B.Tech. in Engineering and Computational Mechanics

The students will be exposed to fundamental aspects of mechanics including emerging areas like Bio mechanics, Nano mechanics, Multiscale modeling, Machine learning and AI.

KEY COURSES:
- Fluid Mechanics
- Solid Mechanics
- System Reliability
- Dynamics of Mechanical Systems
- Continuum Mechanics and Constitutive Modeling
- Physics of Turbulent Flows
- Computer Aided Design
- Finite Element Methods
- Computational Fluid Dynamics
- Machine Learning in Mechanics
- Bio Mechanics, Soft Robotics
- High Performance Computing
- Multi-Scale Modeling and Computation
- Smart Materials and Structures
- Experimental Methods
- Hydrodynamic Stability

Machine Learning / AI applications
- Solid Mechanics
- Fluid Mechanics
- Computational Mechanics
- Marine Engineering
- Soft Robotics
- Bio/Nano Mechanics
- Smart Materials & Structures
- Experimental Methods
- Hydrodynamic Stability

PROSPECTIVE RECRUITERS
- John Deere, Bosch, GE, Ansys, Honda, Altair, GM
- Schlumberger, Boeing, Mahindra, Siemens
- Mercedes-Benz, L&T, Bajaj, Cummins, Hero
- Ashok Leyland, Indian Oil, ISRO, Tata Motors

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