

R & D CELL

OBJECTIVE:

- To put into action a strategy plan intended to create research activities at the Institute that are acknowledged by peers and contribute significantly to knowledge advancements.
- Achieving these objectives requires developing a collective culture that respects individuals and fosters leadership within a pleasant workplace built on cooperation, communication, and coordination.

FUNCTIONS:

- To encourage and hasten the completion of high quality research projects both inside the college and in partnership with industries other institutions, and R & D organizations.
- To establish a culture of research within the College and to provide an effective and efficient support structure to aid teachers and researchers in their research efforts.
- Ensure articles in high impact factor journals from Scopus and SCI.
- To promote a setting where socially relevant research can be done with an eye toward commercialization.
- Meeting the unique requirements of Industry for the development of Products/Processes.
- Create centres for excellence in research within the college.

AREA OF RESEARCH FOR MECHANICAL ENGINEERING

1. Production Engineering
2. Aerodynamics and Fluid Mechanics
3. Heat transfer and Energy System
4. Design and Manufacturing
5. Vibrations, Acoustics and Fluid-Structure Interaction

AREA OF RESEARCH FOR CIVIL ENGINEERING

1. Construction Management
2. Geotechnical Engineering
3. Civil Engineering Materials
4. Structures
5. Transportation And Water Resources.

AREA OF RESEARCH FOR COMPUTER SCIENCE ENGINEERING

1. Data Mining And Data Warehousing
2. Data Science and Analytics.
3. AI & ML.
4. IOT

AREA OF RESEARCH FOR ELECTRICAL ENGINEERING

1. Power Electronics And Electric Drives
2. Power System Engineering
3. Renewable Energy
4. Energy Systems

AREA OF RESEARCH FOR ELECTRONICS AND COMMUNICATION ENGINEERING

1. Communication System
2. Signal Processing
3. Wireless And Microwave Communication
4. RF Sensors And Radar Systems