

Course Code	Course Name	Teaching Scheme (Hrs/week)			Credits Assigned			
		L	T	P	L	T	P	Total
MCA24	Software Project Management	3	1	--	3	1	--	4
		Examination Scheme						
		ISE		MSE		ESE		
		10	30	100 (60% Weightage)				

Pre-requisite Course Codes		MCA12
Course Outcomes	CO1	Make use of knowledge of Project Life Cycle to successfully implement the projects in the corporate world.
	CO2	Identify the Inputs, Tools and techniques to get the required Project deliverables and Product deliverables using 10 Knowledge areas of Project Management.
	CO3	Understand 47 Project Management Processes defined by PMBOK
	CO4	Implement the project management processes needs to successfully complete project in IT industry.

Module No.	Unit No.	Topics	Ref.	Hrs.
1		Introduction to Project Management	1,3	3
	1.1	What is project? What is project Management, The role of project Manager		
	1.2	The project Management Profession Understanding organizations		
	1.3	Stakeholder management, Project phases		
2		Conceptualizing and Initializing IT project	1,2	3
	2.1	Information Technology Project Methodology,		
	2.2	Business case, Project selection and Approval,		
	2.3	Project management processes, Project charter, Project Planning Framework		
3		Project Scope management	1,3	4
	3.1	Scope Planning -Statement of work , scope statement		
	3.2	Scope definition -project oriented scope , product oriented scope		
	3.3	Scope verification Scope change Control procedures		
	3.4	Creating workbreakdown structure		
4		Scheduling and Budgeting	1,2,3	8
	4.1	Developing the Project Schedule, Schedule Control		
	4.2	Basic Principles of Cost Management		
	4.3	Cost Estimating: Types of cost estimates		
	4.4	Cost estimation tools and techniques		
	4.5	Cost Control: Earned Value Management, Project Portfolio		
5		Project Quality and Communication management	1,2	7

	5.1	Tools and Techniques for Quality Control, Pareto Analysis		
	5.2	Statistical Sampling, Six Sigma, Quality		
	5.3	Modern Quality management: Juran and the importance of Top management commitment to Quality		
	5.4	Crosby and Striving for Zero defects		
	5.5	Ishikawa and the Fishbone Diagram		
	5.6	The Project Communication Plan Reporting Performance		
6		The Importance of Project Procurement Management	1	6
	6.1	Planning Purchases and Acquisitions, Planning Contracting,		
	6.2	Requesting Seller Responses, Selecting Sellers, Administering the Contract		
	6.3	Closing the Contract Using Software to Assist in project		
	6.4	Procurement Management, Out Sourcing: The Beginning of the outsourcing phenomenon,		
	6.5	Types of outsourcing relationship, The		
	6.6	Realities of outsourcing, Managing the outsourcing relationship		
7		Human Resource Management	1	5
	7.1	Human Resource Planning, Acquiring the Project Team: Resource		
	7.2	Assignment, Resource Loading, Resource Leveling		
	7.3	Developing the Project Team, Managing the Project Team,		
	7.4	Change management : Dealing with Conflict & Resistance Leadership & Ethics		
8		The Project Implementation Plan and Closure	3	6
	8.1	Project Implementation		
	8.2	Administrative Closure, Project Evaluation		
	8.3	Leadership & Ethics in Projects: Project Leadership,		
	8.4	Ethics in Projects,		
	8.5	Multicultural Projects		
			Total	42

References :

- [1] Kathy Schwalbe ,”Managing Information Technology Projects”, Cengage Learning ,sixth edition.
- [2] Kathy Schwalbe ,”Information Technology Project Management “Thomson Publication, sixth edition
- [3] Jack T. Marchewka ,”Information Technology Project Management”, Wiley Publication, fourth editon