

Course title: Project Planning and Management				
Course code: BSI 156		No. of credits: 2	L-T-P distribution: 20-08-0	Learning hours: 28
Pre-requisite course code and title (if any):				
Department: Department of Business Sustainability				
Course coordinator:			Course instructor:	
Contact details:				
Course type	Core		Course offered in: Semester 2	
Course description: This course is to make the students familiar with the entire life cycle of projects; Planning, Execution and Operation. This would help students prepare themselves for the working in various projects right from conceptualization to delivery. It would help optimize usage of country's resources on various projects; especially in the infrastructure domain. It guides students through fundamental project management concepts and behavioral skills needed to successfully launch, lead, and realize benefits from projects in profit and nonprofit organizations. Successful project managers skillfully manage their resources, schedules, risks, and scope to produce a desired outcome. In this course, students explore project management with a practical, hands-on approach through lectures and class exercises. Special attention is given to explain the concepts based on the past experiences of the instructor. It emphasizes that project management is a professional discipline with its own tools, body of knowledge, and skills.				
Course objectives: <ul style="list-style-type: none">• Understand project management design, development, and deployment• Use project management tools, techniques, and skills• Employ strategies to address the ubiquitous issue of resistance to change• Align critical resources for effective project implementation• Understand the implications, challenges, and opportunities of organizational dynamics in project management• Identify and use key performance metrics for project success• Understand how to manage project cost, quality, and delivery• Engage and lead effective project management teams in your organization• Impart project management knowledge, tools, and processes to your colleagues• Recognize and mitigate the early seeds of failure in the project life cycle				
Course contents:				
Module	Topic	L	T	P
1.	Introduction: Definition of projects, Concept of Project Life Cycle: Application in real life, Need for Planning	2	0	0
2.	Planning Stage: Planning needs of different projects, Objectives, Idea generation to fulfill these objectives, Scoping the boundaries,	2	0	0
3.	Stakeholder Management: Project owners, regulators, executors, line-managers, suppliers, financiers/lenders, users and Project Affected People, Role of each stakeholder and interactions amongst them; Contracts and their importance for such interactions.	3	3	0
4.	Work Breakdown Structure, Project costing, and budgeting, scheduling, selection of stakeholders, structuring, assigning and managing them to plan for smooth execution of projects.	2	0	0
5.	Execution Stage: Sequencing activities and mobilizing relevant stakeholders, Project management consultants, Bringing all the stakeholder together, contracting and awarding work packages. Resource management	2	0	0

6.	Execution and control–Network techniques, CPM v/s PERT, Project performance appraisal, Monitoring and controlling; Variance Analysis; Earned Value Analysis including schedule project and corrective actions. Time over-run issues and associated penalties/rewards	3	3	0
7.	Cost, Quality and Dispute Control mechanism, Arbitration and legal recourse, Quality management system, Activity based costing etc. Cost over-run and necessary control mechanism	2	2	0
8.	Operation Stage: Project completion audit. Objectives: targeted v/s achieved. Learning for future projects.	2	0	0
9.	Application of technology enablers i.e. ERP, use of project planning, management and evaluation softwares	2	0	0
Total		20	8	0

Evaluation criteria:

Test 1: Written test 25%

Test 2: Class exercise 15% (Practical live examples solved in class)

Identification of a project live or hypothetical and carry out PM related SOP's, time schedule development, cost management plan, HR, procurement and close out stages.

Question / answer sessions on the same project

Presentation 20% (Topic based presentations submitting the hard as well as soft copy)

Test 3: Written exam 40%

Learning Outcome:

- Manage the scope, cost, timing, and quality of the project, at all times focused on project success as defined by project stakeholders
- Align the project to the organization's strategic plans and business justification throughout its lifecycle.
- Identify project goals, constraints, deliverables, performance criteria, control needs, and resource requirements in consultation with stakeholders
- Implement project management knowledge, processes, lifecycle and the embodied concepts, tools and techniques in order to achieve project success
- Adapt projects in response to issues that arise internally and externally
- Interact with team and stakeholders in a professional manner, respecting differences, to ensure a collaborative project environment
- Utilize technology tools for communication, collaboration, information management, and decision support.
- Implement general business concepts, practices, and tools to facilitate project success
- Apply appropriate legal and ethical standards
- Adapt project management practices to meet the needs of stakeholders from multiple sectors of the economy (i.e. consulting, government, arts, media, and charity organizations)
- Apply project management practices to the launch of new programs, initiatives, products, services, and events relative to the needs of stakeholders
- Appraise the role of project management in organization change

Reading Materials

Suggested Readings

1. Prasanna Chandra. Projects: Planning, Analysis, Selection, Financing, Implementation and Review, Tata McGraw Hill (2011).
2. Lewis, James. Fundamentals of Project Management, 2nd ed., American Management Association. ISBN 0-8144-7132-3 (2002).
3. Project Management Institute. A Guide to the Project Management Body of Knowledge (PMBOK), 3rd ed., Project Management Institute. ISBN 1-930699-45-X. (2003).
4. Berkun, Scott. Art of Project Management. Cambridge, MA: O'Reilly Media. ISBN 0-596-00786-8. (2005).
5. Comminos D &, Frigenti E. The Practice of Project Management - a guide to the business-focused approach. Kogan Page. ISBN 0-7494-3694-8 (2002).
6. Finnerty. Project Financing, John Wiley and Sons (2012).
7. Meredith, Jack R. and Mantel, Samuel J. Project Management: A Managerial Approach, 5th ed., Wiley. ISBN 0-471-07323-7. (2002).

Journals 1. Project ManagementJournal 2. International Journal of ProjectManagement
Additional information (if any)
Student responsibilities: Attendance, feedback, discipline, class participation <i>etc.</i>

Prepared by:

Subodh Jain

Course reviewers:

1. Sh. RiteshViz , Founder VLE Consultant LLP
2. Sh. K Mal ,Retd Principle Chief Engineer , Indian Railway