



PADMASHREE
INSTITUTE OF MANAGEMENT
AND SCIENCES



RESEARCH INNOVATION POLICY

2021

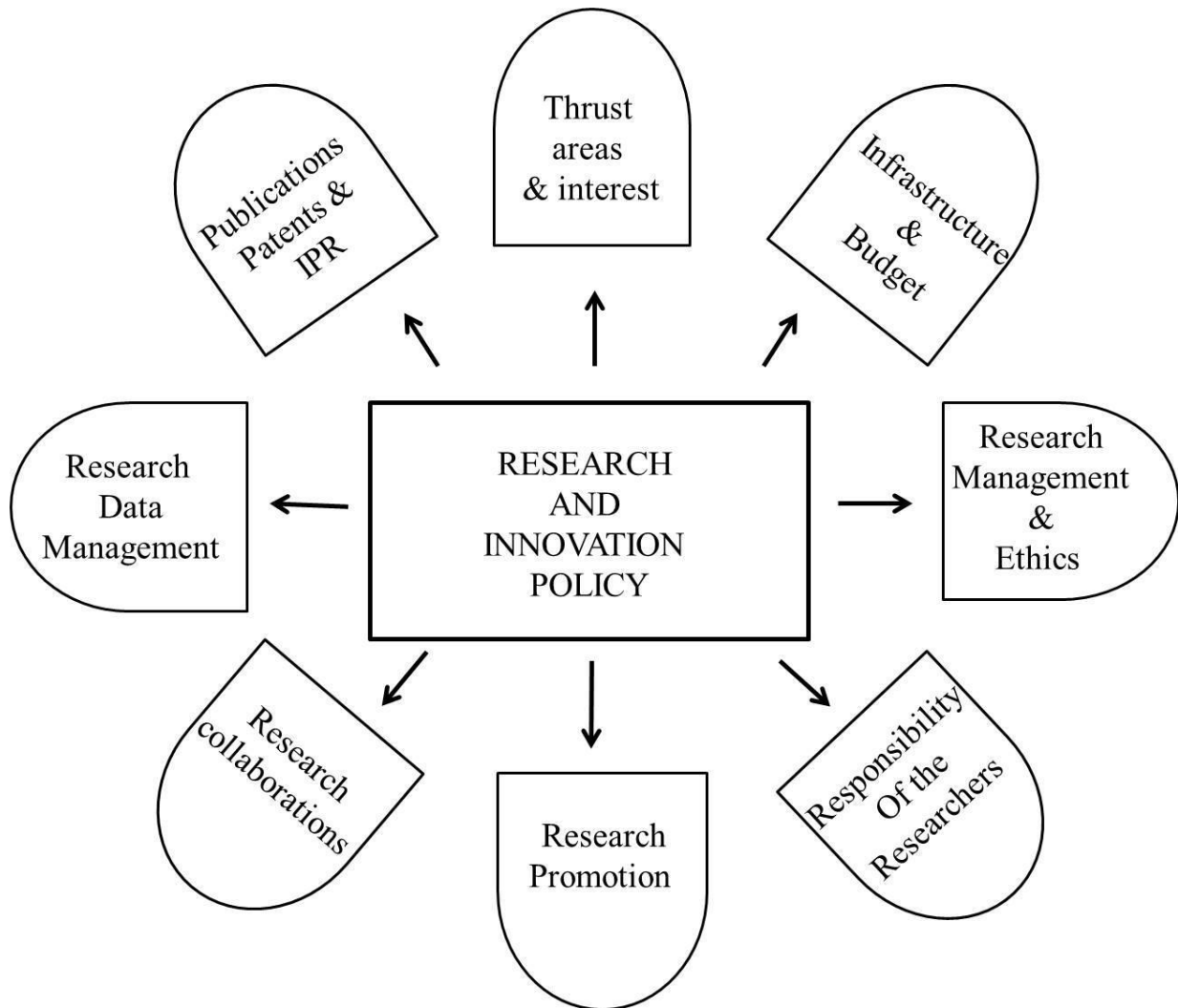
RESEARCH AND INNOVATION POLICY

Preamble:

Padmashree Research Centre affiliated with Bangalore University has an excellent ecosystem for research activities. The institution is committed to providing support to quality research and has a mission to address scientific challenges to society and the environment. The research team and advisory committee are continuously striving towards excellence in research. Research collaborations with reputed academic institutions and industries are vibrant and intellectually stimulating. The goal of Padmashree is to achieve research excellence and disseminate innovations to the entire world. The quest for innovation and research is proven with a track record of securing projects and grants from state, national, and private agencies. Research advisory is a good amalgamation of academic, and industry experts and made continuous efforts in inculcating scientific temper and igniting creative spirit. We encourage student research projects and train them to secure small research grants for pursuing the research. This policy aims to nurture research culture and cater to the good of society through innovation and technology transfer. Ethics is the central dogma of the Padmashree research center and policy reiterates the research principles and ethics. Faculty and students are encouraged to undertake research, leading to quality publications, presentations in national conferences of repute, generation of intellectual property for communication that is of useful for society.

A clear demarcation of funds and resources will surely strengthen our research, and this will attract distinguished faculty to develop a culture of research and stride to achieve national and international recognitions and publications. Establishing chairs and fellowships can help nurture research at Padmashree Institute of Management and Sciences. Research policy is aimed at design and deployment of policies on innovation, patenting, academic integrity, and commercialization of technology through consultancy.

Overview of Research and Innovation policy



Purpose of the Research Policy

The policy provides guidelines and defines the roles and responsibilities of all the stakeholders. The policy shall serve as a general outline for the conduct of all types of research activities of the Institution. The policy document enables the research and innovation culture, provides strategies, and enable effective implementation.

The purpose of the research policy is to create a vibrant atmosphere of research among faculty, students, and researchers. The policy aims to facilitate the efficient implementation of excellence in research, innovation, and collaboration and raise awareness pertaining to best practices in research and innovation.

Scope of the Research Policy

The policy will be applicable to all the departments of the institute and applicable to all the faculty and students either funded or otherwise. This is applicable to all the members pursuing research within/outside institution premises. The research policy pertains to the wide strategic interests of the institution including partnerships, collaborations, publications, consultancies, and MoUs.

Objectives

- To foster research culture and extend support to research and innovation within the research framework and guidelines.
- To design strategic research policy and inculcate good governance to achieve a center for excellence.
- To ensure quality and ethics in the research publications.
- To provide systems for coordination among the research team and with collaborating institutes or individuals.
- Providing modality for proper coordination of all research activities aligning with the vision and mission of the institution.
- Ensure publications in quality journals, indexed in Scopus/web of Science with impact factor.
- Integrate research activities undertaken by the students with the research focus of the institution in alignment with the societal impact.
- Promoting technology transfer and translational research, into deliverable products and processes for commercialization.

Custodian of the policy

The implementation and updating of the research policy shall be carried out by the director/head of research, Padmashree research center. The research policy shall have a research advisory body to function under the board of management and director. The Director along with the research coordinator will ensure the smooth implementation of the research policy. The research cell is responsible for organizing meetings, reviews, execution, and monitoring of the activities and disseminating the vision and objectives of the institution's research policy. Annual management board meetings shall resolve issues, and deliberate policy implementation, budgetary requirements, resource mobilization, and action plans.

Research Management Board

- Chairman
- Director
- Principal/R&D Director

Research Advisory Committee (RAC)

- Principal – Director R&D
- Director – PGI
- Research cell Coordinator
- Senior faculty members
- Bangalore University nominee
- Experts from Industry
- Experts from Academia

Research Coordination Committee (RCC)

- Principal – Director
- R&D Research cell Coordinator
- Heads of various departments
- Members – Senior faculty
- The Research Advisory Committee constituted by the management board meets half-yearly and reviews the progress of the research and innovation cell. RAC plays an advisory role and guides toward growth and development.

The RCC will meet on a quarterly basis, to review the progress of the research work, identifies the research problems, discusses the various funding opportunities, reviews the proposals, prepare a budget, defines SOPs for lab maintenance, and monitors all the research activities of the institute.

Strategic Plan and research promotion policy

The institution has a well-defined research promotion policy and has established a research coordination committee, and research development fund, and strengthened its research infrastructure. Research policy is a clearly defined strategic plan and is as given below.

Research priorities and thrust areas

The Padmashree research center in consultation with external experts and members of RAC and RCC has identified life sciences, allied health Sciences, food, nutrition, nutraceuticals, societal research, and environmental sciences as priority areas of research based on the strengths and expertise.

Infrastructure:

The Institution has a well-defined action plan and development fund, which enabled it to strengthen its research infrastructure including a central instrumentation facility, specialized research labs, a library, and a research /statistical database. The major goals with respect to infrastructure are as follows:

- State of art facilities for Biotechnology, Microbiology, and Biochemistry
- Augmentation of central instrumentation facility
- NABL accreditation
- Quality testing lab for Biopharma, Nutraceuticals, and Food products.

Budget and resource mobilization

The annual budget will be planned by RCC and will be approved by the management board. Recommendations of the advisory committee will be considered while drafting the budget. The annual budget is decided based on the strategic plan and the existing support from the funding agency. The budget proposed will be presented by the research director to the management board for approval. Implementation, financial audit, and research audit will be done at two levels. Internal auditing and external auditing will be taken up and a statement of expenditure, utilization certificate, and progress report will be submitted as per the norms.

National, international, and private funding agencies:

Eligible faculty members and students are encouraged to secure grants and funds from various agencies. The grant proposals need to be reviewed and scrutinized by the research coordination committee. The grant proposals will be revised based on the recommendations and will be submitted through the proper channel to the funding agency. The action plan for securing grants from funding agencies is clearly defined and is given below.

The research cell identifies funding agencies, call for proposals, and grant in aid and informs all the eligible members. Draft proposals from the members will be secured, scrutinized, and brainstormed. With suitable modifications and possible collaborations, proposals will be revised and submitted to the RCC. After final approval from the research coordination committee, proposals will be submitted to the funding agency. After grants are secured, a purchase committee will be constituted. The role of the purchase committee is to secure quotations either through e-tendering or through mail. The entire mechanism shall be transparent. Project progress review meetings shall be conducted periodically, and support will be provided wherever necessary. The project investigator will be rewarded with incentives and the incentive will be recommended by the committee and approved by the management board.

Research Management and Ethics

The research coordination committee will be responsible for the implementation and management of research activities. Under the research coordination committee, there will be sub-committees/teams for purchase, extension, research collaboration, project management, literature resource, contract R&D activities, conferences organizing team, regulatory compliance, ethical committee, and recognitions.

The Institute shall recruit faculty members and researchers who have demonstrable/demonstrated capability in research. Faculty incentives and promotion may significantly depend on projects undertaken. The quality of research output, especially research publications, may be assessed based on Impact Factor (IF) and H index.

Students are encouraged to work on dissertations or small funded projects reviewed by the peer-scientific team and ethical committee. The Institution provides awareness of academic and research misconduct like plagiarism for promoting and improving the quality of research. Any work involving animal models, clinical research will be submitted to RCC and ethical committee for clearance. Unethical practices, plagiarism, data theft, copying is not tolerated, and disciplinary action shall be initiated. It is expected that each member involved in research such as faculty, researchers, and postgraduate researchers will adhere to highest ethical standards of conduct. Ethical standards of conduct include data integrity, adhering to ethical guidelines, given from time to time, for carrying out research. Each faculty member and researcher shall follow academic honesty in his/her research work. The

faculty and researchers shall be careful not to fall prey to academic dishonesty. A disciplinary committee, on the instruction of the chairman, shall be formed to carry out an inquiry when academic dishonesty is reported against an individual/team. Suitable disciplinary action may be initiated, if found guilty, against such individual/team. Plagiarism or any form of copying and research misconduct is claimed to be unethical and will be a punishable offense under the law. The research misconduct includes self-plagiarism, fabrication, falsification, manipulation of research work data or images / digital images/use of unreliable and duplicate images, exaggeration on any part of results and interpretation, use of unauthenticated statistical tools for analysis, and ghost authorship.

Conferences, workshops, and seminars

The Institution shall encourage to organize conferences, seminars, symposia, workshops, and hands-on training by providing financial assistance. The proposals shall be submitted to granting agencies for support. Academic partners, knowledge partners, industry partners, and publishing partners shall be identified, and collaborations shall be established. Financial support is provided for faculty and students to attend State/National/International conferences. Support shall be extended for prize-winning posters/presentations. Budgetary provisions shall be made for cash incentives for publication in reputed journals.

Collaborations and MOUs:

Members of the research cell shall be encouraged to collaborate with inter and intra-institutional researchers. Industrial live projects and consultancies shall be a major focus of the institution. Collaborations and MOUs are formulated including ownership of materials, procedures, data, IPRs, joint publications, managing research findings, and commercializing research outcomes. Researchers must acquaint themselves with all aspects including the national and international requirements of the research collaborations, mandatory approvals, memorandums of understanding (MOU), material transfer agreements (MTA), and approval of collaborating institutes, researchers for undertaking inter-institutional research.

Research Data Management

Padmashree Research Centre effectively manages and maintains the data generated by research project work as an important part of research and innovation practice. The

following steps are undertaken for data management:

Documentation in the blue data book

- Clear instructions and mechanism for generating data Digitalization of daily research work done
- Assurance of integrity in research data management
- Advanced data protection, storage, and minimizing the risk of data loss. Enablement of authenticated data transfer and collaboration.
- Follow the principle of open access to publicly funded research project data deliverables. Compliance with the requirements of funding agencies and industries.
- Responsible for data handling with proper storage and protection against accidental loss, damage, and theft.

Ensuring authorships in publications and patents

Periodic review of research output shall be carried out by each department and provide such information to the research cell, RCC, and IQAC, periodically (preferably quarterly) for assessment and recommendations for publication and patenting.

IPR

The patent facilitating cell shall be constituted with one patent attorney as an external member and other RCC members. This sub-team shall provide guidelines for patent drafting, filing, and examination. Annual training sessions on the same shall be organized by inviting experts. Financial assistance shall be provided for filing patents.

Padmashree Research Centre has adopted the definitions of research misconduct set out by the university grants commission, (promotion of academic integrity and prevention of plagiarism in higher educational institutions) regulations.