

About the R&D CELL:

Research and Development (R&D) plays a critical role in the process of innovation. It is primarily an investment and effort in technology and future capabilities which is transformed into new products, processes, and services. Priyadarshini Institute of Science and Technology for Women (PRIW) has taken a quantum leap into Research and Development initiatives in recent years, constantly encouraging faculty and students for out-of-the-box thinking and generating new and revolutionary ideas to bring about societal change.

PRIW Research Centre put in motion proactive applied research to help solve the technical and scientific problems of the industries and defense organizations. It focuses on research areas related to educational research and develop tools and techniques to address the needs of a university, faculty members and prospective students.

PRIW is devoted to enhancing knowledge through research across all academic disciplines. Focus areas include Nanotechnology, Environment, Aerospace and Dynamics, CAD/CAM, CNC Machining, Embedded Systems and Low Power VLSI Digital System Design. Emphasis is also being laid on Business Analytics, Big Data, Cloud Computing, Wireless technology and Multimedia for video, text processing and Next Generation Networks.

Vision:

Empowerment of women in the field of interdisciplinary research, innovation and entrepreneurship activities to meet the global needs.

Mission:

- To achieve excellence in R&D, Technology Innovation and Business start-ups.
- To promotes interdisciplinary culture, ethical conduct of research and compliance among students and teaching community.
- To create foster knowledge and technology transfer by engaging with government agencies, research institutions and industries.
- To produce exceptional scientific results, manage projects and grants, thus enabling an environment by addressing global challenges and encouraging economic progress in the region for the society

Objectives:

- To motivate the faculty and students towards research and innovation.
- To create centers of Excellence in the areas of research and development.
- To work closely with the industrial needs that eventually will result in new or improved products, processes, systems or services that can increase productivity of the industry.
- To foster collaborations for mutual benefits and to maximize Industry - Institute connectivity.
- To establish collaboration with other universities, public and private sectors and identify R&D projects including consultancy services which could be undertaken at the institution.
- To promote research in various departments of the Institute.
- To ensure smooth functioning and effective Management of R&D at the institution.
- To organize and promote skill development trainings in emerging areas to enhance the employability skills of the students.
- To promote self employability skills by conducting various activities under Center for Innovation, Incubation and Entrepreneurship (CIIE).

Priyadarshini Institute of Science and Technology for Women (PRIW) recognized the importance of R&D in the vertical growth of the institution and established the R&D cell to focus on the scientific and industrial research in the various disciplines of Engineering. The PRIW R&D cell is a nominated committee consisting of Professors from various programs of Engineering. The organizational structure consists of Advisor, Chairman, Dean and Coordinators for facilitating the routine functioning of the cell.

Members of R&D CELL

S .No.	Name of the Members	Designation	Role in the Committee	signature
1	Dr.B Gopal	Principal	Chairman	
2	Dr. AMVN Maruthi	Dean (R&D)	Convener	
3	Mr. M. Praveen Kumar	Assistant Professor, ECE	Co-ordinator	
4	Dr P Vijaya Laxmi	HOD, MBA	Member	
5	Dr. CH Ramesh	Assistant Professor, MBA	Member	
6	Mr D Ramesh	HOD ,ECE	Member	
7	Mr I Narasimha Rao	HOD ,CSE	Member	
8	Mr. K. SAMSON	Assistant Professor, CSE	Member	
9	K. Alekhya	Student	Member	
10	N.Indu	Student	Member	

The Roles and Responsibilities of R&D committee are:

- To prepare annual research activity plan for all the departments.
- To establish liaison with near and far industry and identify the technological challenges being faced by them.
- Take up appropriate problems of the industry for finding solutions through R&D projects assigned to faculty and students.
- Explore technological developmental opportunities in common application areas such as transport, traffic regulation, security, healthcare etc. and assign them to faculty and students.

- To initiate and promote MoU with industries and R&D organizations for consultancy, collaborative research, sponsored projects, industry and Institute interactions etc.
- To arrange brainstorming sessions through talks by eminent personalities from industry, R& D organizations and institutions of repute for the better understanding of research methodology and practices currently followed.
- To support faculty for delivering talks at different events and conducting workshops, training programs, seminars, conferences, symposia and faculty development programs.
- To keep everyone informed about announcements by various funding agencies like DST, DAE, DRDO, ISRO, CSIR, AICTE, UGC and University etc.
- To motivate students for presenting papers in National and International conferences and projects in competitions and exhibitions like AVISHKAR at university level. Interdepartmental / collaborative work to be encouraged.
- To monitor progress of the research and development activity.

Recommendations of Committee for implementation and their Impact are:

- Publications in Research Journals.
- Research Proposals for different funding agencies.
- Participation and Organizing Conferences, Workshops and STTP/FDP.
- Participation in Collaborative Research work, e.g. VAP /Industrial Training.
- Encouragement for Higher Education.
- Signing MOU with Industries and Research Organization.

Initiatives taken to inculcate the spirit of research amongst faculty and students are as Follows

Following Research Policy was framed.

- Incentives are provided for publications.
- Facilities such as flexibility in timings, use of laboratories etc are extended to faculty as per requirement.
- Implementing a policy for distribution of testing and consultancy charges to motivate faculty for providing consultancy.
- Faculty with an aptitude for research is identified.
- An initiative is taken by Library to help researchers in understanding recent updates of their publications in terms of citation index, h-index, etc.
- In house Project development.