

Course Code	MB18MI02	Course Name	MANAGING SOFTWARE PROJECTS	Course Category		Foundation Course	L	T	P	C
							2	0	2	3

Pre-requisite Courses		Co-requisite Courses		Progressive Courses	
Course Offering Department	MBA	Data Book / Codes/Standards			

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning	Program Learning Outcomes (PLO)
----------------------------------	--------------------------------------------	----------	---------------------------------

CLR-1:	Enhance the knowledge on Software Projects	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12
CLR-2:	Understand the methods of evaluation of software projects	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Effective communication skills	Initiate critical thinking	Resources analysis for organisations	Familiarize organisations and its stakeholders	Integrate functional knowledge with strategic skills	Comprehend effectively in globalized environment	Practice business ethics with integrity	Enhance careers and commitment	Instigate entrepreneurial drive	Integrate business projects	business projects to develop growth strategies	authorize the students to innovate and execute the business idea during the challenging business situation
CLR-3:	Have Knowledge about software project selection methods															
CLR-4:	Understand the risk involved in the handling of software projects															
CLR-5:	Aware about the methods to monitor and control software projects															

Course Learning Outcomes (CLO):	At the end of this course, learners will be able:															
CLO-1:	To understand software Project Management and to know the different software development models.	1	60	50	H	M	H	M	L	H	M	H	M	L	M	H
CLO-2:	To understand Software Project Evaluation and know how to manage Programmes.	1	50	70	L	H	L	L	M	L	H	L	L	M	H	L
CLO-3:	To know how to select projects and to carry out software effort estimation.	2	80	75	M	H	L	L	M	M	H	L	L	M	H	M
CLO-4:	To know the Risk Management Process and how to allocate resources for Software Projects	2	80	70	M	H	L	L	M	M	H	L	L	M	H	M
CLO-5:	To know how to monitor and control Software Projects.	2	80	70	M	L	H	H	L	M	H	H	L	M	H	M

Duration (hour)	12	12	12	12	12	
S-1	SLO-1	Introduction to SPM	Project Portfolio Management	Build or buy	Categories of Risk,	Creating the framework,
	SLO-2	Importance of SPM	Evaluation of Individual projects	Choosing methodologies and technologies	Risk Identification,	Collecting the data,

S-2	SLO-1	Software Project –vs– other Projects	CBA techniques,	Choice of process models,	Risk Assessment	Visualizing progress,
	SLO-2	Activities covered by Software Project Management	CBA techniques	structure –vs– speed of delivery,	Risk Assessment	Cost monitoring,
S-3	SLO-1	SDLC	Risk Evaluation,	Waterfall model,	Risk Planning	Earned Value Analysis,
	SLO-2	Plans, Methods and methodologies,	Programme Management,	Spiral model,	Risk Planning	Prioritizing monitoring,
S-4	SLO-1	Some ways of categorizing software projects	Managing the allocation of resources within programmes,	software prototyping,	Risk Management	Getting the project back to target,
	SLO-2	Stakeholders	Strategic Programme Management,	Selecting the most appropriate process model	Evaluating the risks to the schedule	Change control,
S-5	SLO-1	The requirements specification	Aids to programme management,	Basis for Software Estimating,	Nature of resources	Types of contracts,
	SLO-2	Problems with software projects	Stepwise Project Planning	Software effort estimation techniques	Identifying resource requirements	Stages in Contract placement,
S-6	SLO-1	Project success and failure	Stepwise Project Planning	Expert Judgement	Scheduling the resources	Typical terms of a contract,
	SLO-2	Management Control	Stepwise Project Planning	Estimating by analogy	Cost Schedules	Contract management

Learning Resources	<ol style="list-style-type: none"> 1. Bob Hughes, Mike Cotterell and Rajib Mall – Software Project Management – TMH– 2017 2. Joel Henry, Software Project Management, Pearson, 2011 3. Kathy Schwalbe, Project Management in IT, Cengage, 2011 4. Sanjay Mohapatra – Software Project Management – Cengage – 2011.
---------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

		Learning Assessment												
	Bloom's Level of Thinking	Continuous Learning Assessment (50% weightage)										Final Examination (50% weightage)		
		CLA -1 (5marks)		CLA -2 (5marks)		CLA-3 (10marks)		CLA -4 (15marks)		CLA -5(15marks)		Marks -100 which will be weighted at 50%		
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice			Theory	Practice	
Level 1	Remember	30	30	30	30	30	30	30	30	30	30	30	30	30
	Understand													
Level 2	Apply	30	30	30	30	30	30	30	30	30	30	30	30	30
	Analyze													
Level 3	Evaluate	40	40	40	40	40	40	40	40	40	40	40	40	40
	Create													
	Total	100 %		100 %		100 %		100 %		100%		100 %		

CLA – 1-5: can be from any combination of these: Class Participation, Surprise Test, Cycle test, Model Examination, Mini-Projects etc.,

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts
Mr.Million Kumar, CEO, Webco.	Dr.Saji K Mathew, Professor, IIT Madras	Dr.Yaaseen Maswood
Mr.Venkatesh, IBM	Dr.N.Thamaraiselvan , Associate Professor , NIT, Trichy	Dr. V.M.Shenbegaraman