Course Code:	UCSPE501		L	T	P	Credit
Course Name:	Project Management		3			3

Course Prerequsites

Software Engineering

Course Description:

This course develops a foundation of concepts and solutions that supports the planning, scheduling, controlling, resource allocation, and performance measurement activities required for successful Completion of a project.
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Course Outcomes:

CO1	Explain basic concept of project management.
CO2	Make use of tools and techniques for project activities.
CO3	Inspect reason for project failures.
CO4	Design project management plan for real world problem.

CO-PO Mapping:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1										2			
CO2					3				1				2	1
CO3		3		2									2	1
CO4		2	3		1				2		2		3	1

Assessment Scheme:

SN	Assessment	Weightage	Remark
1	In Semester Evaluation 1 (ISE1)	10%	Assignment, Test, Quiz, Seminar, Presentation, etc.
2	Mid Semester Examination (MSE)	30%	50% of course contents
3	In Semester Evaluation 2 (ISE2)	10%	Assignment, Test, Quiz, Seminar, Presentation, etc.
4	End Semester Examination (ESE)	50%	100% course contents

Course Contents:

Unit 1	Introduction to Project Management	6 Hours

Project and Project Management (PM), Role of project Manager, System view of PM, Organization, Stakeholders, Project phases and lifecycle, Context of IT projects, process groups, mapping groups to Knowledge areas

Unit 2	Project Integration and Scope Management	8 Hours

Strategic planning and project selection, Developing a Project Management Plan, Directing and Managing Project Work, Monitoring and Controlling Project Work, Performing Integrated Change Control, Closing Projects or Phases Planning Scope Management, Collecting Requirements, Defining Scope, Creating the Work Breakdown
Structure, Validating Scope, Controlling Scope

Unit 3	Project Time Management	4 Hours

Planning Schedule Management, Defining Activities, Sequencing and Estimating Activity, Resources & Duration, Developing & Controlling Schedule

Unit 4	Project Cost and Risk management	6 Hours

Basic Principles of Cost Management, Planning Cost Management, Estimating Costs, Determining the Budget, Controlling Costs Importance, risk management planning, sources of risk, risk identification, qualitative and quantitative risk analysis, risk response planning, risk monitoring and control.

Unit 5	Project Procurement Management	7 Hours

The Importance of Project Procurement Management , Planning Procurements , Tools and Techniques for Planning Procurements , Procurement Management Plan ,Statement of Work , Procurement Documents , Source Selection Criteria , Conducting Procurements Administering Procurements , Closing Procurements , Using Software to Assist in Project Procurement Management

Unit 6	Using OpenProject software for project management	6 Hours

Introduction and Overview of New Features of OpenProject software, getting started with OpenProject 2010 , Using the Help Feature ,Main Screen Elements , Project 2010 Views , Project 2010 Filters, Developing a Work Breakdown Structure, Gantt Charts,Network Diagrams ,Critical Path Analysis.

Text Books:

Information Technology Project Management, 7E, Kathy Schwalbe, Cengage Learning https://opensource.com/article/17/11/how-install-and-use-openproject

Reference Books:

1. The principles of project management by MERI WILLIAMS