Department of Civil Engineering

VISION OF THE DEPARTMENT

To be a hub of excellence in Civil Engineering education keeping in pace with the latest technology, fostering innovation and sustainable solutions for global challenges.

MISSION OF THE DEPARTMENT

M1 - Provide top-notch civil engineering education to make our students experts in their field.

M2 - Use the latest technology and tools to keep our curriculum up-to-date.

M3 - Encourage creative solutions and new ideas to tackle global challenges in civil engineering.

M4 - Focus on teaching methods and projects that promote environmental sustainability and responsible engineering practices.

PEOs–PROGRAM EDUCATIONAL OBJECTIVES

PEO1

Diploma graduates will have a solid foundation in civil engineering principles and practices, enabling them to apply technical knowledge effectively in designing, analysing, and managing civil engineering projects.

PEO2

Diploma graduates will possess strong problem-solving skills, allowing them to address complex engineering challenges through innovative solutions, critical thinking, and practical application of engineering principles.

PEO3

Diploma graduates will demonstrate professional competence by working effectively in multidisciplinary teams, communicating clearly with stakeholders, and adhering to ethical standards and best practices in civil engineering.

PEO4

Diploma graduates will engage in lifelong learning and professional development to stay updated with current advancements in civil engineering technology, practices, and regulations.

PO1. Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

PO2. Problem analysis: Identify and analyses well-defined engineering problems using codified standard methods.

PO3. Design/ development of solutions: Design solutions for well-

defined technical problems and assist with the design of systems components or processes to meet specified needs.

PO4.Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

PO5.Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

PO6. Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

PO7. Life-long learning: Ability to analyses individual needs and engage in updating in the context of technological changes

PSOs- PROGRAM SPECIFIC OUTCOMES

PSO1: Application of Civil Engineering Principles

Diploma Graduates will be able to apply fundamental civil engineering knowledge and skills to design, construct, and maintain infrastructure projects using modern software's.

PSO2: Proficiency in Modern Tools and Project Management

Diploma Graduates will demonstrate proficiency in using modern tools and technologies for surveying, designing, and managing construction projects adherence to budgetary constraints.