

SYLLABUS :-

Types of offshore structures-fixed and floating platforms; General design considerations-selection of physical parameters; Offshore site selection-survey methods; Environmental loads-wind, wave, current and earthquake loads; Buoyancy and stability of offshore platforms; Load out & launching and upending of steel jacket structures; Transportation and installation of platforms; Mooring systems and Buoys-hydrodynamics load calculation and structural response, Offshore pile foundations and soil mechanics; Gravity structure foundation and design aspects; Dynamic analysis of offshore structures; structural reliability and safety of platforms; Regulatory requirements; Materials used in offshore structures.