



DEPARTMENT OF MANAGEMENT STUDIES
NATIONAL INSTITUTE OF TECHNOLOGY
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COURSE PLAN – PART I			
Course Title	SOFTWARE PROJECT MANAGEMENT		
Course Code	MB 806	No. of Credits	2
Course Code of Pre-requisite subject(s)	NIL		
Session	July '23 – Oct '23	Section	
Name of Faculty	Dr. P.Sridevi	Department	MBA
Email	psridevi@nitt.edu	Telephone No.	041-2503711
Name of Course Coordinator(s) (if, applicable)	NIL		
Course Type	<input type="checkbox"/> Core course	<input checked="" type="checkbox"/> Elective course	
SYLLABUS			
<p>Unit I SPM concepts Definition – components of SPM – challenges and opportunities – tools and techniques – managing human resource and technical resource – costing and pricing of projects – training and development – project management techniques.</p> <p>Unit II Software Measurements Monitoring & measurement of SW development – cost, size and time metrics – methods and tools for metrics – issues of metrics in multiple projects.</p> <p>Unit III Software Quality Quality in SW development – quality assurance – quality standards and certifications – the process and issues in obtaining certifications – the benefits and implications for the organization and its customers – change management.</p> <p>Unit IV Risk Issues The risk issues in SW development and implementation – identification of risks – resolving and avoiding risks – tools and methods for identifying risk management.</p> <p>Unit V Offshore Projects Multiple projects – off-shore development issues – managing human resources – pricing and payments across countries – remote development and implementation.</p>			
COURSE OBJECTIVES			
<i>To create an understanding on Process, methodologies, tools, techniques, metrics, quality and risk issues in software project management</i>			

COURSE OUTCOMES (CO)	
Course Outcomes	Aligned Programme Outcomes (PO)
1. To understand the process, methods and Measurements involved in Software project management	1, 3
2. To understand the scenario of software industry in software development process	1, 2, 4
3. To provide hands-on experience on s/w project planning, Scheduling, progress assessment and cost estimation supporting tools to manage software projects (MS-Project , JIRA, MTA-PROIT, COCOMO, UX and so on)	3, 4, 5, 6,

COURSE TEACHING AND LEARNING ACTIVITIES			
Sl.No.	Week	Topic	Mode of Delivery
1.	3 rd week of July 2023 Class – 1st week (3 Contact Hours)	Definition – components of SPM – challenges and opportunities ---	Lecture - Power Point Presentation
2.	Class- 2nd week (3 Contact Hours)	Tools and techniques, project management techniques. (* Assessment -1)	Lecture - Power Point Presentation
3.	Class- 3rd week (3 Contact Hours)	Managing human resource and technical resource – costing and pricing of projects – training and development	Lecture - Power Point Presentation
4.	Class- 4th week (3Contact Hours)	Monitoring & measurement of SW development – cost, size and time metrics	Lecture - Power Point Presentation
5.	Class- 5th week (3 Contact Hours)	Methods and tools for metrics – issues of metrics in multiple projects. (* Assessment- 2 : 5th week onward)	Lecture - Power Point Presentation
6.	Class- 6th week (3 Contact Hours)	Quality in SW development – quality assurance (* Assessment -3: 6th week onward)	Group analysis and presentation Demo on system development tool.
7.	7th week	Cycle Test for IV Trimester / MBA scheduled	
8.	Saturday & Sunday	Industry oriented session	Guest Lecture From Industry (Any weekend of trimester based on expert availability)
9.	Class- 8th week (3 Contact Hours)	Quality standards and certifications – the process and issues in obtaining certifications (* Assessment -4 deliberation)	Lecture - Power Point Presentation
10.	Class – 9th week (3 Contact Hours)	The benefits and implications for the organization and its customers – change management.	Lecture - Power Point Presentation

11.	Class - 10 th week (3 Contact Hours)	The risk issues in SW development and implementation – identification of risks –	Lecture - Power Point Presentation
12.	Class – 11th week (3 Contact Hours)	Resolving and avoiding risks – tools and methods for identifying risk management.	Lecture - Power Point Presentation Role Play on SPM Concept
13.	Class – 12 th week (3 Contact Hours)	Multiple projects – off-shore development issues – managing human resources – pricing and payments across countries – remote development and implementation.	Lecture - Power Point Presentation ** Evaluation out off contact hours if required**
14.	October 2023	Trimester Exam Begins (* Assessment -5)	

COURSE ASSESSMENT METHODS

Sl. No.	Mode of Assessment	Week / Date	Remarks	% Weightage
1.	Assessment-1(Project planning for an application development)	2 nd week -2023	Class room evaluation – Individual assessment	15%
2.	Assessment -2 (Classroom activity with tools)	5 th week –2023	Classroom assessment - Individual	10%
3.	Assessment -3(Case presentation)	6 th week - 2023	Classroom assessment - Group	10%
4.	Assessment -4 (Individual Assignment)	8 th week - 2023	Report submission	15%
5.	Assessment -5 (written assessment)	13 th week - 2023	End Trimester 180 minutes	50%

Note:

1. Attending all the assessments (Assessment 1 to 4) is MANDATORY for every student.
2. Every student is expected to score minimum 40% to pass the course. Otherwise the student would be declared fail and 'F' grade will be awarded.

COURSE EXIT SURVEY

- Feedbacks are collected before final examination through MIS or any other standard format followed by the institute
- Students, through their Class Representatives, may give their feedback at any time to the course faculty which will be duly addressed.

The students may also give their feedback during Class Committee Meeting.

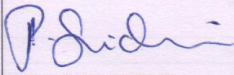
ACADEMIC HONESTY & PLAGIARISM:

- Avoid usage of electronic devices at classes, test and exam (unless instructed to use).
- The students are expected to come out with their original solution for the problems given in the assignment. If found to copy, marks will be reduced.
- Need to maintain honesty & discipline in class room and exam hall

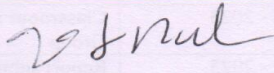
ADDITIONAL INFORMATION

- The students can get their doubts clarified at any time with their faculty member with prior appointment.
- Guest lecture date will be intimated based on expert availability
- Submission of all assessment should be on the date informed. No late submission is allowed.

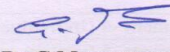
FOR APPROVAL



Dr. P.SRIDEVI
Course Faculty



Dr.V.J.Sivakumar
Chairman (Class Committee)



Dr.G.Muruganatham
HoD

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