

PROJECT MANAGEMENT

Course Objectives

This course is designed to provide the students with an understanding of project management and its application in real life projects. It presents several project management concepts and techniques necessary for successful implementation of projects.

-) Describe project management and its importance in various projects.
-) Develop necessary analytical skills to successfully select, design, implement, control, and terminate projects of varying complexities.
-) Handle variety of projects and ensure its successful implementation.

Course Contents

-) Introduction to Project Management (PM)
-) Project Screening and Selection
-) Work Breakdown Structure (WBS), Organization Breakdown Structure (OBS)
-) Time Estimation of Activities, Precedence Relationships
-) Gantt Chart , Network Models (AON, AOA)
-) Critical Path Method (CPM), Resource management
-) Budgeting Cost-Time Trade offs
-) Project Crashing, Linear Programming models for Optimizing Project Crashing Plans
-) Risk Management
-) Managing Changes in Project Scope,
-) Configuration Management
-) Program Evaluation and Review Technique (PERT)
-) Project Control,
-) Earned Value Approach,
Revised Budget Projections

Reference Books

-) Project management: the managerial process (4th edition) by *gray and Larson*,
Oct 2013

) Project management body of knowledge “PMBOK” 5th edition, Jan 2013
Jack R. Meredith & Samuel J. Mantel, Jr.: Project Management – A Managerial
Approach, Aug 2011