

Advanced Research Opportunities

The institution is committed to fostering a vibrant research ecosystem that promotes innovation, critical thinking, M. Tech and Ph. D. Programmes and interdisciplinary collaboration. With a strong focus on cutting-edge technologies and societal relevance, the institution provides students and faculty with extensive **Advanced Research Opportunities** that nurture scientific temperament, critical thinking, and problem-solving skills. Through well-equipped laboratories, funded research projects, industry collaboration, and global academic partnerships, the institution encourages original research, technology development, and knowledge creation across all engineering disciplines.

Research Ecosystem

- State-of-the-art research laboratories and centres of excellence.
- AICTE IDEA Lab and innovation infrastructure.
- Advanced computing and simulation facilities.
- Access to international journals, databases, and digital libraries.
- Research incubation and prototype development support.

Research Domains

- Artificial Intelligence, Machine Learning, and Data Science.
- Renewable Energy and Sustainable Technologies.
- Electric Vehicles and Battery Technology.
- Advanced Manufacturing and Industry 4.0.
- Smart Infrastructure and Urban Technologies.
- Robotics, Automation, and Mechatronics.
- Internet of Things and Embedded Systems.
- Materials Science, Nanotechnology and Composites.

Research Opportunities for Students

- Doctoral Research Programs in all branches of Engineering, Basic Sciences, Computer Applications and Management.
- Undergraduate and Postgraduate Research Programs.
- Sponsored research and consultancy projects.
- Summer and winter research internships.
- Innovation and product development challenges.
- Patent filing and IPR support.
- Research-based final year projects.

Research Collaboration

- Sponsored projects from government and industry.
- MoUs with national and international universities.
- Joint research with IITs, NITs, and leading research institutions.
- Industry-funded research laboratories and Centre of Excellences.
- International and National exchange and joint publication programs.

Research Support & Funding

- Seed funding for faculty and student research.
- AICTE, DST, SERB, DRDO, ISRO, and MNRE funded projects.
- Innovation and start-up grants.
- Support for conference participation and research paper publication.