

AR723 **CONSTRUCTION AND PROJECT MANAGEMENT** (2-0-0)

Objectives: To enable the students to understand the project management techniques.

Module-1

Introduction to construction industry-significance, objectives and function, types, resources, stages, construction team, types of drawings, construction contracts and specifications, construction planning-stages and scheduling, building practices and the current management system.

Module-2

Project estimating, Project planning and project scheduling – Traditional methods, Network analysis, Critical path method and PERT analysis.
Project time reduction and optimization, resource leveling, project time, cost and finance management.

Module-3

Computer application of project scheduling and management, operation research principles, risk management and finance management.