

Agnihotri College of Engineering

Nagthana Road, Wardha

Department of Civil Engineering

PROGRAMME OUTCOMES (POs)

POs	KEYWORDS	PROGRAM OUTCOMES
P01	ENGINEERING KNOWLEDGE	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
P02	PROBLEM ANALYSIS	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
P03	DESIGN/ DEVELOPMENT OF SOLUTIONS	Graduates will have the ability to design electrical systems, components, or processes to meet specific requirements while considering economic, environmental, social, ethical, and safety factors.
P04	CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS	User research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
P05	MODERN TOOL USAGE	Graduates will be skilled in using modern engineering tools, software, and equipment necessary for electrical engineering practice.
P06	THE ENGINEER AND SOCIETY	Graduates will understand the impact of electrical engineering solutions in societal and global contexts, and demonstrate awareness of contemporary issues and responsibilities.
P07	ENVIRONMENT AND SUSTAINABILITY	Graduates will have the knowledge and understanding of sustainable development principles and practices in the design and implementation of electrical engineering solutions.
P08	ETHICS & PROFESIONALISM	Graduates will adhere to ethical principles and norms of the engineering profession, demonstrating integrity, accountability, and a commitment to professional standards.
P09	INDIVIDUAL AND TEAM WORK	Graduates will be able to work effectively as individuals and as part of multidisciplinary teams, demonstrating leadership, communication, and collaboration skills.
P010	COMMUNICATION	Graduates will be proficient in oral, written, and visual communication of technical concepts and ideas to diverse audiences.
P011	PROJECT MANAGEMENT AND FINANCE	Graduates will have the ability to manage projects efficiently, including planning, organizing, and executing tasks, and demonstrate entrepreneurial skills to identify opportunities and innovate in the field of electrical engineering.
P012	LIFE-LONG LEARNING	Graduates will recognize the importance of lifelong learning and continuously update their knowledge and skills to adapt to technological advancements and changing industry needs.