MIT-WPU School of Civil Engineering-

Sub-Sea Engineering

MIT World Peace University, Pune-India, has created unique laboratory for studies and research related to `Sub-sea engineering `. The laboratory is set up in collaboration with Aker Solutions, the Norwegian, Oil and Gas Company, which has its Design office in Pune.

School of Civil Engineering has created the elective course in `Sub-sea engineering since last five years. The course is taught at under graduate and Post Graduate – structural and Tunnel engineering level. The scope of this subject is wide to develop the student for under water structural design, understand functions of different subsea components, their construction and use, design of different special subsea components, design of piping system under sea water, construction management offshore infrastructure projects. The `sub-sea laboratory provides unique facility to undertake experiments related to piping engineering, hydraulic flow, geological strata under sea bed, Features and properties of geological strata , environment, construction safety while working at sea bed level. This laboratory encompasses inter disciplinary experiments carried out at Subsea laboratory by Civil Engineering, Mechanical Engineering, Petroleum Engineering and Chemical engineering students. The laboratory equipment, which simulates the oil extraction process from sea bed through various robotic operations are unique feature of this laboratory.

The study of this subject plays important role in placement and employment of students by oil and gas sector. This is the only facility for laboratory work in oil gas industry, around Asia.

The experts from Aker solutions are involved in internships, and support for research work in subsea engineering.