

## **CONSTRUCTION EQUIPMENT AND METHODS II**

3-0-0-0-5

The emphasis of the course is on construction equipment and the construction methods relevant for infrastructure creation. Initially, the course introduces different types of infrastructure viz, transportation, irrigation and water supply, power, and buildings. Subsequently the course delves into various components of infrastructure along with their specific requirements will be explained. Common elements across the infrastructure types will be introduced. Building on the knowledge from the general civil engineering courses, the course focuses on recent developments, equipment, practices, and issues in Tunnelling and Underground Construction, Foundations, Highways, Railways, Irrigation structures like dams and canals, Pipelines, Airports, Harbours, and Ports. Besides the broad principles involved, specifications and quality requirements, and productivity and cost issues will also be addressed.