

Advanced Project Management

Course Objectives

The objective of this course is to sensitize the students to apply the latest principles of advanced project management to explore problems, solutions, and best practices in diverse industrial settings.

Syllabus

Project and Project Management, Project Life Cycle, Project Portfolio, Best Practices in Project Management, Change Management, Team Organisation and People Management, Scheduling, Controlling

Expected Outcomes

After successful completion of the course, the students will be able to focus on projects to create a learning organisation which foster excellence in project management by developing and justifying project management strategies.

References

1. Harold Kerzner, Project Management Best Practices: Achieving Global Excellence, Wiley India Private Limited, 2015
2. Clifford, G and Larson, E., Project Management, McGraw Hill Education (India) Private Limited, 2014
3. K. Venkataraman, Maintenance Engineering and Management, PHI Learning Private Limited, 2007
- Jack Gido and James Clements, Successful Project Management, South-Western, 2002
4. Meri Williams, Principles of Project Management, SitePoint, 2008
5. K.V. Subba, Rao, Project Management, Adhyayan Publishers & Distributors, 2009

Unit Topic

- 1 Introduction: Project and Project Management, Categories, Project Management – Definition – Goal, Lifecycles. Project Selection Methods. Project Development Cycle, Project Selection Methods, Project Portfolio, Project Teams.
- 2 Project Organisation: Project Organisation, Project Manager- Roles and Responsibilities, Selecting Project Manager, Project formulation, Types of Project Organisations, Conflict management, Resolving Conflicts, Client- Values & Expectations, - Application of Project Management software.

First Internal Examination

3 Project Planning and Budgeting: Planning, Project Identification, Project Appraisal, - Technical, financial, Legal, Social Appraisal, Project Profiling Models, Darnall- Preston Complex Index, Project Budgeting Methods - Cost Estimating and Improvement - Budget uncertainty and risk management.

4 Project Scheduling & Allocation: Scheduling and Resource Allocation- PERT & CPM Networks- Crashing- Goldratt's Critical Chain, Time Management, Estimate Cost, Budget & Budgetary Control, Managing Project Risk, Project Management & Closure, Procurement Plan, Project Closure.

Second Internal Examination

5 Emerging Issues: Best Practices in Project Management, Fostering Excellence in PM, Project Management Office, Project Portfolio Management, Team Organisation and People Management, Complex Issues in Communication and Virtual Teams

Final Examination