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Jain College of Engineering, Belagavi
Research & Development Cell

Research & Consultancy Policy

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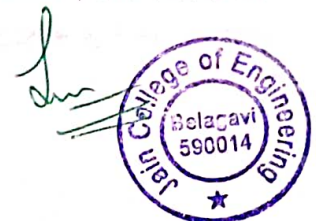


1. Introduction

The research policy of the college aims to create and support a research culture among its faculty, staff and students and leverage it for enriching and enhancing the professional competence of the faculty members; for developing and promoting scientific temper and research aptitudes of all learners; for realising the vision and missions of the college and for contributing to national development by establishing an institutional fund and plan for facilitating their participation in research and related activities and by providing the required resources and appropriate facilities.

2. Objectives of the Research Policy

- To create and promote a culture of research among the faculty and staff of the college.
- To provide a modality of for proper coordination of all research activities of the college and aligning these to the vision and missions of the college.
- To promote interdisciplinary research and establish modalities for preparing and undertaking joint research projects covering more than one knowledge domain as well as policies for involving external agencies/experts in such projects.
- Identifying and establishing linkages including MOUs for long term relationships with national and international research organizations for widening the scope of research opportunities and funding options available.
- To encourage and facilitate the publication/presentation of the research work/projects in reputed academic journals, conferences, seminars or guest lectures.
- To create and administer a research fund for supporting and facilitating research initiatives and projects of faculty members and students.
- To develop rules, procedures and guidelines for granting study leave, sabbatical leave, duty leave, reduction in workload, etc. for faculty members undertaking research activities.
- Developing and administering rules and procedures to ensure the compliance of all researchers to the research quality assurance framework, the research code and all the applicable rules and regulations.



3. Research Council Cell

The Research Council Cell is the regulatory body of the college to formulate policies, guidelines and effectively responding to the challenges of the college towards enhancing research activities. The research council cell consists of the following

Principal & Director : Chairperson

Dean (R&D) : Member Secretary

Dean (Academics) : Co-ordinator

Head of Departments : Members

Industry/Academia representative - Member

Two Research Scholars : Members

4. Initiations to promote R & D activities

The objectives of initiating R & D activities are to enable focused research, attract funding, IP generation, productization, start-up support, and synergise the efforts of faculty and students to gain greater recognition for the college at National and International level. Jain College of Engineering is allocating separate budget for research & development activities. The funds will be used for initiation of different research promotion schemes.

a) Seed Money

The seed money is provided to the faculty for carrying out their preliminary research work or to establish a research facility or develop a product. The proposal for seed money can be submitted by an individual faculty or a group of faculty members based on the research areas. Research council cell along with subject experts will review and approve the seed money proposals. The faculty member/group can utilize the seed money for the purposes of equipment, consumables, travel expenses (related to surveys), software, research databases, stationery and testing & analysis etc. The seed money cannot be utilized for manpower. The maximum seed money available for each proposal will be rupees



fifty thousand but can be increased in special cases after detailed discussion by research council cell members.

b) Publication Awards

Jain College of Engineering is committed for quality research publications in reputed journals and conferences. Every academic year, two faculty or research scholars will be given best publication award. The award include appreciation letter and memento. The details of calculation for points for award is given below.

Activity	Author type	Points earned
Paper in refereed journal indexed in Scopus or UGC approved or WoS with Impact factor greater than or equal to 2	First or Corresponding Author	20
	Co- Authors	08
Paper in refereed journal indexed in Scopus or UGC approved or WoS with Impact factor less 2	First or Corresponding Author	12
	Co- Authors	05
Full paper in International Conference indexed in Scopus or WoS	First or Corresponding Author	10
	Co- Authors	04
Full paper in National Conference indexed in Scopus or WoS	First or Corresponding Author	08
	Co- Authors	03
Book chapter indexed in Scopus or WoS	First or Corresponding Author	12
	Co- Authors	05

The number of groups for the award can be made as follows

PG courses : MBA/MCA/MTech	Total 2 Awards
Applied Science (Mathematics, Physics and Chemistry)	Total 2 Awards
Engineering Departments	2 Award for each department



c) One time Incentive for research grants

Faculty are encouraged to write research proposal for external sponsoring agencies and companies viz. AICTE, CSIR, DST-SERB, DST, DRDO, BARC, VGST, KSCST etc. College will provide one time incentive for faculty for getting research grants from different sponsoring agencies. The principal investigator and co-investigator/s will be paid in total 2% of research grant (maximum limit Rs 25,000) as one time incentive.

d) Teaching Faculty : Financial Support for Conference / Seminars / Workshops / skill development training Grant

Jain College of Engineering is committed to increase the exposure of its faculty, student and staff by encouraging them to attend & present papers in national and international conferences and to attend seminars/workshops/skill development training for their professional growth, academic interaction and excellence in research. Financial support includes registration fees and travel grant for attending conferences, workshops, seminars and skill development training will be provided by the college. Additionally, papers published in journals/book chapter indexed in Scopus / UGC approved / WoS / IEEE will also be considered. The financial support will be given as per criteria shown.

Publication (Conference / Journal / Book Chapter)	First Author	Second Author
First publication	Rs 2500	Rs 2000
Second publication	Rs 2500	Rs 1500
Third publication	NA	Rs 1500

One claim per publication is allowed i.e. either first or second author can claim the financial support. The maximum cap of Rs 5,000 each faculty every academic year is set for this purpose.



e) Non Teaching Faculty : Financial Support for Conference / Seminars / Workshops /Skill Training Grant

Financial support includes registration fees and travel grant for attending conferences, workshops, skill training and seminars will be provided by the college. The maximum cap of Rs 2,000 each non-teaching staff every academic year is set for this purpose.

f) Reimbursement of course and exam fees

Applicable for all teaching and non-teaching staff opted for courses on Swayam portal or any other AICTE recognized portal or government approved skill development training and successfully clearing their exam. The maximum cap of Rs 2,000 each staff every academic year is set for this purpose.

g) Financial support for patent filling

Jain College of Engineering encourages its research community to file for patents arising out of their work. The JCE IPR cell will assist for filing the patent.

h) Leave Benefits

Faculty can avail 8 days for international travel or 5 days for national travel during teaching period per semester. One week of the earned leaves can be availed during non-teaching period after approval from the principal. The leaves can be availed for conferences / workshops / seminars / symposia / faculty development programmes / evaluation / appearing in examination / visiting funding agencies, lab, library, university for research work / data collection / data analysis / writing grant proposal (discussion or collaboration) / guest lecture / research paper writing / PhD Course work classes.



i) Faculty student start-up grant

This grant is given to faculty or group of faculties who involve with the start-up and students towards a product development and deployment.

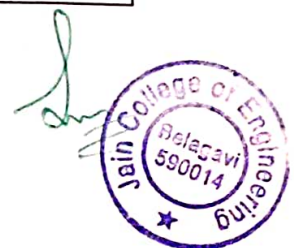
5. Patent and IPR Cell

The research output in the form of innovation, creativity and patents filing are encouraged through JCE IPR policy and a separate IPR Cell for facilitating the said activities have been established. The application for filing patent will have to be submitted to JCE's Intellectual Property Assessment Committee for a scrutiny. Expenses for filing patent, sharing of revenue in case a patent is commercialized shall be done as per statutory provisions. The college shall create awareness about intellectual property rights among faculty, researchers and scholars from time to time.

6. Consultancy Policy

Jain College of Engineering gives opportunity to its faculty to work on consultancy projects. The college recognizes that Consultancy is an effective way to disseminate knowledge and committed to make it accessible the available faculty expertise through service to industry and society. The college, as a socially responsible institution wants to make an early and direct impact on society through consultancy, whereas maintaining balance between consultancy and the traditional roles as a teacher. All Research and Non-research consultancies are governed by the rules and regulations described by the college. The consultancy fees will be divided between faculty and institute as shown below.

Percentage Share of Consultancy Fees	
Faculty/Staff (Include supporting staff)	Institution
50%	50%



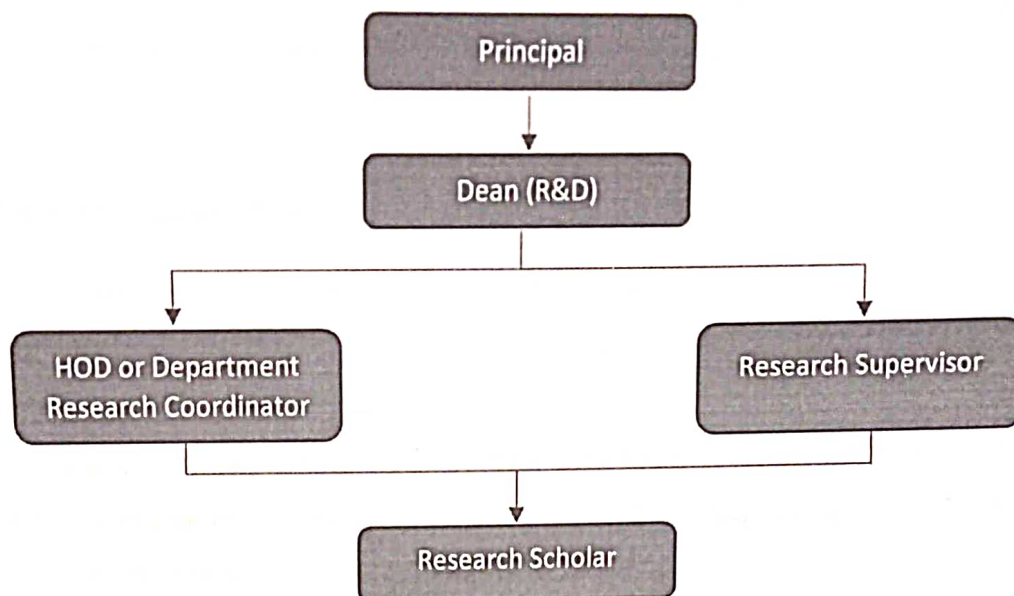
7. Code of Research and Ethics

Jain College of Engineering plays utmost importance in encouraging its faculty for following ethical guidelines established by appropriate bodies in carrying out the research activities. The college gives highest importance to IPR and ethical publishing. All the postgraduate and PhD theses before submission must be checked by authentic plagiarism checking software and certificate to be submitted with signatures of both research scholar and the concerned research guide. Plagiarism software has been provided to the entire faculty for checking their research articles, research proposals and research project reports besides using plagiarism check to regulate the student assignments.

College encourages various departments to conduct workshops in research methodology where ethics in research is an integral part of these workshops. Awareness is also created to faculty members by invited talks on ethics in research. Ethics in research is also taught for M.Sc (Research) / PhD research scholars as part of their course work, where ethics is an essential part.



8. Organization chart



Role of Dean (R & D)

- Communication with university in consultation with the principal.
- Communication with external research sponsoring agency and companies.
- Maintain list of all research proposal applied to different agency and sanctioned.
- Maintain the finance details of all ongoing projects or consultancy work after consulting with account department and principal.
- Provide all type of remuneration form (6 month review, comprehensive viva, PhD defence viva, consultancy fees etc) to all stake holders and forward the final remuneration form to principal for the approval.
- Check whether university rules and regulations are followed or not.
- Check code of research and ethics are followed or not.

Role of Department Research Coordinator

- Maintain all documents at department level
- Forming the doctoral committee for research scholars as per VTU research regulation in consultation with Dean (R&D), HOD and respective research supervisor.
- Arrange the 6-month review, comprehensive viva, open seminar, PhD colloquium and PhD defence for research scholars after consulting with research supervisor.



- Collect all the review reports from research scholar and forward it to Dean (R &D)
- Send the filled remuneration forms received from examiners to Dean (R &D)
- Form filling and issue of hall ticket for course work exam

Role of Research Supervisor

- Guiding the research scholars in area of research.
- Forming the doctoral committee as per VTU research regulation in consultation with HOD and Research Coordinator.
- Coordinate with department coordinator and HOD for arranging the 6-month review, comprehensive viva, open seminar, PhD colloquium and PhD defence for research scholar.
- Checking university regulations, code of research and ethics are followed by scholars or not.

