

Course Title: Project Management				
Course code: PPM 202	No. of credits: 3	Total Lectures: 30-15-0	Learning hours: 45	
Pre-requisite course code and title (if any): None				
Department: Policy and Management Studies				
Course coordinator:		Course instructor: Dr Ashutosh Srivastava		
Contact details: anand.jaiswal@terisas.ac.in				
Course type: Core	Course offered in: Semester 3			
Course Description: The course aims to give a basic perspective of project management and understanding a project through its life cycle. The course would provide hands-on training on tools and techniques for planning project timelines, resources, and risks.				
Course objectives: The objectives are to: <ul style="list-style-type: none">• Introduce the basic concepts of project management.• Analyse different kinds of project delivery mechanisms and procurement methods• Application of project management tools and techniques in project planning.• Impart skills in planning resources and tracking the time and cost plans of a project.• Introduce agile project management and a broad understanding of project financing				
Course Contents				
Module	Topics	L	T	P
1.	Introduction to Project Management: Foundation and Fundamental Concepts of Project Management, Phases in the Life cycle of Projects and their significance, Organization Strategy and Project Selection, Project management process groups, Stakeholders in a Project, Sustainable Project Delivery. Project feasibility analysis, Work Breakdown Structure, Organizational Charts	6	2	0
2.	Project and Project Delivery: Types of Projects, Public Private Partnership, Turnkey Projects, Contracts Management. Green Project Delivery Mechanism and Procurement. Fundamentals of Lean and six-sigma	6	2	0
3.	Project Planning/Scheduling and Control: Project Planning, Gantt Chart, CPM network diagrams, PERT, Project fast track and crashing, Resource loading, Resource levelling and planning. Software training on Microsoft Project (MSP) and Primavera scheduling, Project Monitoring.	8	6	0
4.	Project Budgeting and Finance: Project Finance- Key Features, Earned value analysis, Project Valuation, Risk Management, and Models for project financing. Performing cost management using Project Management software.	4	3	0
5.	Introduction to Agile Project Management: What is Agile and SCRUM. Why Agile. Principles of AGILE project management, Agile Methods. Agile implementation case studies.	6	2	0
	Total	30	15	0
Evaluation criteria: <ul style="list-style-type: none">• Test 1 – Minor Examination – 20%• Test 2 – Group Project – 20%• Test 3 – Individual Project – 20%• Test 4 – Major Examination – 40%				

<p>Learning outcomes:</p> <p>By the end of the course, the students should be able to:</p> <ul style="list-style-type: none"> • Develop a project plan, sequence activities and structure them • Evaluate different project delivery and procurement mechanisms • Develop detailed project schedules using software tools • Recognize issues and challenges in project planning in terms of costs and resources • Develop an understanding of modern project management tools such as lean and agile and financing mechanism
<p>Pedagogical approach:</p> <p>The course will be primarily taught through class discussions, hands-on software tutorials, quizzes, case analysis and assignments, and presentations.</p> <p>Materials Suggested</p> <p>Readings</p> <ol style="list-style-type: none"> 1. C. Gray and E Larson (2011), Project Management: The Managerial Process, McGraw Hill 2. Dennis Lock (2013), Project Management, Grower 3. John M Nicholas (2008), Project Management for Business and Technology, Pearson 4. Tate, Karen (2001), Getting Started in Project Management, Wiley: New York. 5. Berkun, Scott (2008), Making Things Happen: Mastering Project Management, O'Reilly Media: Cambridge, MA. 6. Khanna, R. B. (2011), Project Management, PHI Learning Private Limited, New Delhi. Kendrick, Tom (2004), The Project Management Toolkit: 100 Tips and Techniques for Getting the Job Done Right, AMACOM Books: Boston, MA. <p>Internet References</p> <p>www.pmi.org.in</p>
<p>Additional Information: The course framework and modules were designed and conceptualized by Dr. Ann Francis</p>
<p>Student responsibilities:</p> <p>Attendance, Participation in the class exercise, tutorials, and case discussions, to read relevant student material before attending the class.</p>

Course Reviewer(s):

1. Dr. Rajeev Agrawal, Associate Professor, Department of Mechanical Engineering, MNIT, Jaipur
2. Dr. Vasanth Kamath, Associate Professor, Department of Management, TA Pai Management Institute, Karnataka
3. Vandana C Padmanabhan, Lead (Engg. & Technology), Community Design Agency, Mumbai