Specialization	Faculty Members who	Areas of Research
	are working in the	
	mentioned	
Machina Dasign	specialization	Machina Dasign, Vibratians, Salid Machanias, Data drivan
Machine Design	D Chakraborty	material modelling: Modelling of heterogenous materials
	Satuajit Panda	Rehabilitation Robotics: Robotic Neurorehabilitation:
	Sachin Gautam	Quantum Computing in Computational Mechanic; Multi-
	Shyamanta Hazarika	Disciplinary Design and Optimization; Operations
	Uday Divit	Research; Multiscale Modelling of Composites;
	Binku Kumar Mittal	Micromechanics and Homogenization; Application of
		Machine Learning in Material Modelling; Rotor Dynamics;
	Tarkes Dora Pallicity	Condition Monitoring of Machinery; Polymer Composites;
	Deepak Sharma	Maintenance: Generative Design: Digital Twin in Machine
	Poonam Kumari	Design: Electromagnetics: Eunctionally Graded Material
	Raiiv Tiwari	Fabrication: FEM in Acoustics. Electromagnetics and
	Arup Nandy	Structures; Structural Optimization.
	Santosha Dwivedy	
	Poonam Kumari	
Manufacturing		Manufacturing Engineering: Metal Additive Manufacturing
and Materials	Uday Dixit	Technologies; CAD / CAM; Mechanical metamaterials;
	Manas Das	Impact energy absorbing materials; Metallurgy of 3D-
	Rinku Kumar Mittal	printing; Natural Fiber Reinforced Composites; Polymer
	Subramani Kanagaraj	Composites; Repairing of underwater structures using
	Swarup Bag	composites; AI and ML in Machining Processes; Modelling
	Pankaj Biswas	of Manufacturing Processes; Digital twin in manufacturing;
	Prasenjit Khanikar	Composite Machining; Additive Manufacturing;
	Sukhomay Pal	Dynamics in machining processes. Welding.
	Deepak Sharma	Micromachining and micromanufacturing; Sustainable
	Sajan Kapil	material design; Laser based manufacturing processes;
	Ujendra Kumar	Automation in manufacturing.
	Komal	
	Senthilvelan Selvaraj	
	Sukhomay Pal	
	S N Joshi	
Fluids and Thermal		Fluid Mechanics; Thermal Engineering; Heat Transfer; Experimental investigation of flow-induced vibrations and
	Dipankar Basu	its application in renewable energy; Development of in-
	Amaresh Dalal	house sensors for flow measurements; Numerical
	Atul Kumar Soti	Acoustofluidics: Magnetohydrodynamics (MHD)
	Pranab Mondal	Turbulence: Direct Numerical Simulations (DNS) and Large
	Bhaskar Kumar	Eddy Simulations (LES); Fusion Energy Generation;
	Arnab De	Tokamak Plasma Dynamics; Fluid Structure Interaction
	Niranjan Sahoo	with rigid body collision; DNS and LES of turbulent shear
	Vinodh Kumar	flows using immersed boundary method; Turbulent
	Bandaru	Rayleigh-Benard convection over rotating rough surfaces;
		Active and passive flapping of thin plates with the aim of
		Studying Sen-propened regime; Computational Fluid Dynamics (CED): Experimental Fluid Dynamics: Multiphase
		Flows; Biomicrofluidics: Finite Element Analysis in
		Multiphysics; Structure; Acoustics; Turbulence; Fluid-
		Structure Interaction; Flow-Induced Vibration.