

Research & Consultancy Policy Document

1. Introduction

Research & Consultancy is the foundation of knowledge that brings new energy, builds state of the art facilities, promotes research publications and develop collaborations. Research and Consultancy activities create and disseminate new knowledge and promote innovation that motivates better learning and teaching among faculties and students at LLDIMS. LLDIMS Research & Consultancy Policy is formulated to create and support research culture among faculty and students. The policy ensures enhancement of professional competence, promote scientific temper and research aptitudes of all learners. The R & D Cell will enable the faculty and students to pursue research and participate in consultancy works, In this endeavor, this document states the Research & Consultancy policy so that individuals involved in these activities will abide by certain rules and regulations pertinent to research and consultancy.

Vision

To motivate individuals and inculcate multi-disciplinary research and innovative thinking to work in collaborating industry.

Mission

1. To create awareness on evolving technologies and industrial standards for products.
2. Strengthen industry institute interaction.
3. Create opportunities for students to work on research and industrial projects.
4. Generate innovative ideas on societal problems.

2. Objectives of the Research & Development Cell

- To enhance the industry - institute relationship and aid the better product development in quality at reduced cost.
- To pave the way for the utilization of new corners of science to invent new or alternate



technology and healthy solutions to the society at large, particularly to protect the public health and environment.

- To facilitate and encourage the quality publications of the research work and share the results to the entire research community.
- To build relationships through of MOUs for long term relationships with national and international research organizations and industries for widening the scope of research options and funding opportunities for faculty and students.
- To develop, prescribe and administer rules and regulations to ensure the compliance of all researchers to the research quality assurance framework and the research code.

3. Composition of Research & Development Cell

Research Cell will have the following composition

DIRECTOR	- R&D Chairperson
HOD's	- Advisory Board members
Two industry experts	- Advisory Board members
One senior professor	- Central R&D Coordinator
One senior faculty from each Department	- Department R&D Coordinators

4. Research Policy Implementation Mechanism

The Research & Development Cell of the college shall be responsible for implementing the research policy by working closely with the college management. The specific roles and functions of the research cell will be as follows:

1. Conduct R&D Advisory board meeting once in a year with the external members to evaluate the research activities and schedule plan of action for the subsequent year.
2. Provide research facilities in terms of laboratory equipment, research journals aid, research incentives etc. required by the faculty.
3. Assist the faculty in undertaking research with financial support through SEED grant which includes interdisciplinary research.
4. Promote and uphold a research culture (eg. opportunities for acquiring domain knowledge, attending conferences and workshops etc.).



5. Organize workshops/ training programmes to execute research and consultancy works on campus.
6. To assist in Patent filing process
7. To facilitate industry to use the infrastructure of the college and sponsor research projects.
8. Develop and implement an official Code of Ethics to check infringement and plagiarism in research.

5. Promotion of Research

The faculty and students are given freedom to choose the research area of their choice and guidance is given to seek funding from various Government organizations and industries. The institute encourages the faculty by providing incentives for peer reviewed publications, consultancy works, writing books and filing patents

. All the necessary infrastructural facilities and a conducive environment to promote research, consultancy, innovation and intellectual capital are provided. Due to limited resources the college may not be able to fund all the research activities taken up by the faculty and students. It is the responsibility of the faculty to apply for various funding agencies and pursue their research.

6. Seed Funding for Faculty

The Institute shall provide SEED grant to faculty and students for Research Projects with the prior approval of Governing Council. The following are the rules for sanctioning the Research Projects from the Institute:

- a. Project proposals from a single faculty member or a team of faculty members that results in product or technology development are normally for a period of two years and can be extended for one more year if required.
- b. On completion of the project, 2 copies of the final project report on the work



done should be sent to the R&D Cell along with the utilization certificate (UC) and statement of expenditure (SE).

- c. SEED grant will be released to the principal investigator of the project through the Head of the institution.
- d. SEED grant may be utilised for procuring basic infrastructure required for experimenting or pilot study with the approval of Governing Council.
- e. Investigators must acknowledge the institute in reports and technical/scientific papers publishing based on the research work done under the project. Investigators are requested to publish some of the research papers emerging out of the project work in leading National / International Journals.
- f. All the equipment purchased, fabricated prototypes shall be the property of the Institute.

7. Sponsored Research Projects

The faculty can submit Research Project proposals to various funding agencies like AICTE, UGC and DST. The proposals to be submitted are scrutinized at the department level by the Head and Senior faculty of the department before submitting the same to funding agency. The Institute provides all kinds of infrastructure facilities required for conducting a preliminary Research for Project. The funding must be obtained from the organization for which the project is sanctioned. This funding must cover all aspects which include equipment, testing facilities, specialized manpower resources etc. The system to be adopted for conducting the research will be discussed and approval of the Principal is obtained before such an effort is undertaken.

Every department faculty may associate with the Industry for collaborative research, which lead to publications and patents in collaborative with industry. Students, from UG



programs can be involved in the sponsored research projects and can be paid research assistant allowance from sponsored research funding.

8. Collaborative Research & Consultancy Projects

- (i) **Industry Sponsored Research Project:** A public/private sponsored projects can utilize experts of the institution concerned to conduct research. If any patent is registered, then there shall be a sharing of income generated from patenting among the industry, researcher and institute. This will lead to three kinds of benefits:
- The researcher will get an exposure to the concerned area of research.
 - The industry will get solutions to their problem.
 - The researcher, institute and industry can earn money and at the end, the society will be ultimately benefited.
- (ii) **Interdisciplinary Research:** Interdisciplinary research is the order of the day. No department, institution, researcher or scholar can address a research problem in which more than one discipline is involved. It is only when they interact with each other that interdisciplinary research is possible and yields results. Therefore, the Institute has decided to conduct interdisciplinary research activities for which the following actions will be taken:
- Identify the interdisciplinary area.
 - Identify the different experts from concerned disciplines who can work together.
 - Study the requirement of the infrastructure to conduct the concerned interdisciplinary research.
 - Explore possibilities to find resources for such interdisciplinary research.
- (ii) **Inter-institutional Research:** The faculty is encouraged to prepare the proposals in collaboration with well-established research institutes such as IIT's, IIIT's, Central Universities and other colleges having research interest. The faculty may be as Principal Investigator or Co-Principal Investigator depending on the contribution towards the research with the collaborating Institute.



(iii) **Consultancy Projects** : The Institute allows staff to engage in Research, Non-research and/or Private Consultancies provided they do not affect the regular duties. Consultancies shall be undertaken only with the approval of the designated R&D Cell/ Director. No limit is placed on earnings. However there is a limit on the time spent on Consultancy. The sharing of fee for Consultancy and related services offered are as per the following categories.

Category I : Complete use of infrastructure for Projects Completion – This type of projects use major infrastructure available in the college and based on use, the fund is shared equally by the institute and the human resource.

Category II : Partial use of infrastructure for Project Completion – this type of projects use few college resources and accordingly the incentive is paid to college by the consultant.

Category III : No resources of college are used- this type of projects do not require college resources. The consultant need to pay the minimal amount as incentive for permitting the consultant to avail the benefit of flexibility in rendering the services to college.

