



A unique 4 year Bachelor's program by the Department of Applied Mechanics, IIT Delhi

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

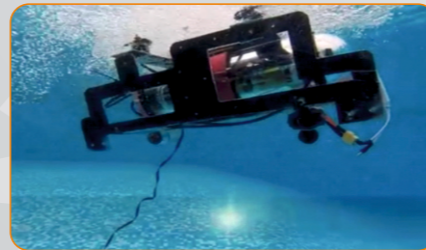
Multi-Scale Modeling and Computation

Smart Materials and Structures

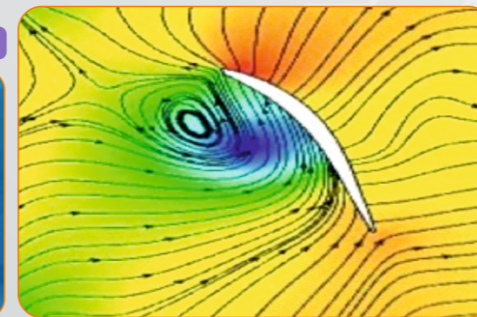
Experimental Methods

Hydrodynamic Stability

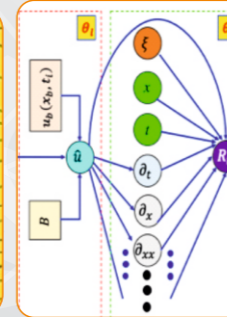
Autonomous Underwater Vehicle



CFD simulation of flow past a turbine blade



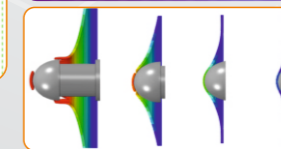
Neural Networks



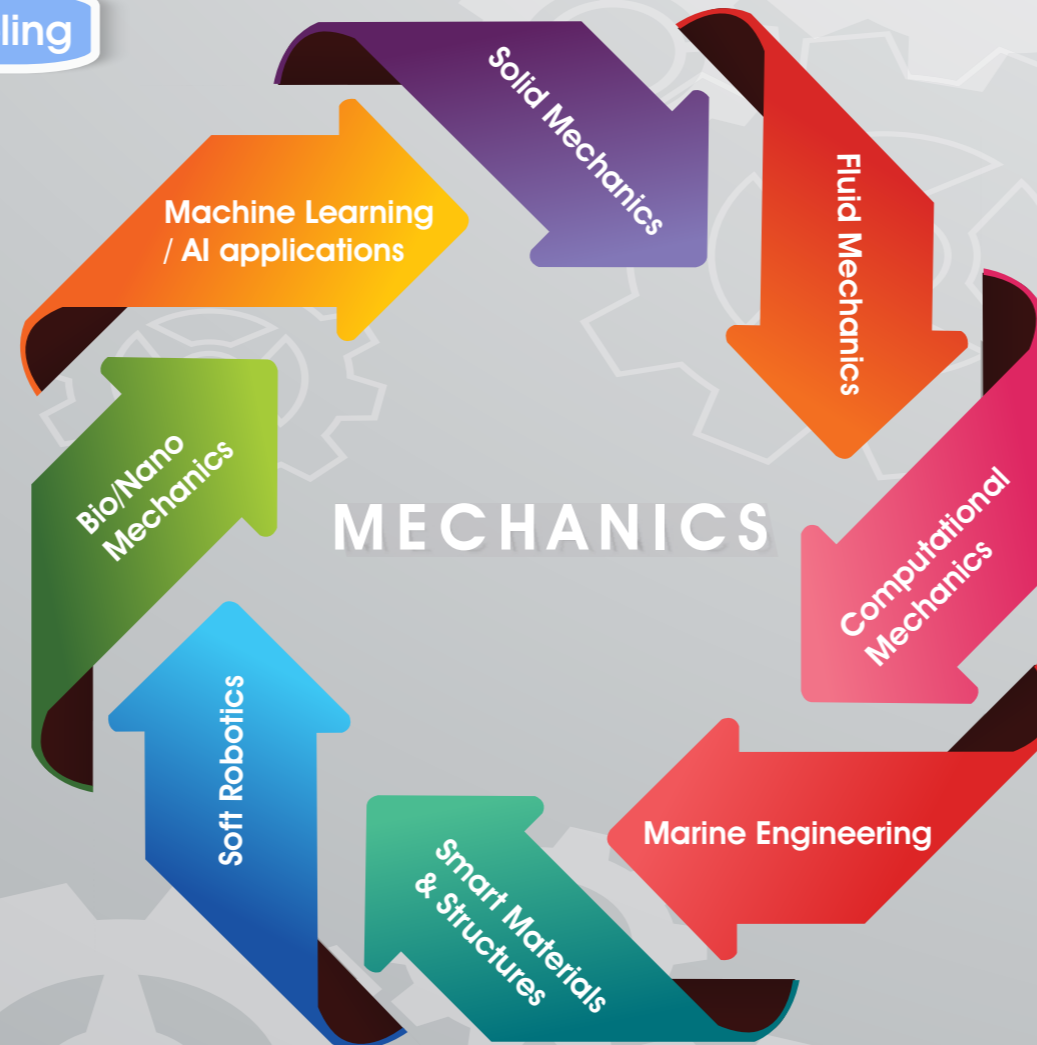
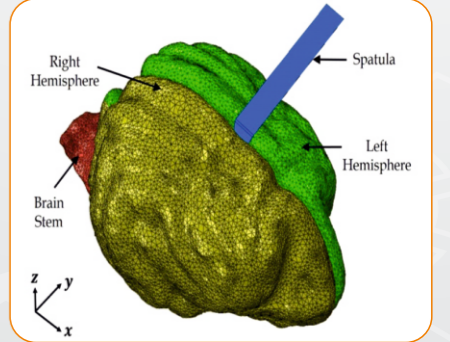
Supercoiling in circular DNA modeled as elastic rod



Perforation by a hemispherical projectile



Brain retraction during neurosurgery



## 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