

## DEI, FACULTY OF ENGINEERING

### Civil Engineering Department

## DEPARTMENT VISION AND MISSION

### Vision

To become a leading Civil Engineering Department by fostering a collaborative and stimulating environment of academic and research excellence with the goal of selfless service to humanity.

### Mission

<b>Mission Statement</b>	<b>Mission Components</b>
M1	<b>Academic and Research Excellence</b> To integrate education, inter-disciplinary & multi-disciplinary research and technological advancements for developing outstanding engineers well versed in the theory and practice of civil engineering.
M2	<b>Systems Approach and Total Quality Management</b> To follow a holistic approach based on excellence, creativity and innovation that ensure competence with exposure to emerging areas.
M3	<b>Collaboration</b> To provide opportunities through interactions and engagements with premier institutes, government bodies, industry and society for moulding the next generation of visionary academicians and industry leaders in broad and specialised areas.
M4	<b>Ethics and Values</b> To uphold the highest moral and ethical standards, human values, quality and attributes that inculcate dignity of labour, discipline, hard work, selfless service, self-reliance, humility, and a spirit of Fatherhood of God and brotherhood of man.
M5	<b>Social Responsibility and Sustainable Development</b> To serve the community and the nation through intellect and optimal use of resources, empowering the weaker and under-privileged sections, and to build the economy through research and frugal innovation, anchored in the principle of achieving more with less.

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**B.TECH CIVIL ENGINEERING PROGRAM**

**Program : B.Tech in Civil Engineering**

**Program Educational Objectives (PEO)**

PEO1	To provide a solid foundation in Basic Sciences, analytical skills and engineering fundamentals required to succeed in engineering field and to pursue research endeavors.
PEO2	To provide broad-based exposure to the state of the art in Civil Engineering discipline and make the students industry ready.
PEO3	To prepare students to respond to societal needs through an understanding of the Rural ethos, Indian Culture and plurality of ethnic and religious communities in the country at large.
PEO4	To train students with good scientific and practical engineering application skills to comprehend, analyze, design and create novel engineering products.
PEO5	To encourage students to develop lifelong learning skills, entrepreneurship abilities and ethical values for a successful professional career.

**Program Specific Outcomes (PSO)**

PSO1	Graduates will have a broad exposure to all important sub-domains of civil engineering with scope for specialization in Architecture Technology or Computer Science streams.
PSO2	Graduates will have the breadth of knowledge and practical skills to solve practical problems in Civil Engineering through investigation, research, surveying, modelling, analysis, design, testing, construction and operation.
PSO3	Graduates will have high emotional and spiritual quotient and value based outlook on life as envisioned by the education policy of Dayalbagh Educational Institute