

RESEARCH AND DEVELOPMENT

Dhanalakshmi Srinivasan College of Engineering, Coimbatore is devoted to nurture research culture and to promote research in Frontier Technologies. The R&D cell encourages the faculty and also the students to undertake research in emerging areas of Engineering, Technology, Science and Humanities including inter disciplinary fields with highest norms and standards.

Vision

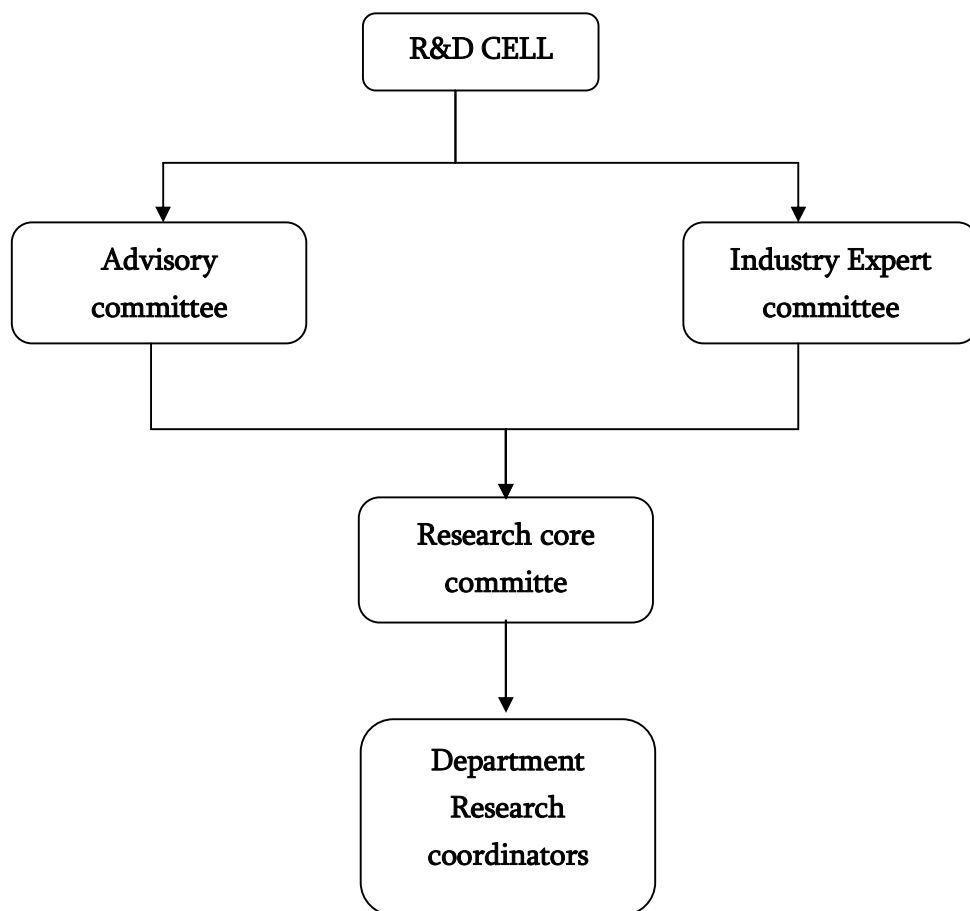
To emerge as a leading research organization to promote quality research using modern technologies and to indulge the needs of industry, society based on innovative ideas into products.

Objective

- Facilitate research culture among the faculty and students.
- Identify industrial needs and incorporate industrial partners for innovative product design.
- Enable a congenial environment for technological development and monitor the research activities of the college.
- Encourage national and international patents on a sustained basis.
- Encourage participation in R&D activities and promote innovative ideas through project expo and journal publication technology transfer and entrepreneurship opportunities.

Research and Development Cell

Research & Development Cell promotes path-breaking solutions to significant problems across industrial sectors, academia and the society at large. The organizational structure of R&D cell incorporates Advisory board members, Industrial Expert members, Research core committee and Departmental research team.



Roles and Responsibilities of R&D cell

1. The Advisory committee and Industrial Expert committee identify the Thrust areas of research and frames roles and responsibilities for the Research core committee and the Department research committee.
2. The research core committee creates awareness on Intellectual Property Rights (IPR) with the help of “Department Research Committee” among faculty members and students.
3. Conducting training session for faculty and students regarding drafting of different Intellectual Property Rights (IPR).
4. Review the policy for faculty consultancy work and research funding.
5. Review of existing policy if any and revise/drafting new policy for publications in journal/conference/books and providing on duty leave to faculty for pursuing PhD work/research work and students for attending workshop/seminar/in-plant training/conference and filing IPRs.

6. Encourage the faculty members to apply for national and international research funding and motivating students to work with faculty for research funded projects with the help of Department Research Committee.
7. Enlightening faculty about various consultancy projects available with industry and involving & motivating students to work with faculty for consultancy projects with the help of Department Research Committee.
8. Guidance to faculty and students about journals, types of indexing, ethics in publications and code of conduct through Department Research Committee.
9. Training faculty and students about the use of Plagiarism software and penalties in case of plagiarism in submission of thesis/dissertation and plagiarism in academic and research publications.
10. Preparing R&D cell news letter and annual magazine and updating website of R&D portal and spreading research culture amongst students and faculty.
11. Maintaining records of research activity carried out by faculty and students in soft and hardcopy through Department Research Committee.

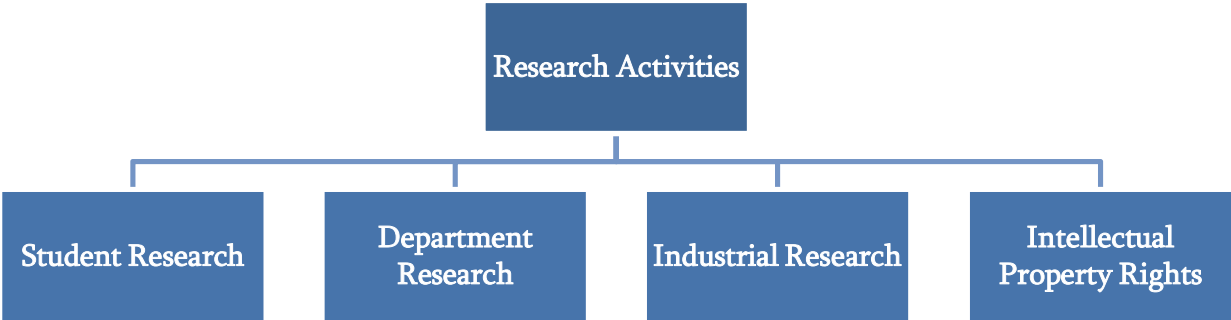
Roles and Responsibilities: Department Research committee

- The Department Research committee collects the funding proposals from faculty members and students and gets approval from Research core committee before submitting to the funding agencies.
- Faculty Research committee should motivate the faculty of their department & create awareness on research article publication ,expert talks and patents
- Formulate events for each semester such as webinars, workshops, seminars, faculty development program and project design contest focusing towards modern research topics.
- Motivate faculty to write effective research proposals for funding agencies.
- Motivate faculty to organize and attend conference/STTP/workshops/ Seminars/Training/ FDP for faculty.
- Motivate Students for Research Activity, Project Presentations, competitions and involve them in multidisciplinary projects.

Policy on Research and Development

- The Research core committee formulates the general policy to reach high quality and world-class research standards.
- To organize workshop, conferences and seminars focusing research and development activities.
- To form interdisciplinary research group and to nurture research culture.
- To facilitate collaborative research projects and activities with government and non- government agencies and other professional bodies.
- To motivate faculty and students to publish research articles at various national and international conferences and journals by providing appropriate financial grants.
- To provide infrastructural facilities to the faculty members in order to facilitate and promote research.
- To encourage publication of books, monographs, research papers etc., by providing financial assistance and infrastructural research ambience.
- To guide Departments in the publication of conference proceedings with ISSN.
- To encourage IPRs and start-ups as an outcome of research and development endeavors.

R&D cell -Research Activities



Student Research

- To be an active member of startup club or innovation club.

- The students are motivated to complete minimum 14 days internship within their period of study.
- Provides support to students as they work with the faculty and staff mentors to finding funding to conduct their research studies and creative activities.
- Motivates students to participate in Hackathon, Techathon events.
- The innovative ideas for project design is cultivated in young minds by attending interactive session with industrial experts and alumni in startup firm.

Department Research

- To develop research culture among the faculty members to take up Research projects and improve their knowledge, skills and qualifications by registering Ph.D's
- To be a part of research cluster for R&D activities in the area of their specialization
- To encourage faculty publication in Scopus/SCI indexed journals, conferences.
- To apply funding proposal and grab research funding from Government and Non - government agencies.
- To facilitate research activity faculty members are motivated to organize programmes related to research promotion scheme.

Industrial Research

Industrial research activity in Dhanalakshmi Srinivasan College of Engineering, Coimbatore is focussed on Industry- Institute Research collaboration to enable training, consultancy and projects specific to Industry requirements.

Intellectual property Rights (IPR) Cell

Intellectual property rights cell has been formed at Dhanalakshmi Srinivasan College of Engineering, Coimbatore provides the platform for imparting knowledge of patents, Copyrights, Geographical Indications and other IPRs to our young generation so they can equip to create innovations and can protect their intellectual Property Rights including their innovation and creativity. The IPR Cell provides a basic knowledge IPR, patent concepts and procedure of filling the patents at national & international level. The IPR Cell provides also a platform to share and discuss the latest development and applications with practical exposure & it helpful for local innovators including faculty members, students and research scholars.

Objective and Activities of the Cell

- To guide & advise researchers and young minds on how to obtain & sustain patents and help them approach patent information centre (PIC).
- To get necessary clearances from competent authorities while filling patents and other IPRs like copyrights registration and design registration, etc. through IPR Advisory panel.
- To organize various IPR awareness programmes in collaboration within the campus involving industry experts.