

Department of Mechanical Engineering

Research Expertise List

Sl. No.	Research Area	Name of Faculty
1.	Thermal Engineering, Applications of Computational Fluid Dynamics	Dr. S.L.Sinha
2.	Thermal, Energy	Dr. R.K.Yadav
3.	Solid Mechanics, Composite, Vibration	Dr. N.K.Jain
4.	Enterprise Resource Planning Knowledge Management E-Waste Management Decision making tools and techniques	Dr. S.K.Mukti
5.	Heat Transfer Applications, Solar Thermal Applications, Passive heating and cooling, Refrigeration and Air Conditioning	Dr. V.K.Gaba
6.	Industrial Engg, Supply Chain Management, Optimization	Dr. A. R. Singh
7.	Design, Computational Solid Mechanics, Dynamics	S. Bhattacharya
8.	Composite Materials, Functionally Graded Materials, Tribology, Additive Manufacturing, Mechanical Characterization, Modelling and Optimization	Dr. G.Srinivasu
9.	Arc Welding, Natural Composite Materials and Machining operation	Dr. H.K.Narang
10.	Thermal Comfort, Two-phase material, Heat Transfer	Dr. Nisha Netam
11.	Composite Materials Material Development Functionally Graded Material Electroactive Polymers Dielectric Elastomers Dielectric Elastomer Transducers (Actuators, Sensors and Generators)	Dr. R.K.Sahu
12.	Advanced Manufacturing Processes, Computer Aided Manufacturing, Additive Manufacturing, Automation & Virtual Instrumentation, Production Management.	Dr. M.S.Rajput
13.	Composite Structures, Smart Damping, Finite Element Analysis	Dr. R.S.Kumar
14.	Advance Manufacturing Process Additive Manufacturing Surface Modification/Surface Texturing Green Composites. Machining of metallic and polymer materials CAD/CAM Modeling of Thermal Systems Multi Criteria Decision Making Methods (MCDM) Optimization Techniques	Dr. Jagadish