



## JANSONS INSTITUTE OF TECHNOLOGY, COIMBATORE

### RESEARCH POLICY

Academic institutions are expected to perform threefold activity which includes teaching, research and extension. Research happens to be one of the pioneer aspect of academic activities which help the institution to achieve excellence in the field of education. It also includes the quality of learning and knowledge development. R&D Cell aims to nurture research culture in the College by promoting research in newly emerging and challenging frontier areas of Engineering, Technology, Science and Humanities.

It encourages the students and faculty to undertake the research in newly emerging frontier areas including multidisciplinary fields. This enhances the general research capability of budding technocrats by way of participating in conferences, seminars, workshops, project competition, etc.

To broaden the student's knowledge in the field of Industrial expectation and to interact with industry experts, **Entrepreneurship Development Cell** is included under research cell. To encourage and preserve the innovative ideas of the faculty and students and stimulate collective growth towards research and development **Intellectual Property Rights Cell** is incorporated in the research cell.

**Institution Innovation Cell** is introduced to inculcate student project ideas, pre-incubation ideas and start-up support from the institute for the betterment of the student's career.

#### **PURPOSE:**

The purpose of the Research Policy is to create a vibrant atmosphere of research among faculty and inculcate research aptitude among the students. The policy shall serve as an overall framework within which research activities may be carried out. It also aims to identify thrust areas of research having social relevance and thereby supplementing the Vision and mission of the college. The Research policy also emphasizes contribution towards society and to the nation at large.

**SCOPE:**

This Research Policy forms the basics of the research ethics of the college and is implemented in all the departments and it serve as the guidelines for the functioning of the Research council of the college

**OBJECTIVES OF THE RESEARCH POLICY:**

- To create awareness and opportunities in Research and Development among the faculty and students and to create Research and Development atmosphere in every department.
- To kindle the research attitude among the staff members to take up Research projects and improve their knowledge, skills and qualifications by registering for Ph.D
- To motivate the faculty members of the group for R&D activities in the area of their specialization.
- To encourage staff members and students to publish technical papers in National and reputed International Conferences/ Journals.
- To undertake research activities and development projects offered by agencies such as CSIR, DRDO, RCI, DST, AICTE, UGC, TNSCST etc
- To assist for applying and getting funds for conducting Seminar/Workshop/FDP from various available funding agencies
- To facilitate the growth of research activity among the academic community.

In order to promote research and development activities, the institute extends its full support to students and faculty. Full/Partial financial support is given to all innovative research & development works taken up by the students and faculty members. The college encourages students and faculty to participate in National/International Conferences, Training programs. The institution has a R & D cell which facilitate and

monitor research activities. The faculty as well as students is actively engaged in research activity & other research projects.

### **Roles and Responsibilities of R & D Cell**

1. To enhance the Research Ecosystem of the college
2. To promote Academic Research in the college with Faculty and students
3. To preserve the Code of ethics of the college while publishing their research findings.
4. To help the faculty in applying for funds in the form of Sponsored research / Grants from government and non government agencies
5. To pave path for the teachers, students and researchers to collaborate for research.
6. To formulate Methodology to develop projects
7. Process of converting projects into prototype and in-turn into products
8. Enhancing their knowledge on Intellectual property rights and Patents.
9. Conduct skill development courses to enhance the capability of students and faculty

### **The Chairperson will:**

1. Chair the meetings and delegate responsibilities
2. Provide feedback to funding recommendations submitted by students and faculty.
3. Communication of the progress of the committee to the higher authorities.

### **Members of the Committee:**

A Senior Professor who will chair the committee, co chaired with two professors who are expertise in the research and Development.

### **ENTREPRENEURSHIP DEVELOPMENT CELL**

Under R and D cell, an initiative is done to establish Entrepreneurship Development Cell in the academic year 2016 -17. The objective of this cell is to provide an opportunity for student's community to broaden their knowledge in Industrial expectation, interact with industry experts and to create awareness among students on

how to become potential entrepreneurs. The expected outcome of the cell is that the students will be able to develop leadership skills, entrepreneurial skills, etc.

### **Objectives of EDC:**

- To identify and motivate budding entrepreneurs.
- To facilitate budding entrepreneurs by providing information on entrepreneurial opportunities.
- To assist entrepreneurs in product development.
- To help entrepreneurs to acquire necessary managerial skills to run the industry effectively.

### **Vision for EDC:**

- Our vision is to aid the growth of our society by enabling entrepreneurs with integrity.
- To encourage sustainability of an individual ability and creativity.

### **Mission for EDC:**

- To enable the students acquire the necessary skills for observing the concepts taught in the classroom by solving projects in industries.
- To provide assistance to industry in the area of testing the quality of various products and materials as per the industrial standards.

## **INTELLECTUAL PROPERTY RIGHTS CELL**

IPR cell was constituted at Jansons Institute of Technology in the year 2018 with the objective to create an ambience to nurture new ideas through which innovations and research emerge. It is focused to encourage and preserve the innovative ideas of the faculty and students and stimulate collective growth towards

research and development. Intellectual Property Rights - IPR indicates the specific legal rights of the inventors to hold and exercise Patents, Trademarks, Copyrights, Industrial Designs, etc.

**Functions of the IPR cell includes,**

- To encourage and protect new inventions, designs, software, brand name and other innovative ideas etc. generated through the college.
- To arrange seminars and workshops to educate the faculty and students about IPR.
- To entrust the original ideas of inventions and research by Plagiarism check.

**INSTITUTION INNOVATION COUNCIL**

IIC was constituted at Jansons Institute of Technology in the year 2018 with the objective to inculcate student project ideas, pre-incubation ideas and start-up support from the institute for the betterment of the student's career.

**Objectives of IIC:**

- To enable a energetic local innovation community inside our institution.
- Start-up supporting Mechanism for students projects and innovative ideas from students.
- Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework.
- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas.
- Develop better Cognitive Ability for Technology Students.

**Functions of IIC:**

- To conduct various innovation and entrepreneurship-related activities in time bound fashion.
- Identify and reward innovations and share success stories.

- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peers and national entrepreneurship development organizations.
- Create an Institution's Innovation portal to highlight innovative projects carried out by our institution's faculty and students.
- Organize Internal Hackathons, idea competition, mini-challenges etc. with the involvement of clubs with industries support.

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