

K K POLYTECHNIC

Department of Civil Engineering

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 softwares.

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.

PEOs- PROGRAM EDUCATIONAL OBJECTIVES

PEOs	STATEMENTS
PEO1	Diploma graduates will have a solid foundation in civil engineering principles and practices, enabling them to apply technical knowledge effectively in designing, analyzing, 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 with current advancements in civil engineering technology, practices, and regulations.

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Department of Mechanical Engineering

PSO- PROGRAM SPECIFIC OUTCOMES

PSO 1: Application of Mechanical Engineering Principles

Diploma Graduates will be able to apply fundamental Mechanical engineering knowledge and skills to design, construct, and maintain industrial projects using modern software

PSO 2: Proficiency in Modern Tools and Project Management

Diploma Graduates will demonstrate proficiency in using modern tools and technologies for Analysis, Manufacturing and Designing projects adherence to budgetary constraints.

PEOs- PROGRAM EDUCATIONAL OBJECTIVES

PEO	STATEMENTS
PEO1	To impart strong educational foundation in the field of Mechanical Engineering for successful career in industry and higher education.
PEO2	To provide technical skills and resources to design, analyze and create innovative solutions for engineering problems in multidisciplinary work environment.
PEO3	To inculcate leadership qualities, ethical attitude and competence to excel individually and work with teams in lifelong learning.

OUTCOME BASED EDUCATION(OBE)

PROGRAM OUTCOMES (POs)

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 analyse 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 analyse individual needs and engage in updating in the context of technological changes

K K POLYTECHNIC

DHANBAD

VISION AND MISSION STATEMENT

VISION OF THE INSTITUTE

To create a collaborative academic environment to foster professional excellence and ethical values in the digital arena, delivering socially responsible citizens to become a university and entrepreneurial hub.

MISSION OF THE INSTITUTE

- 1. To provide high-quality education and develop student's abilities so that they are prepared for the future.**
- 2. To develop an environment for sharing and exchange of resources globally for lifelong learning.**
- 3. To foster innovation and research by providing a stimulating learning environment.**
- 4. To impart morals and values in order to create**