AGNIHOTRI COLLEGE OF ENGINEERING, WARDHA

Department of Basic Science And Humanities

FIRST SEMESTER

PROGRAMME OUTCOMES (POs)

POs	KEYWORDS	PROGRAM OUTCOMES
PO1	Engineering knowledge	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specializat engineering problems.
PO2	Problem analysis	Identify, formulate, review research literature, and analyze complex engineering problems reaching subst principles of mathematics, natural sciences, and engineering sciences
PO3	Design/development of solutions	Design solutions for complex engineering problems and design system components or processes that appropriate consideration for the public Health and safety, and the cultural, societal, and environmental cons
PO4	Conduct investigations of complex problems	Use research-based knowledge and research methods including design of experiments, analysis synthesis of the information to provide valid conclusions.
PO5	Modern tool usage	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools includi complex engineering activities with an understanding of the limitations.
PO6	The engineer and society	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cult responsibilities relevant to the professional engineering practice.
PO7	Environment and sustainability	Understand the impact of the professional engineering solutions in societal and environmental contexts, and and need for sustainable development.
PO8	Ethics	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering
PO9	Individual and team work	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary se
PO10	Communication	Communicate effectively on complex engineering activities with the engineering community and with soci to comprehend and write effective reports and design documentation, make effective presentations, and give
PO11	Project management and finance	Demonstrateknowledge and understanding of the engineering and management principles and appl member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	Life-long learning	Recognize the need for, and have the preparation and ability to engage in independent and life-long lear technological change.



ation to the solution of complex

ostantiated conclusions using first

t meet the Specified needs with nsiderations

is and interpretation of data, and

iding prediction and modeling to

ultural issues and the consequent

nd Demonstrate the knowledge of,

ng practice.

settings.

ociety at large, such as, being able ve and receive clear instructions.

oply this tone's own work, as a

earning in the broadest context of