

M.Tech. in GEOTECHNICAL ENGINEERING

Started in 1966 with 10 seats and now the intake is 18.

Programme Educational Objectives (PEOs)

PEO1: Provide graduates with a sound foundation in mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyze the problems related to diversified field of Geotechnical Engineering.

PEO2: To impart in-depth knowledge in Geotechnical Engineering and update the same, existing and updated technology in global perspective.

PEO3: Graduates shall possess ability for independent judgments based on critical analysis and also synthesis of information for extensive research in the area of geotechnical engineering.

PEO4: To guide the graduates for developing knowledge for preparing experimental setup for modeling of geotechnical Engineering problems with the necessary information and synthesize the data obtained through field and laboratory tests.

PEO5: Create awareness among the graduates for the use of state of the art professional software.

PEO6: To mould the graduates conceptualize so that they obtain feasible and optimal solution for Geotechnical Engineering problems considering societal and environmental requirements.

PEO7: To provide a well-rounded education that includes the ability to work as a team, an appreciation for ethical behaviour and the ability to engage in lifelong learning.

Programme Outcomes (POs):

PO1: Graduates shall have knowledge of mathematics, science and engineering to analyze Geotechnical and foundation engineering problems.

PO2: Graduates shall have the ability of critical thinking based on scientific approach coupled the art of obtaining optimal solutions to the complex geotechnical problems.

PO3: Graduates shall have knowledge of investigation techniques and modern tools to obtain design data and simulate the field problems in mathematical model or experimental work.

PO4: They will function as a team leader or a member for engineering projects of multidisciplinary nature.

PO5: They will have practical approach to resolve geotechnical problems with optimal resource use conducive to local circumstances without compromising technicality.

PO6: They will demonstrate their ability to express their knowledge by writing technical reports and papers and sharing experience with engineering fraternity.