

GUJARAT TECHNOLOGICAL UNIVERSITY
M E (Civil) CONSTRUCTION ENGINEERING AND MANAGEMENT
IT SOLUTION IN CONSTRUCTION MANAGEMENT

Objectives:

To manage complex & mega cost construction projects efficiently & effectively with the help of softwares(IT solutions) .

Course content:

Management softwares: Microsoft project, Primavera, QE-Pro and other project management softwares.

Tools to manage project, Multiple project scheduling, monitoring & resource management by softwares in details.

Tutorials:

- (1) Study of required hardwares & output options.
- (2) Operationalization of Primavera
- (3) Operationalization of Microsoft project.
- (4) Operationalization of other softwares.
- (5) Tutorials on project management using softwares
- (6) Preperation of detailed construction project with the help of software & all tools.
- (7) Seminar on prepared project.

References.

- (i) Project Management: Clifford F. Gray & Erik W. Larson.
- (ii) Project Management: Dennis Lock.
- (iii) A management guide to PERT/CPM: Jerome D. Wiest & Levy.
- (iv) Project planning , analysis & selection: Prasanna Chandra.
- (v) Using Microsoft Project: Tim Pyron.
- (vi) Construction scheduling with Primavera: David A. Marchman.