

PROGRAMME OUTCOMES (POs):

Graduates of the programme M E Soil Mechanics Foundation Engineering will be able to

PO1	Knowledge of Engineering Sciences	Apply the knowledge of mathematics, science and engineering fundamentals to the conceptualization of Geotechnical Engineering models
PO2	Problem analysis	Identify, formulate and solve Geotechnical Engineering problems
PO3	Design / development of solutions	Design solutions for complex Geotechnical Engineering problems and design systems, components or processes that meet specified needs with appropriate consideration of safety and economy
PO4	Investigation	Extract information pertinent to geotechnical engineering problems through literature survey, apply appropriate research methodologies, analysis and interpretation of data, and synthesis of information to provide valid conclusions
PO5	Modern Tool Usage	Create, select and apply appropriate techniques and modern engineering tools including prediction and modelling software, with due understanding of the limitations.
PO6	Individual and Team work	Function effectively as an individual and as a member or leader in diverse teams and in multi-disciplinary settings and demonstrating a capacity for self-management and teamwork, decision-making based on open-mindedness, objectivity and rational analysis.
PO7	Communication	Communicate effectively on Geotechnical Engineering issues with the engineering community and with society at large, and write reports and make effective presentations.
PO8	Engineer and Society	Demonstrate understanding of the societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to Geotechnical Engineering practice.
PO9	Ethics	Understand and commit to professional ethics and responsibilities of Geotechnical Engineers and to contribute to the society for sustainable development.
PO10	Environment and Sustainability	Understand the socio economic impact of Geotechnical Engineering solutions and demonstrate knowledge of sustainable development
PO11	Project Management and Finance	Demonstrate a knowledge and understanding of management, business practices and understand their limitations
PO12	Life Long Learning	Develop ability to engage in independent and life-long learning to improve competence by critical examination of the outcomes of one's actions in addressing geotechnical engineering issues and learning from corrective and preventive measures.