



JADAVPUR UNIVERSITY

Civil Engineering Department

Vision and Mission of the Department

Vision of the Department:

The department is committed to excellence in engineering education, research, and public service so as to ensure sustainable prosperity and quality of life

Mission of the Department:

- To develop requisite potential for becoming highly proficient Civil Engineering professionals, and to render them ready for industry, further study and life-long learning
- To foster necessary intellectual growth of the students so that they would become productive citizen to dedicate their service towards humanity
- To provide a dynamic process of learning environment that emphasizes open-ended design, problem-solving skills, team work, communication, leadership skills and dignity
- To groom the learners as highly capable pool of human resource for taking up new challenges and negotiating ventures for building up a sustainable world
- To nurture a diverse community of scholars, who, through motivation and acquaintance of knowledge, are prepared to lead management and decision-making both inside and outside the realms of Civil Engineering

Program Educational Objectives:

Graduates shall be able to

- **PEO 1:** Contribute actively in a professional career as civil engineer or pursue advanced studies in diverse fields of engineering and management
- **PEO 2:** Integrate and employ their knowledge of science, mathematics, and engineering in civil engineering practice, research, and management as well as other professional fields such as arbitration, finance
- **PEO 3:** Lead organizations that focus on advanced problem solving for complex systems in multidisciplinary settings
- **PEO 4:** Remain ethically engaged in a wide variety of organizations or start-up activities that require a diversity of thought, creativity, and curiosity to meet the challenges posed by a the rapidly changing world

Program Specific Outcomes (PSO)

PSO1: Industrial Interaction: Develop management and leadership quality through industrial exposure

PSO2: Creating Social Awareness: Acquire and disseminate knowledge continuously to resolve real-life Civil Engineering problems to ensure wellbeing for community

PSO3: Optimum Resource Utilisation: Optimize and recycle resources while planning Civil Engineering Projects