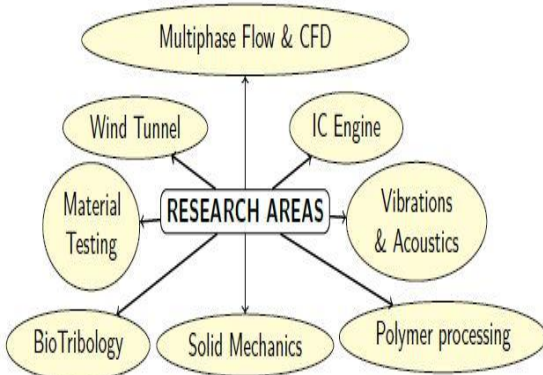


## Department of Mechanical Engineering

- International & National Collaborations
- Good number of External Funding
- Developed lab facilities for research & academic purposes
- Number of good quality publications
- Ph. D students, and BTech. students are doing post-docs, and M.S. & Ph.Ds, respectively in reputed institutes in USA, UK, Europe, Singapore etc
- Regular participation of SAE club in BAJA & SUPRA competitions
- Excellent placement record in core companies

### RESEARCH



#### Major Thrust areas

- *CFB Boiler and Microchannel with Nanofluids, Turbulence modelling*
- *High-Lift Low Reynolds Number Airfoil*
- *Fatigue and Fracture, Material Science & Coating*
- *BioTribology and Solid Mechanics*
- *Rotational Moulding of Plastics*
- *Machine Dynamics, Vibration analysis of perforated plates and Acoustic Analysis of Indian Classical Musical Instruments*
- *Combustion Analysis of PG Fueled IC Engine and Investigations on Performance of Biodiesel Powered Diesel Engine*

### PUBLICATIONS & PhD SCHOLARS

- In last 10 years, around 100 Journal Papers published, out of which around 75% papers published in SCI/Scopus Indexed Journals of publishers such as ASME, Elsevier, IMechE, Springer etc, 12 Book Chapters & 1 Book published, 3 Patents filed.
- In last 2 years, One Journal Paper (SCOPUS/SCI Index) & 1.5 Conference Papers published per Faculty per Year
- Current strength of PhD students 22 out of which 6 students are working as SRF/JRF. Doctoral degree awarded to fourteen students.

### RESEARCH FUNDING

#### Present Status

- Funding Agencies: SERB-DST, UGC, ISRO, Ministry of Mines, TIIL, DUCOM, Lockheed Martin, ABSTC etc.
- Total Funded Projects from External Funding Agency (Ongoing) = 6
- Total Funding from Ongoing Projects = 1 Crore 55 Lakhs
- Total Funded Projects from External Funding Agency (Completed) = 6
- Total Funding from Completed Projects = 1 Crore 31 Lakhs.
- Submitted Projects (Under Review): 5 (worth Rs. 7 Crore 25 Lakhs)

