



MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

COURSE CONTENT

PROJECT MANAGEMENT								
I YEAR II SEMESTER								
Course Code	Category	Hours/Week			Credits	Maximum Marks		
25MB015A	CORE	L	T	P	C	CIE	SEE	Total
		3	0	-	3	40	60	100
Contact Classes:45	Tutorial Classes: Nil	Practical Classes: Nil			Total Classes: 45			
Prerequisite: Basic concepts of Management								

COURSE OVERVIEW:

This course provides a comprehensive understanding of Project Management principles, tools, and techniques required for planning, appraisal, financing, execution, and control of projects across various sectors such as construction, services, public sector, and government organizations. The course emphasizes project life cycle stages, feasibility analysis, financial evaluation techniques, risk assessment, agile methodologies, and organizational behavior aspects in project management. Students will gain both conceptual clarity and practical exposure to modern project management approaches including Scrum and Lean methodologies.

COURSE OBJECTIVES:

- To describe the key characteristics of projects, outline the stages of the project life cycle, and understand diverse applications of projects across various sectors.
- To outline the various steps involved in project planning and appraisal.
- To calculate project finance using various project evaluation techniques.
- To understand different control mechanisms used to manage a project effectively.
- To explain the importance of organizational behavior in successful project management

COURSE OUTCOMES: After Completion of the course, students should be able to

- Understand the key characteristics of projects, outline the stages of the project life cycle, and explain applications across sectors.
- Apply project planning principles and conduct comprehensive feasibility studies to appraise project viability.
- Evaluate financial viability of projects using standard project evaluation techniques and cost

analysis methods.

- Apply tools and methodologies for effective project execution, monitoring, and control, including Agile approaches.
- Interpret the human and organizational factors critical for successful project management.

Unit – I: Introduction: Introduction to Project Management, Project Characteristics, Project Life Cycle, Project Identification, Formulation and Implementation, Project Management in different Sectors: Construction, Services Sector, Public sector and Government Projects. Systems Approach to Project Management.

Unit – II: Project Appraisal: Project Planning, Steps in Project Planning, Scheduling, Project Appraisal, Feasibility Study, Technical, Commercial, Economic, Financial, Management, Social Cost Benefit Analysis, Project Risk Analysis.

Unit – III: Project Finance: Project Cost Estimation, Project Financing, Investment Criteria, Project Evaluation Techniques, Pay Back Period, Accounting Rate of Return, Net Present Value, Internal Rate of Return, Profitability Index, Cash Flows Estimation for New and Replacement Projects, Cost of Capital, Risk Analysis.

Unit–IV: Project Control: Network Diagrams, Network Analysis, Critical Path, Quality Management, Project Execution, Monitoring and Control, Agile Project Management, Scrum, Lean Production and Project Management.

Unit – V: Organizational Behavior in Project Management: Organizational Structure and Integration, Role of Project Manager, Roles in the Project Team, Project Stakeholder Engagement, Leadership in Project Management, Participative Management, Team Building Approach, Conflict Management in Projects, Stress Management.

TEXT BOOKS:

1. Stewart R. Clegg, Torgeir Skyttermoen & Anne Live Vaagasar (2021), Project Management, Sage Publications.
2. Jeffrey K. Pinto (2020), Project Management, 5th Edition, Pearson Education.
3. Prasanna Chandra (2019), Projects: Planning, Analysis, Selection, Financing, Implementation and Review, 9th Edition, Tata McGraw Hill.

REFERENCE BOOKS:

1. Jack Gido, Jim Clements & Rose Baker (2018), Successful Project Management, 7th Edition, Cengage Learning.
2. John M. Nicholas & Herman Steyn (2017), Project Management for Engineering, Business and Technology, 5th Edition, Routledge.
3. K. Nagarajan, Project Management, 8th Edition, New Age International Publishers.

ELECTRONIC RESOURCES:

1. Project Management Institute (PMI) – www.pmi.org
2. National Programme on Technology Enhanced Learning (NPTEL) – Project Management video lectures
3. Coursera – Project Management Specializations
4. edX – Project Planning & Risk Management Courses
5. Scrum Alliance – Agile & Scrum resources

MATERIALS ONLINE:

1. Course template
2. Tutorial question bank
3. Tech talk and Concept Video topics
4. Open-ended experiments
5. Definitions and terminology
6. Assignments
7. Model question paper – I
8. Model question paper – II
9. Lecture notes
10. PowerPoint presentation
11. Drishya Siksha Sangrah (DSS) Videos

