and facilitate the presentation/communication of the research work/projects as well as their findings and recommendations through academic events such as conferences/workshops/seminars/guest lecturers etc.

- To create awareness about filing Patents & IPR.

- To encourage Core Competence and Consultancy work.

Research Policy Implementation Mechanism

The Research and Development Committee of the college shall be responsible for implementing this research policy of the Institute by working closely with the Institutional management. The specific roles and functions of the research committee will be as follows

- Facilitate the faculty in undertaking research and will work with the Institutional management to generate a **Research Corpus Fund** for providing seed money to **researchers working in the Institute.**

- Provide research facilities in terms of laboratory equipment, research journals and research incentives etc. required by the faculty.

- All the **researchers working in the Institute** can avail the departmental and research laboratory equipment with prior permission of head/Incharge of respective department/laboratory.

- Instrumental facilities available in the Common Facility Centre (CFC) will be made available to all the stakeholders as per the terms and conditions given by CFC in-charge.

- Hands-on training is compulsory for sophisticated instruments in the Common Facility Centre (CFC).

- Prior entry in the log book for all the instruments in the CFC and research laboratories is mandatory to ensure smooth functioning and maintenance of instruments.

- The sanctioning of sabbatical leave (for attending conferences/seminars/workshop etc.) will be under the jurisdiction of Head of the Institution/ Dean, Research and Development/ Head of Department.

- To organizing conferences, workshops, seminars, training program, Avishkar, Science day and other research oriented events. institution to promote a research culture on campus.

- To make provisions for outsourcing of the research facilities and expertise of the institute to industry and in turn encourage industry to sponsor research projects.

- Promote the stakeholders to register IPR.

- Develop and implement an official Code of Ethics to check malpractices and plagiarism in research.

- Facilitate multidisciplinary research projects.

- Create and maintain a database of research work and research projects undertaken by the faculty and students as well as collect data by metrics such as Citation Index, Impact Factor,

h-index, SNIP, SJR, etc.

- Publicize the research expertise and consultancy capabilities available in the institute.
- To keep everyone informed about announcements by various funding agencies like DST, DAE, DRDO, ISRO, CSIR, AICTE, UGC and University etc
- To support in development of research proposals from the university teachers for the external funding.
- To promote quality publications and patents of the researchers of the university departments through incentives and prizes.
- To mobilize the resources of the university departments and to develop corpus/seed funds from various funding agencies.
- To arrange brainstorming sessions through talks by eminent personalities from industry, R& D organizations and institutions of repute for the better understanding of research methodology and practices currently followed.
- Wilson college conducts sensitization seminars, awareness programmes every semester on responsible conduct of research, project work, assignment, thesis, dissertation, promotion of academic integrity and ethics in education for students, faculty and other members of academic staff.

Consultancy Strategy:
- The expertise of the faculties will be used to generate revenue through consultancy.
- To promote Consultancy Activities in the Institute, the revenue generated under the consultancies will be shared as 40% share of consultant, 40% share of the Department and 20% share of the Institute.

Seed Money Projects:

- Seed Money will be provided to the *researchers working in the Institute* through a call for proposals which will be followed by scrutiny procedure consisting of presentation and interview of applicant by an Experts Panel.
- The sanctioned amount will be disbursed in two installments.
- The second installment will be released only after submission of progress report of first installment.
- In case, PI is transferred or terminated from his duties of the institute, the ongoing project will be terminated or transferred to Co-PI/another colleague of the department with approval of the Head of the department and members of the research committee.
- It is mandatory for all PI's to acknowledge the Institute/CFC facility in the emerging publications.
- The faculty members who received seed money projects will not be eligible for the financial assistance for the emerging publications based on the seed money project.
- The final audited statement of Expenditure and Utilization Certificate must be submitted in proper format and project completion report must be duly taken from the accounts section.

Meeting: The R&DC will meet at least four times per year.