



RESEARCH & DEVELOPMENT (R&D) POLICY

RESEARCH & DEVELOPMENT CELL MOTHERHOOD UNIVERSITY

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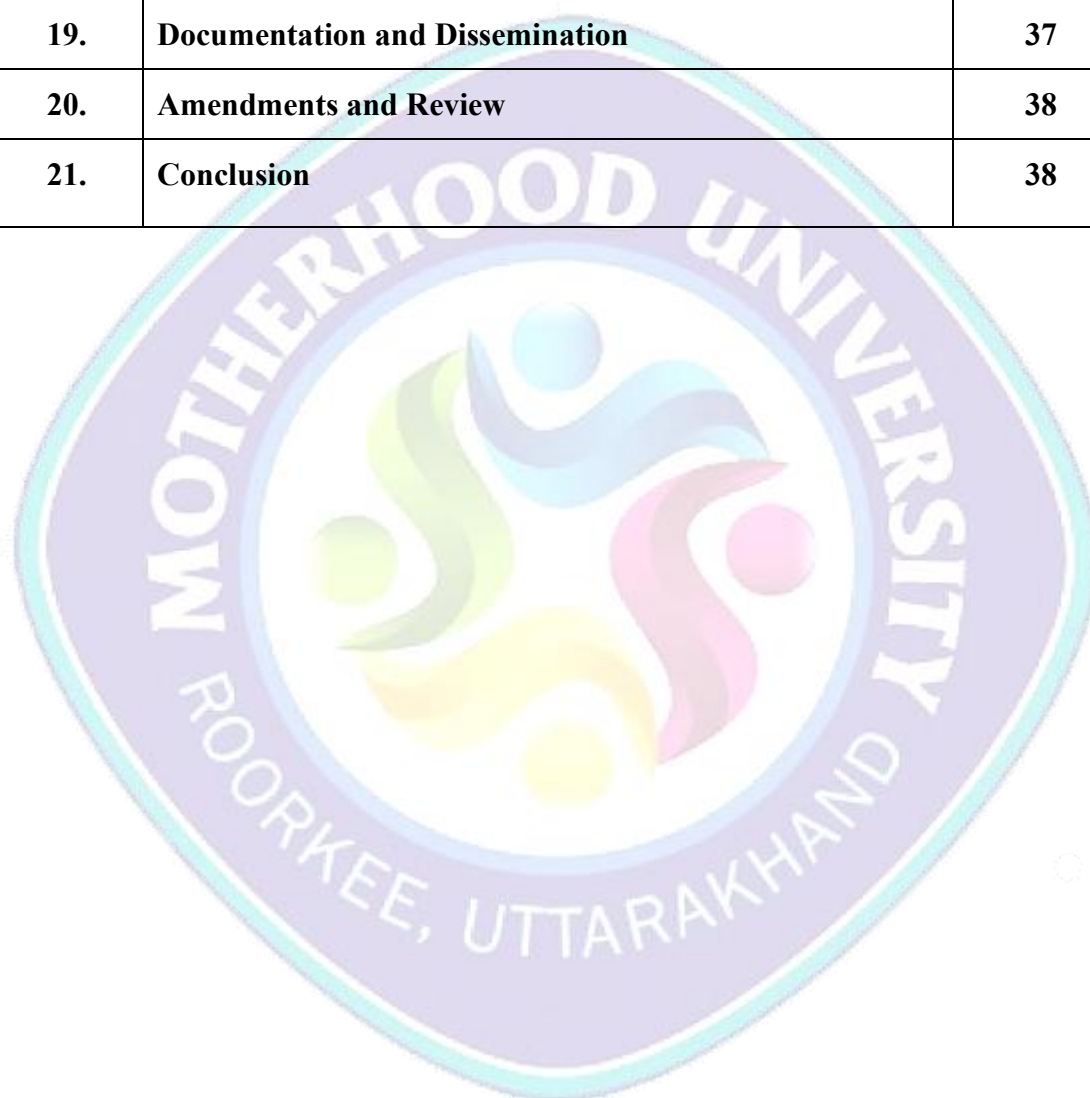
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1. PREAMBLE

Research and Development (R&D) is a cornerstone of academic excellence, innovation, and societal advancement. In the contemporary knowledge-driven economy, higher education institutions play a crucial role in generating new knowledge, addressing emerging challenges, and contributing to sustainable development. Motherhood University, Roorkee, recognizes the importance of integrating research with teaching and extension activities to create a holistic academic environment.

The Motherhood University is committed to fostering a robust and inclusive research ecosystem that encourages creativity, critical thinking and interdisciplinary collaboration among faculty, researchers, and students. It aims to promote not only the creation of new knowledge but also its effective dissemination and practical application for the benefit of society and industry.

This policy establishes a structured framework to promote high-quality research, ensure adherence to ethical standards, incentivize scholarly output, strengthen industry-academia linkages, and enhance the overall research visibility and impact of the University at national and international levels.

2. VISION

To emerge as a center of excellence in research and innovation through the promotion of high-quality, ethical, and socially relevant research. The Motherhood University envisions fostering a vibrant research culture that encourages creativity, interdisciplinary collaboration, and the generation of impactful knowledge. It aims to contribute to national and global development by addressing contemporary challenges and producing research outcomes that are academically significant and socially beneficial.

3. MISSION

1. ***To create a conducive environment for research and innovation:*** The University shall provide necessary infrastructure, funding support, and academic freedom to encourage a vibrant research culture.
2. ***To promote interdisciplinary and industry-oriented research:*** Efforts will be made to foster collaboration across disciplines and strengthen linkages with industry for practical and impactful research.

3. **To incentivize research productivity:** Appropriate financial and non-financial incentives shall be provided to motivate faculty and researchers to enhance research output.
4. **To disseminate research outcomes effectively:** The University shall ensure wide dissemination of research through publications, conferences, and digital platforms for greater visibility and impact.

4. CHARACTERISTICS OF THE R&D CELL POLICY

The R&D Cell Policy of the University is characterized by the following key features:

1. **Inclusiveness:** The R & D Cell policy promotes active participation of faculty members, research scholars, and students from all disciplines, ensuring equal opportunities for engagement in research activities across the University.
2. **Interdisciplinary Orientation:** The R & D Cell policy encourages collaboration among different departments and academic domains to address complex research problems through integrated and multidisciplinary approaches.
3. **Innovation-driven:** The R & D Cell policy emphasizes creativity and original thinking by supporting innovative ideas, start-ups, prototypes, and patent-oriented research leading to practical applications.
4. **Ethical Foundation:** The R & D Cell policy ensures strict adherence to ethical standards, including integrity in data collection, analysis, publication practices, and compliance with institutional and national research guidelines.
5. **Outcome-Oriented:** Focus is placed on achieving measurable research outputs such as quality publications, patents, funded projects, and contributions that have tangible societal and academic impact.
6. **Industry Linkages:** The R & D Cell policy promotes collaboration with industries, government bodies, and organizations to facilitate applied research, consultancy, internships, and knowledge transfer.

5. OBJECTIVES OF THE R&D CELL POLICY

5.1 General Objectives

1. To build a strong and supportive research ecosystem / environment by providing adequate infrastructure, institutional support, funding opportunities, and collaborative platforms for researchers within the University.
2. To emphasize on increasing both the number (quantity) and standard (quality) of research publications through encouragement of high-quality, peer-reviewed, and indexed journal contributions.
3. To promote innovative thinking and support research activities that lead to the creation of intellectual property such as patents, copyrights, and technology-based solutions.

5.2 Specific Objectives

1. To encourage Faculty and Researchers to secure research grants by applying to recognized funding bodies, with institutional support for proposal development and submission.
2. To motivate the Researchers to publish in reputed, high-impact journals to improve the visibility, credibility, and ranking of the University.
3. To support research leading to patents, prototypes, and commercialization by facilitating the development of innovative outputs and provide assistance for patent filing, prototype development, and commercialization of research findings.
4. To provide opportunities for student research and innovation by encouraging students to participate in research projects, competitions, and innovation activities to develop research aptitude and practical skills.
5. To establish setting up specialized research centers and advanced laboratories to support domain-specific and interdisciplinary research initiatives.

6. IMPORTANCE OF R&D CELL POLICY

The R&D cell Policy plays a vital role in the overall growth and development of the University in the following ways:

1. A strong research framework contributes to high-quality publications, patents, and funded projects, thereby improving the institution's credibility, rankings, and

recognition at national and international levels by enhancing academic reputation of the University.

2. The integration of research with teaching enables faculty to incorporate latest findings and practical insights into the classroom, enriching the learning experience of students. Hence it supports evidence-based teaching and learning.
3. The policy encourages research that addresses real-world issues, leading to practical solutions that benefit society, industry, and the local community. In this way it facilitates problem-solving for societal and industrial challenges
4. The policy promotes partnerships with industries and organizations, the policy helps in bridging the gap between theoretical knowledge and practical application, fostering innovation and employability by strengthening industry-academia collaboration.
5. The policy aligns with national priorities by supporting research, start-ups, and innovation-driven activities that contribute to economic growth and self-reliance. In this way the policy contributes to national initiatives such as innovation and entrepreneurship development.

7. SCOPE OF THE R&D CELL POLICY

The R&D cell Policy applies to the following stakeholders and activities within the University:

1. The policy covers all individuals engaged in research, including teaching faculty, doctoral and postgraduate scholars, and students involved in research projects, innovation activities, and academic publications.
2. It is applicable to every academic department, specialized research center, and any affiliated or constituent units of the University to ensure uniform implementation of research practices and standards.
3. The policy encompasses a wide range of research activities, from theoretical and fundamental studies to applied, interdisciplinary, and collaborative projects supported by industry or external agencies.
4. It also includes consultancy assignments, innovation-driven initiatives, start-up incubation activities, and extension programs aimed at community engagement and knowledge transfer.

8. POWERS AND FUNCTIONS OF THE DEAN RESEARCH AND INNOVATION

Subject to provisions of the Statutes and control of the Vice-Chancellor, the Dean Research & Innovation shall have the following powers and duties, namely:

1. To be the Chairman of the Research and Project Committee of the University.
2. To coordinate research activities conducted in the University and its Faculties, Campuses and Departments.
3. To liaise with various Government and Non-Government, National and International agencies for research opportunities, grants and consultancies, to prepare and submit the necessary proposals and carry out the required follow-ups.
4. To make efforts for getting the grants sanctioned for running the different projects (minor and major) and to ensure the submission of utilization certificates to the funding agencies
5. To deal with the matters of consultancy in collaboration with outside departments/agencies
6. To ensure that research tie-ups and collaborations with various Governmental & Non-Governmental, National & International agencies, Educational institutions and Research Organisations are established and maintained
7. To monitor the progress of research activities and consultancy projects, to carry out overall coordination and to ensure that decisions are implemented
8. To prepare periodic progress reports of research activities and submit the same to the appropriate Authorities of the University

9. CONSTITUENTS OF R&D CELL POLICY FRAMEWORK

9.1 Research & Development Cell (RDC)

1. The RDC functions as the nodal agency of the University to coordinate all research-related initiatives, formulate policies, and ensure effective execution and periodic review of research activities. In this way RDC is a central body responsible for planning, implementation, and monitoring research activities.
2. The RDC provides guidance and support to faculty and researchers in identifying funding opportunities, preparing project proposals, and establishing collaborations with academic institutions, industries, and funding agencies. In this way RDC facilitates funding proposals and collaborations.

3. The RDC shall be responsible for implementing and monitoring the institutional research incentive scheme, including evaluation of research outputs, verification of claims, and disbursement of incentives in a transparent and timely manner. It shall also periodically review and update incentive criteria in alignment with institutional goals. In this way RDC administers the research incentive system.

9.2 Institutional Ethics Committee (IEC)

The Institutional Ethics Committee (IEC) is responsible for reviewing and approving research proposals involving human participants to ensure strict adherence to established ethical standards and guidelines. It safeguards the rights, dignity, privacy, and safety of participants, and ensures humane treatment of human beings used in research. The committee also monitors ongoing research for compliance and addresses any ethical concerns or violations.

9.3 Institutional Animal Ethics Committee (IAEC)

The Institutional Animal Ethics Committee (IAEC) is a regulatory body constituted to ensure the ethical care, use, and welfare of animals in research, teaching, testing, and experimentation. The committee reviews and monitors all activities involving animals to ensure that unnecessary pain, suffering, or cruelty is avoided and that experiments are conducted only when absolutely essential. It works in accordance with national laws and ethical guidelines, promoting humane treatment, proper housing, veterinary care, and the principle of the 3R's - Replacement, Reduction, and Refinement - in animal experimentation.

9.4 Intellectual Property Rights (IPR) Cell

Intellectual Property Rights (IPR) Cell promotes awareness and facilitates patent filing and protection. The IPR Cell actively promotes awareness among faculty and researchers regarding the importance of intellectual property rights through workshops and training programs. It provides guidance and administrative support for filing patents, copyrights, and trademarks, and assists in documentation, legal procedures, and protection of intellectual assets. The cell also facilitates the management and commercialization of research outputs.

9.5 Innovation & Incubation (I & I) Cell

Innovation & Incubation Cell Encourages start-ups, entrepreneurship, and commercialization of research. The Innovation & Incubation Cell fosters an entrepreneurial ecosystem within the University by supporting innovative ideas and start-up initiatives. It provides mentorship, incubation facilities, technical guidance, and networking opportunities to help researchers and students transform their ideas into viable products and services. The cell also facilitates linkages with industry, investors, and funding agencies for commercialization.

10. RESEARCH & DEVELOPMENT CELL

10.1 INTRODUCTION

The Research and Development Cell shall be responsible for overall development of Research Activities in the University. The primary objective of the R&D Cell is to create a vibrant research environment by encouraging faculty members, research scholars, and students to undertake innovative, interdisciplinary, and socially relevant research. It aims to support research proposal development, project funding, patent filing, publication in quality journals, consultancy services, industry-academia collaborations, intellectual property management, and dissemination of research outcomes.

10.2 CONSTITUTION OF RESEARCH & DEVELOPMENT (R&D) CELL

The University shall constitute a Research & Development Cell (R&D) Committee to oversee, guide, and monitor all research-related activities in alignment with institutional objectives and national priorities. This structured constitution ensures effective governance, coordination, and continuous enhancement of research activities within the University.

10.2.1 Composition of the Committee

The R&D Cell shall consist of the following members:

- 1. Chairperson:** Vice-Chancellor
- 2. Members:**
 - Deans/ Principals of various faculties
 - Head/Coordinator of IPR Cell

- Coordinator of Innovation & Incubation Cell, if any
- Head of Start-up and Entrepreneurial Cell, if any
- One Teacher with an established research background from each Faculty be nominated by the Vice- Chancellor for a period of 02 years
- Two external experts nominated by the Vice- Chancellor for a period of 02 years.

3. Member Secretary: Dean (Research & Innovation)

10.2.2. Tenure of the Committee

The tenure of the nominated R&D Cell Committee members shall normally be two, subject to renewal or reconstitution by the University authorities.

10.2.3. Roles and Responsibilities

The R&D Cell shall perform the following functions:

1. To Formulate and review research policies, guidelines, and strategies.
2. To Promote a research culture and encourage interdisciplinary research.
3. To Review and approve research proposals and monitor their progress.
4. To Facilitate funding opportunities and collaborations with external agencies.
5. To Oversee implementation of the research incentive system.
6. To Ensure adherence to research ethics, quality standards, and regulatory requirements.
7. To Recommend measures for improving research output and impact.
8. To Monitor publications, patents, consultancy, and innovation activities.
9. To Guide the organization of conferences, seminars, and workshops.
10. To Supervise documentation and publication of research directories and reports.

10.2.4. Meetings of the Committee

The R&D Cell shall meet at least twice in a year or as required. Special meetings may be convened to address urgent research matters. Minutes of the meetings shall be recorded and maintained for reference and compliance.

10.2.5. Quorum

The quorum for the meeting shall be Two Fifth of the total members, including the Chairperson.

10.2.6. Reporting Mechanism

The R & D Cell shall report its recommendations and activities to the Academic Council / Board of Management for approval and implementation.

10.3. KEY POWERS AND FUNCTIONS OF THE R&D CELL

Subject to control of the Academic Council and provisions of the Statutes, the Research and Innovation Committee shall have the following powers and functions, namely:

1. To exercise general supervision over the research work conducted within the University;
2. To consider all matters related to research on its own initiative or when referred by various Colleges / Institutions / School of the University;
3. To promote Inter-Faculty and Inter-Departmental research in the University;
4. To frame and implement guidelines for conducting and monitoring research including, but not limited to the followings:
 - (a). Ethical conduct of laboratory, animal and clinical research;
 - (b). Procedure for submission and funding of research proposals;
 - (c). Reporting progress of research projects;
 - (d). Dissemination of research findings through publications and presentations;
 - (e). Submission of research budget to the Finance Committee;
 - (f). Monitoring of research expenditures;
 - (g). Documentation of all research activities of the University.
5. To undertake annual review of the research activities of Departments, Faculties, Academic Units and Campuses of the University; and
6. To facilitate collaborative and multi-disciplinary research in conjunction with National, International, Governmental & Non-Governmental Institutions, Universities, Organizations and Agencies.

10.4 KEY ACTIVITIES UNDER R&D CELL

10.4.1 Research Promotion

1. The University shall regularly organize academic events such as seminars, workshops, conferences, and Faculty Development Programmes (FDPs) to enhance research skills, promote knowledge exchange, and keep faculty and students updated with emerging trends.
2. Financial support in the form of seed grants shall be provided to encourage faculty and researchers to initiate innovative and exploratory research projects, particularly in emerging and interdisciplinary areas.

10.4.2 Publication Support

1. The University shall offer incentives to motivate researchers to publish in high-quality, indexed journals, thereby improving research visibility and academic reputation.
2. Support shall be provided in terms of guidance, training, and editorial assistance to help researchers prepare quality manuscripts and navigate the publication process effectively.

10.4.3 Sponsored Research

1. Faculty members shall be encouraged to actively seek research funding by agencies such as DST, UGC, ICSSR, UCOST, IKS etc. by submitting proposals to national and international agencies.
2. The University shall provide administrative and technical support by assisting in proposal development, budgeting, documentation, and compliance requirements to facilitate successful acquisition and execution of funded projects.

10.4.4 Research Funding and Support

1. The University shall provide internal financial support in the form of seed grants to encourage faculty members and students to initiate research projects, especially innovative and exploratory studies.
2. Financial and administrative assistance shall be extended to researchers for participation in national and international conferences, workshops, and seminars to present their research and gain academic exposure.

3. The University shall financially support researchers by bearing or subsidizing expenses related to patent filing, copyright registration, and publication charges in reputed journals.
4. Adequate research infrastructure, including well-equipped laboratories, licensed software, and access to academic databases and e-resources, shall be provided to facilitate high-quality research activities.

10.4.5 Consultancy Services

1. Faculty expertise shall be utilized to provide expert consultancy services addressing practical problems faced by industries and government organizations.
2. A structured system shall be followed for sharing consultancy revenues generated from consultancy projects between the University and the concerned faculty members, ensuring transparency and motivation.

10.4.6 Collaboration

1. The University shall establish formal collaborations through Memoranda of Understanding (MoUs) with reputed academic and research institutions to promote joint research and academic exchange.
2. Strong linkages with industries shall be developed to undertake collaborative research projects, internships, and innovation-driven initiatives, ensuring practical relevance and applicability of research.

10.4.7 Conferences, Seminars & Workshops

1. The University shall actively promote academic engagement by organizing conferences, seminars, and workshops on contemporary and emerging research areas. Each department shall organize at least one national or international conference annually to provide a platform for researchers, academicians, and industry experts to share knowledge and discuss emerging trends. Conference proceedings and selected papers shall be published with ISBN/ISSN to ensure academic recognition and wider dissemination. Participation of eminent academicians, industry professionals, and researchers shall be encouraged to enrich discussions and knowledge exchange.

2. The University shall conduct Faculty Development Programmes (FDPs), seminars, and workshops at regular intervals to enhance research skills, teaching effectiveness, and professional development of faculty and students.

These events shall be coordinated by the R&D Cell in collaboration with departments and external partners. Such initiatives will strengthen networking opportunities, foster interdisciplinary collaboration, and enhance the overall academic visibility and reputation of the University.

10.4.8 Publication of Journal

The University shall establish a structured mechanism for publishing high-quality academic journals under the supervision of the Research & Development Cell. Each journal shall have an editorial board comprising experienced academicians and subject experts to ensure quality, originality, and relevance of published research.

The University shall promote the publication of its own peer-reviewed research journals at departmental and multidisciplinary levels to encourage scholarly contributions. Journals shall be published periodically (bi-annual/quarterly) in print or digital or both print and digital formats to ensure regular dissemination of research work. All institutional journals shall obtain ISSN numbers and efforts shall be made to get them indexed in recognized databases to enhance visibility and credibility.

A rigorous peer-review process shall be followed to maintain academic standards and integrity. Faculty members, research scholars, and external contributors shall be encouraged to submit their research work for publication.

The journals shall cover diverse disciplines and promote interdisciplinary research, providing a platform for dissemination of innovative ideas and findings. Digital versions of the journals shall be made available on the University website for wider accessibility.

This initiative will enhance the research profile of the University, improve academic visibility, and contribute to knowledge sharing at national and international levels.

10.4.9 Research Incentive Policy

The University shall implement a structured and transparent incentive system linking rewards to quality indicators such as journal indexing, impact factor, citation

metrics, and the significance of research contributions. The incentive framework will ensure fairness, consistency, and alignment with institutional research goals.

The University shall provide financial incentives to faculty and researchers for publishing in reputed, peer-reviewed journals indexed in recognized databases, with higher rewards for high-impact and indexed publications.

Incentives shall be offered for filing and granting patents, as well as for successfully securing funded research projects from national and international agencies, thereby encouraging innovation and external funding.

Faculty members contributing to academic books, edited volumes, and book chapters with reputed publishers shall be recognized and rewarded to promote scholarly writing.

Incentives shall not be limited to financial rewards but will also include certificates of appreciation, awards, reduced teaching workload, and recognition during institutional events. This multi-dimensional approach aims to motivate sustained research engagement.

Special emphasis shall be placed on:

- ✓ Young and early-career researchers, by providing additional encouragement and support mechanisms.
- ✓ Interdisciplinary and collaborative research, by offering enhanced incentives for joint publications and projects.

Overall, the policy seeks to create a motivating environment that promotes excellence, innovation, and continuous improvement in research productivity.

11. INSTITUTIONAL ETHICS COMMITTEE (IEC)

11.1 INTRODUCTION

In pursuance of the mandate to promote ethical standards in research and academic excellence, the University hereby constitutes an Institutional Ethics Committee (IEC). The IEC shall function as an independent, competent, and multidisciplinary body responsible for reviewing and overseeing all research involving human participants, biological materials, and sensitive data.

The Committee IEC shall ensure that research activities undertaken within the University conform to the ethical principles outlined by the University Grants Commission and the Indian Council of Medical Research, along with internationally accepted norms such as Good Clinical Practice (GCP).

The IEC shall uphold the principles of respect for persons, beneficence, non-maleficence, and justice, thereby safeguarding the dignity, rights, safety, and well-being of research participants.

11.2. OBJECTIVES OF THE IEC

The Institutional Ethics Committee shall be guided by the following objectives:

1. To ensure the protection of rights, safety, and well-being of all human participants involved in research.
2. To review research proposals for ethical soundness, scientific validity, and regulatory compliance.
3. To ensure that all research adheres to national ethical guidelines and institutional policies.
4. To promote ethical awareness and responsible conduct of research among faculty, scholars, and students.
5. To oversee the process of obtaining free, prior, and informed consent from participants.
6. To provide an institutional framework for addressing ethical issues and conflicts in research.
7. To monitor ongoing studies for compliance, safety, and ethical conduct.

11.3. SCOPE AND JURISDICTION OF THE IEC

The Institutional Ethics Committee (IEC) shall review and monitor all research activities conducted under the aegis of the University. This includes research involving human participants across clinical, social, behavioral, and survey-based domains, ensuring that such studies adhere to established ethical standards and safeguard participant welfare.

The Committee shall also extend its jurisdiction to studies involving biological samples, personal data, or any form of sensitive information, with particular emphasis on maintaining confidentiality, privacy, and ethical data handling practices.

Further, the IEC shall oversee both funded and non-funded research projects, including postgraduate dissertations, doctoral theses, and sponsored studies undertaken within the University, ensuring that all such academic and research activities comply with ethical and regulatory norms.

In addition, the Committee shall review collaborative research projects involving external agencies, institutions, or organizations, with the objective of ensuring that ethical standards are uniformly maintained across all participating entities.

11.4. FUNCTIONS OF THE IEC

11.4.1 Ethical Review

The IEC shall undertake a comprehensive review of all research proposals prior to their commencement, ensuring that the proposed studies meet the required ethical and scientific standards.

It shall evaluate the risk-benefit ratio, research methodology, and criteria for participant selection in order to ensure that potential risks are minimized and justified in relation to the anticipated benefits.

Based on its assessment, the Committee shall have the authority to approve, recommend modifications to, or reject research proposals on ethical grounds.

11.4.2 Monitoring and Compliance

The Committee shall conduct periodic reviews of ongoing research projects to ensure continued compliance with approved protocols and ethical guidelines.

It shall monitor adverse events, protocol deviations, and any instances of ethical violations, taking appropriate measures to address such issues in a timely manner.

The IEC shall ensure that all research activities strictly adhere to the approved protocols and established ethical norms throughout the duration of the study.

11.4.3 Informed Consent Oversight

The IEC shall review informed consent documents to ensure that they are clear, comprehensive, and transparent, enabling participants to make informed decisions regarding their involvement in research.

It shall ensure that participation in research is entirely voluntary and free from any form of coercion, undue influence, or misrepresentation.

11.4.4 Confidentiality and Data Protection

The Committee shall ensure that all participant data is handled with strict confidentiality and in accordance with established privacy safeguards.

It shall assess the adequacy of data storage, sharing, and dissemination practices to ensure that sensitive information is protected against unauthorized access or misuse.

11.4.5 Capacity Building and Awareness

The IEC shall organize training programmes, workshops, and seminars aimed at enhancing awareness and understanding of research ethics among faculty members, researchers, and students.

It shall also disseminate updated ethical guidelines, regulatory requirements, and best practices to promote a culture of responsible and ethical research within the University.

11.4.6 Documentation and Reporting

The Committee shall maintain comprehensive and systematic records of all research submissions, review proceedings, decisions, and communications to ensure transparency and accountability.

It shall submit periodic reports on its activities and decisions to the appropriate University authorities, as required, to facilitate effective governance and oversight of research ethics.

11.5. COMPOSITION OF THE IEC

The IEC shall be constituted to ensure independence, competence, and diversity. The composition shall broadly include:

1. **Chairperson** - A distinguished individual from outside the University to ensure independence and impartiality.
2. **Member Secretary** - A senior faculty member of the University responsible for coordination and administration.
3. **Members (7–15 in number), including:**
 - One or two Basic Medical Scientists / Subject Experts
 - One or two Clinicians (where applicable)
 - One Legal Expert / Retired Judge / Advocate
 - One Social Scientist / Ethicist
 - One Philosopher / Theologian (optional)
 - One Lay Person / Community Representative
 - One NGO Representative (optional)
 - Faculty members from relevant disciplines

The composition of the Institutional Ethics Committee (IEC) shall be structured to ensure inclusivity, diversity, and balanced representation. It shall include adequate representation of both scientific and non-scientific members so as to facilitate comprehensive and unbiased ethical deliberations. The composition shall also ensure inclusion of members of both genders, thereby promoting gender equity and diverse perspectives in decision-making. Further, all members shall be required to formally declare any conflict of interest, if present, in order to maintain transparency, objectivity, and integrity in the functioning of the Committee.

11.6. TENURE AND MEMBERSHIP

The tenure and membership of the IEC shall be governed by institutional norms, wherein members shall ordinarily hold office for a period of three years, which may be extended based on requirements and as per University regulations. Members may be re-nominated on the basis of their performance, expertise, and continued relevance to the Committee's functions. The University shall retain the authority to reconstitute the IEC, either partially or fully, as deemed necessary to ensure its effective functioning and alignment with evolving regulatory and institutional requirements.

11.7. MEETINGS AND QUORUM

The Institutional Ethics Committee (IEC) shall convene meetings periodically, ordinarily at least once every quarter or more frequently as necessitated by the volume and urgency of research proposals. A valid quorum for such meetings shall comprise the Chairperson (or a duly nominated representative), the Member Secretary, at least one non-scientific member, and at least one external member to ensure independence and balanced deliberation. The decisions of the Committee shall be arrived at through consensus; however, in cases where consensus is not feasible, decisions shall be determined by a majority vote of the members present and participating in the meeting.

11.8 ETHICAL PRINCIPLES

All decisions of the Institutional Ethics Committee (IEC) shall be guided by fundamental ethical principles that ensure the protection and dignity of research participants. The principle of autonomy shall be upheld by respecting the rights of individuals to make informed and voluntary decisions regarding their participation in research. The principle of beneficence shall require that research activities aim to maximize potential benefits to participants and society. The principle of non-maleficence shall ensure that risks are minimized and that no unnecessary harm is caused to participants. Further, the principle of justice shall be observed to guarantee fairness, equity, and impartiality in the selection and treatment of participants, thereby preventing exploitation or discrimination.

11.9 POWERS AND AUTHORITY

The Institutional Ethics Committee shall be vested with adequate powers and authority to effectively regulate and oversee research activities within the University. It shall have the authority to approve, reject, or recommend necessary modifications in research proposals based on ethical considerations. In cases of non-compliance or ethical violations, the Committee shall be empowered to suspend or terminate ongoing research. It may also seek clarifications, progress reports, and compliance-related documents from investigators to ensure adherence to approved protocols. Additionally, the IEC shall have the authority to recommend appropriate disciplinary action in instances of serious misconduct or breach of ethical standards.

11.10 IMPORTANCE AND INSTITUTIONAL RELEVANCE

The establishment of the Institutional Ethics Committee reinforces the University's commitment to maintaining the highest standards of academic integrity and ethical research practices. It ensures that all research activities are conducted in compliance with national regulatory frameworks and established ethical guidelines. By promoting transparency, accountability, and responsible conduct, the IEC enhances the credibility of the institution and fosters public trust in its research outputs. The Committee thus plays a pivotal role in strengthening the overall research ecosystem of the University.

The Institutional Ethics Committee serves as a vital institutional mechanism for ensuring that all research conducted within the University adheres to the highest ethical standards and principles. By fostering a culture of responsibility, integrity, and respect for human dignity, the IEC not only safeguards the interests of research participants but also contributes significantly to the advancement of knowledge in a socially responsible and ethically sound manner.

12. INSTITUTIONAL ANIMAL ETHICS COMMITTEE (IAEC)

12.1 INTRODUCTION

The Institutional Animal Ethics Committee is a statutory committee constituted in educational and research institutions to ensure the ethical care, handling, and use of laboratory animals in research and experimentation. The committee functions under the guidelines of the Committee for Controlling and Supervision of Experiments on Animals (CCSEA), Ministry of Fisheries, Animal Husbandry and Dairying, Government of India.

The motto of the Prevention of Cruelty to Animals (PCA) Act, 1960, as amended in 1982, is to prevent infliction of unnecessary pain or suffering on animals. The Central Government, as enumerated under the PCA Act 1960, has constituted the Committee for Controlling and Supervision of Experiments on Animals (CCSEA), which is duty bound to take all such measures as may be necessary to ensure that animals are not subjected to unnecessary pain or suffering before, during or after the performance of experiments on them. For this purpose, the Government has made "Breeding of and Experiments on Animals (Control and Supervision) Rules, 1998" as amended during 2001 and 2006, to regulate the experimentation on animals.

The IAEC generally consists of scientists, veterinarians, researchers, socially aware members, and CCSEA nominees to maintain transparency and accountability in animal-based research. The committee oversees the procurement, housing, feeding, care, transportation, and disposal of laboratory animals in accordance with prescribed ethical and legal standards. It also conducts periodic inspections of animal house facilities and ensures compliance with CCSEA norms.

12.2 OBJECTIVES OF THE IAEC

IAEC has been designed to secure the following objectives:

1. Every experiment shall be performed by or under the supervision of a person duly qualified in that behalf, that is, Degree holders in Veterinary Science or Medicine or Laboratory Animal Science of a University or an Institution recognised by the Government for the purpose and under the responsibility of the person performing the experiment.
2. That experiments are performed with due care and humanity and as far as possible experiments involving operations are performed under the influence of some anaesthetic of sufficient power to prevent the animals from feeling pain.
3. That animals who, in the course of experiments under the influence of anaesthetics, are so injured that their recovery would involve serious suffering, are ordinarily medically allowed to death while still under influence of anaesthetic.
4. That experiments on animals are avoided wherever it is possible to do so.
5. That experiments on larger animals are avoided when it is possible to achieve the same results by experiments on small laboratory animals like guinea-pigs, rabbits, mice, rats etc.
6. That, as far as possible, experiments are not performed merely for the purpose of acquiring manual skill.
7. That animals intended for the performance of experiments are properly looked after before, during and after experiments.
8. That suitable records are maintained with respect to experiments performed on animals.

12.3 FUNCTIONS OF THE IAEC

As defined in “Breeding of and Experiments on Animals (Control and Supervision) Rules, 1998”:

“Institutional Animal Ethics Committee (IAEC)” means a body comprising of a group of persons recognized and registered by the Committee for the purpose of control and supervision of experiments on animals performed in an establishment which is constituted and operated in accordance with procedures specified for the purpose by the Committee.

The primary duty of IAEC is to work for achievement of the objectives as mentioned above. IAEC should focus mainly on ensuring ethical and methodical handling of animals during and after experiments, so that they have less suffering.

IAEC will review and approve all types of protocols for research involving small animal experimentation before the start of the study. For approval of experimentation on large animals, the case is required to be forwarded to CCSEA in prescribed manner with recommendation of IAEC.

IAEC is required to monitor the research throughout the study and after completion of study. IAEC shall obtain the periodic reports on research development and shall ensure visit to animal house facility and laboratory where the experiments are conducted. The committee has to ensure compliance with all regulatory requirements, applicable rules, guidelines and laws.

12.4. COMPOSITION OF IAEC

Institutional Animal Ethics Committee shall include eight members as follows:

A. IAEC members from the establishment (05 members)

1. One biological scientist
2. Two scientists from different biological disciplines
3. One veterinarian involved in the care of animals
4. One scientist in charge of animal facility of the establishment concerned

The Chairperson of the Committee and Member Secretary would be nominated by the establishment from amongst the above five members. However, if the establishment wants to propose its administrative head, who is from non-scientific background, as Chairperson, then six members of IAEC may be proposed.

Having a Veterinarian in IAEC is mandatory for judging level of care and handling of laboratory animals in a given protocol.

B. Nominees from CCSEA

1. Main Nominee (01)
2. Link Nominee*
3. Scientist from outside the Institute (01)
4. Socially Aware Nominee (01)

Link Nominee shall substitute the Main Nominee in case Main Nominee conveys his unavailability in writing to the Chairperson of the IAEC in advance as per described procedure.

12.4.1 The minimum qualification for the IAEC Members is as below

1. B.V.Sc. or
2. M.Sc. (Zoology / Animal Sciences / Animal Biotechnology), or
3. M.Sc. / M.Tech. (Life Sciences, Biological Sciences, Biochemistry, Biotechnology / Biomedical Engineering) with experience in animal handling and animal research, or
4. M. Pharm. with experience in animal handling and animal research, or
5. MD/MS with research experience in laboratory animal handling.

12.4.2 The qualification for Nominee(s) of CCSEA is as under**I. The minimum qualification for Nominee should be**

1. B.V.Sc. or
2. M.Sc. (Zoology / Animal Sciences / Animal Biotechnology), or
3. M.Sc. / M.Tech. (Life Sciences, Biological Sciences, Biochemistry, Biotechnology / Biomedical Engineering) with experience in animal handling and animal research, or
4. M. Pharm. with experience in animal handling and animal research, or
5. MD/MS with research experience in laboratory animal handling.

II. The minimum qualification for Socially Aware nominee should be at least Graduate from any subject. Preference will be given to those with a background in Biological Sciences.

12.4.3 Upper age limit for the Nominees of CCSEA

The upper age limit for the Nominees of CCSEA is 65 years. However, the nominees who are already working in the IAECs and are above 65 years of age will be allowed to continue till the end of their tenure in the present IAECs.

12.4.4 Authority under which IAEC is constituted and duration

The IAEC of an establishment is constituted by CCSEA at the time of registration for a period of 5 years. During these 5 years, revision in IAECs may be made in deserving cases with the approval of CCSEA. The IAEC would be reconstituted at the time of renewal, duly approved by CCSEA, for another 5 years.

The establishments are required to send names of 5 members at the time of constitution and at every reconstitution. It is mandatory that at least half of the members of IAEC are new at the time of reconstitution.

12.4.4. IAEC requirements

1. The duration of appointment is for a period of 5 years (coterminous with registration).
2. The committee is required to be reconstituted at the time of renewal of registration, and at least half of the internal IAEC members is required to be replaced at the time of renewal.
3. A member can be replaced in the event of death or long-term non-availability or for any action not commensurate with the responsibilities laid down in the guidelines deemed unfit for a member.
4. A member can tender resignation from the committee with proper reasons to do so.
5. All members should maintain absolute confidentiality of all discussions during the meeting and sign a confidentiality form.
6. Conflict of interest should be declared by members of the IAEC.
7. IAEC is required to formulate a SOP for its working requirements and follow it in all the meetings.
8. Foreign Nationals shall not be allowed as member of the IAECs of any establishments.

12.5 QUORUM REQUIREMENTS

The minimum of six members shall be required to form quorum of the IAEC meetings. All decisions shall be required to be undertaken in the meetings of IAEC and not by the method of circulation of project proposals.

Presence of Main Nominee of CCSEA nominee is a must. It shall be a must for the establishment to invite all nominees of IAEC for attending the meeting and the meeting notice shall invariably be issued by Registered Post at least 15 days before the date of the meeting.

Link nominee can attend in case Main Nominee conveys his unavailability in writing to the Chairperson of IAEC.

Socially aware member's presence is compulsory in all cases referred to CCSEA and their presence is mandatory at least in one meeting of IAEC of the establishment in a calendar year.

It shall be the duty of establishment to inform CCSEA about the continuous absence of nominees of CCSEA in a calendar year.

13. INTELLECTUAL PROPERTY RIGHTS (IPR) CELL

13.1. INTRODUCTION

The Intellectual Property Rights (IPR) Cell is established within the University, in consonance with National IPR Policy and UGC Guidelines, as a specialized institutional mechanism to promote, facilitate, and safeguard intellectual property generated through academic, research, and innovation activities. The Cell functions as a nodal body for creating awareness, providing guidance, and ensuring effective management of intellectual assets such as patents, copyrights, trademarks, designs, and related rights.

The IPR Cell operates in alignment with the provisions of the University Grants Commission, the Department for Promotion of Industry and Internal Trade, and the National IPR Policy of India (2016). It aims to foster a culture of innovation, creativity, and responsible knowledge dissemination while protecting the proprietary rights of the University and its stakeholders.

The establishment of the IPR Cell reflects the University's commitment to strengthening research output, promoting innovation-driven development, and enhancing institutional competitiveness at national and global levels.

13.2. OBJECTIVES OF IPR CELL

The IPR Cell shall pursue the following objectives:

1. To promote awareness and understanding of intellectual property rights among faculty, researchers, and students.
2. To facilitate the identification, protection, and commercialization of intellectual property generated within the University.

3. To provide guidance on patent filing, copyright registration, trademarks, and other IP processes.
4. To ensure compliance with national IPR laws, policies, and institutional regulations.
5. To encourage innovation, entrepreneurship, and technology transfer.
6. To support researchers in safeguarding their intellectual contributions and preventing infringement.
7. To establish institutional mechanisms for IP ownership, benefit sharing, and revenue generation.
8. To promote industry-academia collaboration for effective utilization of intellectual assets.

13.3 SCOPE AND APPLICABILITY OF THE IPR CELL

The Intellectual Property Rights (IPR) Cell shall have comprehensive jurisdiction over all stakeholders within the University, including faculty members, research scholars, students, and staff. Its scope shall extend to intellectual property generated through research projects, consultancy assignments, sponsored research, and collaborative initiatives undertaken within or in association with the University. The Cell shall also oversee innovations, inventions, creative works, and designs developed using University resources, infrastructure, or institutional support. Furthermore, it shall cover intellectual property generated under funded research schemes, incubation centres, and start-up initiatives, thereby ensuring systematic management, protection, and utilization of all intellectual assets emerging from the University ecosystem.

13.4 FUNCTIONS OF THE IPR CELL

The IPR Cell shall perform a wide range of functions aimed at fostering awareness, protection, and effective management of intellectual property within the University. It shall undertake awareness and capacity-building initiatives by organizing workshops, seminars, and training programmes on intellectual property rights and by disseminating information regarding recent developments in IP laws and policies.

The Cell shall facilitate the protection of intellectual property by assisting in its identification and documentation and by providing support for patent searches, drafting,

filing, and prosecution, as well as facilitating the registration of copyrights, trademarks, and industrial designs. It shall ensure compliance with institutional IPR policies and national regulations, and shall be responsible for developing and updating relevant policies, guidelines, and Standard Operating Procedures (SOP).

In addition, the Cell shall promote commercialization and technology transfer by facilitating licensing arrangements, supporting incubation and entrepreneurial initiatives, and establishing linkages with industry and innovation ecosystems. It shall provide advisory and support services by offering expert guidance on intellectual property ownership, rights, and obligations, and by addressing issues related to disputes, infringement, and ethical use of intellectual property. The Cell shall also maintain a comprehensive and systematic database of IP filings, granted rights, and commercialization activities, and shall prepare and submit periodic reports to the University authorities and regulatory bodies to ensure transparency, accountability, and effective governance.

13.5. COMPOSITION OF THE IPR CELL

The IPR Cell shall be constituted with a multidisciplinary team to ensure effective functioning.

13.5.1 Structure of the IPR Cell

- **Chairperson** - A senior academician or expert with experience in research, innovation, or intellectual property management.
- **Member Secretary** - A faculty member responsible for operational management and coordination of activities.
- **Members (5–10 or as deemed appropriate), including:**
 - ✓ Faculty members from diverse disciplines (Science, Engineering, Management, Law, etc.)
 - ✓ One Legal Expert / IP Attorney (external or internal)
 - ✓ One Industry Representative / Entrepreneur
 - ✓ One Innovation/Incubation Centre Representative (if applicable)
 - ✓ One Finance/Administration Representative

13.5.2 Key Features of Composition

The composition of the Intellectual Property Rights (IPR) Cell shall be structured to ensure comprehensive and effective functioning through multidisciplinary representation, encompassing diverse domains of intellectual property such as science, technology, management, and law. It shall include external experts to provide professional guidance and specialized insights, thereby enhancing the quality of decision-making and advisory functions. Furthermore, the composition shall ensure a balanced representation of innovation, legal, and academic perspectives, enabling the Cell to address complex intellectual property issues in an informed and holistic manner.

13.6 TENURE OF MEMBERS

The members of the IPR Cell shall ordinarily serve for a tenure of three (03) years, subject to renewal in accordance with University norms and institutional requirements. The University shall retain the authority to reconstitute or modify the composition of the Cell, either partially or entirely, as deemed necessary to ensure its continued effectiveness, relevance, and alignment with evolving institutional priorities and regulatory frameworks.

13.7 MEETINGS AND OPERATIONAL MECHANISM

The IPR Cell shall convene meetings periodically, ordinarily at least once every quarter or more frequently as required for the efficient discharge of its functions. Decisions of the Cell shall be taken through consensus; however, in cases where consensus cannot be achieved, decisions shall be determined by a majority vote of the members present. The Cell shall maintain proper and systematic records of its proceedings, decisions, and actions to ensure transparency, accountability, and effective institutional governance.

13.8 POWERS AND RESPONSIBILITIES

The Intellectual Property Rights Cell shall be vested with the authority to recommend the filing, protection, and commercialization of intellectual property generated within the University. It shall advise the University on matters relating to intellectual property ownership, licensing, and revenue-sharing mechanisms, thereby facilitating effective management and utilization of intellectual assets. The Cell shall also facilitate the execution of agreements such as Non-Disclosure Agreements (NDAs), Memoranda of Understanding (MoUs), and licensing contracts. Additionally, it shall initiate appropriate

measures to safeguard intellectual property against infringement or misuse, ensuring robust protection of institutional intellectual assets.

13.9 SIGNIFICANCE AND INSTITUTIONAL RELEVANCE

The establishment of the Intellectual Property Rights Cell significantly contributes to strengthening the research and innovation ecosystem within the University by promoting the creation, protection, and strategic utilization of intellectual assets. It enhances opportunities for research commercialization, fosters entrepreneurship and start-up development, and strengthens industry collaboration. Moreover, the Cell plays a vital role in generating revenue and creating societal impact through the commercialization of research outcomes, thereby aligning academic innovation with broader economic and developmental goals.

The ownership of intellectual property generated through research shall be governed by institutional guidelines, ensuring fair recognition and benefit-sharing between the University and the concerned researcher(s).

The University shall provide necessary guidance, technical assistance, and financial support for filing patents, copyrights, and trademarks to protect research outcomes.

A transparent mechanism shall be established for sharing revenue generated from commercialization of research, ensuring equitable distribution between the University and the inventors.

The Intellectual Property Rights Cell serves as a critical institutional framework for fostering innovation, protecting intellectual assets, and facilitating knowledge transfer within the University. By integrating legal, academic, and industrial perspectives, the Cell ensures that intellectual property generated within the institution is effectively managed, safeguarded, and utilized for the benefit of both the University and society at large. Its effective functioning is essential for promoting a culture of innovation, academic excellence, and sustainable development.

14. INNOVATION & INCUBATION CELL

14.1. INTRODUCTION

The Innovation & Incubation Cell (IIC) will be established within the University, in consonance with National Innovation and Start-up Policies and UGC Guidelines, as a strategic institutional mechanism to foster a culture of innovation, creativity, and entrepreneurship among students, faculty, and researchers. The Cell serves as a nodal centre for ideation, incubation, capacity building, and commercialization of innovative ideas and technologies.

The IIC operates in alignment with national initiatives and policy frameworks promoted by the University Grants Commission, the Ministry of Education, and the Atal Innovation Mission, as well as programmes under the Start-up India Initiative. It aims to create an enabling ecosystem that supports innovation-driven research, technology development, and entrepreneurial ventures.

The Cell facilitates the transformation of ideas into viable products, processes, and enterprises, thereby contributing to economic development, employment generation, and societal advancement.

14.2. OBJECTIVES OF THE IIC

The Innovation & Incubation Cell shall pursue the following objectives:

1. To promote a culture of innovation, creativity, and entrepreneurship within the University.
2. To provide a structured platform for ideation, prototyping, and incubation of innovative ideas.
3. To facilitate the development of start-ups and entrepreneurial ventures.
4. To provide mentoring, technical support, and guidance for innovation and business development.
5. To strengthen industry-academia collaboration and networking.
6. To support technology transfer, commercialization, and product development.
7. To facilitate access to funding opportunities, grants, and investment support.

8. To enhance students' and researchers' competencies in innovation management and entrepreneurship.

14.3 SCOPE AND APPLICABILITY OF THE IIC

The Innovation & Incubation Cell (IIC) shall extend its services and institutional support to a wide spectrum of stakeholders within the University ecosystem, including students, research scholars, faculty members, and alumni. Its scope shall also encompass start-ups and entrepreneurial ventures incubated within the University, as well as interdisciplinary and collaborative innovation projects. Additionally, the Cell shall facilitate and support industry-linked research, consultancy, and innovation-driven initiatives, thereby strengthening the interface between academia and industry.

14.4 FUNCTIONS OF THE IIC

The Innovation & Incubation Cell shall perform a diverse range of functions aimed at fostering innovation and entrepreneurship. It shall promote innovation by organizing activities such as innovation challenges, hackathons, idea competitions, and boot camps, while encouraging creative problem-solving and design thinking approaches. The Cell shall provide incubation support through infrastructure facilities, including workspace, laboratories, and technical resources, along with mentorship from experts in academia and industry. It shall undertake capacity-building initiatives by conducting workshops, training programmes, and seminars to enhance skills in business planning, financial management, and market analysis. Furthermore, the Cell shall offer mentorship and advisory services by guiding innovators in business model development, product design, and scaling strategies, and by connecting them with mentors, investors, and industry experts. It shall also facilitate access to financial resources, including government grants, seed funding, venture capital, and angel investment, while supporting applications under national schemes. In addition, the Cell shall promote technology transfer and commercialization by enabling the conversion of research outcomes into viable products and coordinating with the IPR Cell for intellectual property protection. It shall establish networks with industries, start-up ecosystems, incubators, and innovation hubs, and promote national and international collaborations. The Cell shall also monitor and evaluate the progress of incubated start-ups and innovation projects in terms of commercial success, employment generation, and societal impact.

14.5 COMPOSITION OF THE IIC

The composition of the Innovation & Incubation Cell shall be designed to ensure effective governance and multidisciplinary representation. It shall be headed by a Chairperson, who is a senior academician or expert with experience in innovation, entrepreneurship, or research management. The operational coordination shall be carried out by a Coordinator or Director of the Incubation Centre, who shall be a faculty member responsible for the overall functioning of the Cell. The membership shall consist of 8 to 15 members, including faculty representatives from various disciplines, an industry expert or entrepreneur, a start-up founder or innovator, a financial expert or investment advisor, a legal or IPR expert, and representatives from the IPR Cell, R&D Cell, and student innovation bodies or clubs. The composition shall reflect multidisciplinary representation, inclusion of external experts, and a balanced mix of academic, technical, financial, and entrepreneurial expertise.

14.6 TENURE OF MEMBERS OF THE IIC

The members of the Innovation & Incubation Cell shall ordinarily hold office for a period of three years, subject to renewal in accordance with University norms and requirements. The University shall retain the authority to reconstitute the Cell, either partially or fully, as deemed necessary to ensure its continued effectiveness, relevance, and alignment with institutional and national priorities.

14.7 MEETINGS AND OPERATIONAL MECHANISM OF THE IIC

The Innovation & Incubation Cell shall meet regularly, ordinarily at least once in a quarter or more frequently as required for effective functioning. Decisions of the Cell shall be taken through consensus, and where consensus is not achievable, through majority voting. Proper and systematic documentation of meetings, activities, deliberations, and outcomes shall be maintained to ensure transparency, accountability, and institutional record-keeping.

14.8 POWERS AND RESPONSIBILITIES OF THE IIC

The Innovation & Incubation Cell shall be vested with the authority to select and admit start-ups for incubation support and to recommend allocation of funding and institutional resources. It shall facilitate partnerships, collaborations, and Memoranda of Understanding (MoUs) with external stakeholders, including industry and innovation

agencies. The Cell shall support the commercialization and scaling of innovations and shall also recommend policy measures aimed at strengthening the innovation ecosystem within the University.

14.9 SIGNIFICANCE AND INSTITUTIONAL RELEVANCE OF THE IIC

The establishment of the Innovation & Incubation Cell significantly enhances the University's capacity to promote innovation and entrepreneurship. It contributes to strengthening the innovation ecosystem, improving research commercialization, and fostering industry engagement. The Cell also promotes self-employment and start-up culture among students and researchers, while supporting national initiatives such as Start-up India and Atmanirbhar Bharat, thereby aligning institutional objectives with national development goals.

The Innovation & Incubation Cell serves as a vital institutional platform for nurturing innovation, fostering entrepreneurship, and translating knowledge into impactful and sustainable outcomes. By integrating academic excellence with industry collaboration and entrepreneurial support, the Cell plays a crucial role in driving economic growth, employment generation, and societal transformation, thereby reinforcing the University's commitment to innovation-led development.

15. RESEARCH ETHICS AND INTEGRITY

All research activities shall be conducted in Strict adherence with established ethical guidelines & principles, ensuring honesty, transparency, and accountability in data collection, analysis, and reporting.

The University shall adopt a strict stance of Zero tolerance against any form of academic dishonesty, including plagiarism, falsification, or fabrication of data, with appropriate disciplinary actions for violations.

All research work, including theses, dissertations, and publications, must undergo plagiarism checks using approved software to ensure originality and authenticity.

Researchers shall adhere to recognized ethical norms and guidelines prescribed by national and international bodies, particularly in studies involving human participants, animals, or sensitive data.

16. MONITORING AND EVALUATION

The research activities of faculty members and departments shall be regularly reviewed to assess progress, productivity, and quality of outputs.

A systematic annual research audit shall be conducted to document achievements, evaluate performance, and ensure accountability in research activities.

Evaluation shall be based on defined KPIs including number and quality of publications, citation impact, patents filed/granted, and externally funded research projects.

17. CAPACITY BUILDING

The University shall organize regular training programs to enhance the research skills of faculty and students in areas such as methodology, statistical tools, and scholarly writing.

Workshops shall be conducted to guide researchers in preparing effective research proposals and identifying suitable funding sources.

Senior faculty members shall mentor early-career researchers and students to support their research development and career progression.

18. COLLABORATION AND NETWORKING

The University shall develop formal collaborations with reputed institutions and industries to promote joint research and academic exchange.

Faculty and students shall be encouraged to engage in collaborative research, co-authored publications, and academic exchange programs at national and international levels.

The University shall promote active participation in research networks, forums, and consortia to enhance visibility and access to global research opportunities.

19. DOCUMENTATION AND DISSEMINATION

A systematic and updated record of all research activities, including publications, funded projects, patents, consultancy work, and academic achievements, shall be maintained in centralized institutional databases to ensure proper documentation and easy retrieval.

The University shall regularly publish research newsletters, institutional journals, and annual/periodic reports to highlight research contributions. In addition, a bi-annual Research Directory shall be published to comprehensively document faculty profiles, publications, projects, patents, and other research achievements, thereby enhancing transparency and visibility.

Research outcomes shall be disseminated through conferences, seminars, workshops, institutional repositories, and digital platforms to ensure wider accessibility. Efforts shall also be made to share research findings with industry, policymakers, and the community for greater societal relevance and impact.

20. AMENDMENTS AND REVIEW

The policy shall be reviewed at regular intervals to ensure its relevance in the context of emerging research trends, technological advancements, and evolving national and international guidelines.

Any modifications or updates to the policy shall be made with due approval from the competent authorities of the University, ensuring transparency and alignment with institutional objectives.

21. CONCLUSION

The Research & Development Cell Policy of Motherhood University, Roorkee, is designed as a comprehensive framework to foster a dynamic, inclusive, and supportive research environment within the institution. It integrates key dimensions such as a clear vision and mission, well-defined scope, and structured objectives aimed at strengthening the research ecosystem, enhancing the quality and quantity of research outputs, and promoting innovation and intellectual property generation.

The policy emphasizes essential characteristics including inclusiveness, interdisciplinary collaboration, ethical integrity, innovation-driven approaches, and outcome-oriented research, thereby ensuring a balanced and progressive research culture. Through dedicated institutional mechanisms such as the Research & Development Cell (RDC), Institutional Ethics Committee (IEC), Institutional Animal Ethics Committee (IAEC), IPR Cell and Innovation & Incubation Cell, the University ensures effective planning, implementation, monitoring, and continuous improvement of research activities.

A strong focus is placed on key activities such as research promotion, publication support, sponsored research, consultancy services, and national and international collaborations. The provision of research funding, infrastructure, and capacity-building initiatives further strengthens the ability of faculty and students to undertake meaningful and impactful research. The inclusion of a structured research incentive system, organization of conferences and workshops, and publication of bi-annual research directories ensures motivation, visibility, and systematic documentation of research outputs.

The policy also reinforces the importance of maintaining high standards of research ethics and integrity, protecting intellectual property rights, and adopting transparent monitoring and evaluation mechanisms based on defined performance indicators. Additionally, it promotes collaboration, networking, and effective dissemination of research findings to maximize academic and societal impact.

Overall, this policy reflects the University's commitment to building a sustainable and robust research ecosystem aligned with national priorities and global standards. It seeks to contribute significantly to academic excellence, knowledge creation, innovation, and societal development, thereby positioning the University as a progressive center of research and learning.