

Lesson Plan of the 7th semester for session 2020 -20 (July- Dec)

Name of the faculty: Ms. Manisha

Designation :

Discipline : Computer Science and Engg.

Semester : 7th

Subject : **SOFTWARE PROJECT MANAGEMENT**

Lesson Plan duration : 15 weeks

Work Load per week in hours: Lectures- 03 ,Tutorial-01

Week	Lecture day	Topic (Including Assignment/Test)
UNIT – I		
1	1	Definition of a Software Project (SP), SP Vs. other types of projects activities covered by SPM,
	2	Categorizing sps, project as a system, management control
	3	Requirement specification, information and control in organization.
2	4	Stepwise Project planning Introduction, selecting a project
	5	Identifying project scope and objectives
	6	Identifying project infrastructure
3	7	Analyzing project characteristics, identifying project products and activities
	8	Estimate efforts each activity
	9	Identifying activity risk, allocate resources, review/ publicize plan.
4	10	Cost benefit analysis, cash flow forecasting, cost benefit evaluation techniques
	11	Risk evaluation. Selection of an appropriate project report
	12	Choosing technologies choice of process model, structured methods, rapid application development, water fall
5	13	V-process
	14	Spiralmodels, Prototyping, delivery.
	15	Albrecht function point analysis.
6	16	Activity planning & Risk Management Objectives of activity
	17	Project schedule, projects and activities, sequencing and scheduling activities,
	18	Network planning model, representation of l gged activities, Assignments

7	19	Adding the time dimension, backward and forward pass,
	20	Identifying critical path, activity
	21	Throat, shortening project, precedence networks.
8.	22	Risk Management: Introduction, the nature of risk,
	23	managing risk, risk identification, risk analysis, reducing the risks, evaluating risks to the schedule,
	24	calculating the z values.
9.	25	Resource allocation & Monitoring the control: Introduction, the nature of resources, identifying resource,
	26	Requirements, scheduling resources creating critical paths
	27	Counting the cost, being specific, publishing the Resource schedule, cost schedules, the scheduling sequence.
10.	28	Monitoring the control: Introduction, creating the frame work, collecting the data, visualizing progress
	29	cost monitoring, earned value,
	30	Prioritizing monitoring, Assignments
11	31	Getting the project back to target, change control.
	32	Managing contracts and people Introduction, types of contract, stages in contract, placement
	33	typical terms of a contract, contract management, acceptance,
12.	34	Managing people and organizing terms: Introduction, understanding behavior
	35	organizational behavior: a back ground, selecting the right person for the job,
	36	Instruction in the best methods, motivation, working in groups, becoming a team
13.	37	Decision making, leadership, organizational structures, conclusion, further exercises.
	38	Introduction, the place of software quality in project planning
	39	The importance of software quality, defining software quality
14.	40	ISO 9126
	41	Practical software quality measures
	42	Product versus process quality management, external standards
15	43	Techniques to help enhance software quality.
	44	Study of Any Software Project Management software Project 2000 or equivalent
	45	Revision

