

**COURSE PLAN**

<b>Session No</b>	<b>Topics to be covered</b>	<b>Teaching Methodology</b>
<b>UNIT - I</b>		
1	Subject Introduction and Syllabus Discussion	BB
2	Introduction	BB
3	Some Definitions	GD
4	Some Size Factors	PPT
5	Quality And Productivity Factors	Assignment
6	Managerial Issues	BB
7	Defining The Problem	BB
8	Goals And Requirements	BB
9	Developing A Solution Strategy	Seminar
10	Planning The Development Process	GD
11	The Phased Life Cycle Model	Seminar
12	Milestones, Documents And Reviews	Seminar
13	The Cost Model	Seminar
14	Planning An Organization Structure	PPT
15	Other Planning Activities	BB
16	Revision On UNIT I	-
<b>Unit Test - I</b>		
<b>UNIT - II</b>		
17	Software – Cost Factors	Seminar
18,19,20	Software Cost Estimation Techniques	BB, Seminar

21,22	Software Specification Techniques	PPT
23,24	Level Estimation	BB
25,26	Estimating Software Maintenance Costs	BB,PPT
27	Revision On UNIT II	-
<b>CIA TEST - I</b>		
<b>UNIT - III</b>		
28	Software Requirements Definition	BB
29,30,31	The Software Requirements Specification	BB, Seminar
32,33	Formal Languages And Processors For Requirements Specification	BB, GD
35,34	Formal Languages And Processors For Requirements Specification	BB, GD
36	Revision On UNIT III	-
<b>Unit Test - III</b>		
<b>UNIT - IV</b>		
37	Fundamental Design Concepts	BB
38	Modules And Modularizing Criteria	BB
39	Design Notations	BB
40	Design Techniques	BB
41	Detailed Design Consideration	BB
42	Real Time And Distributed System Design	BB
43	Test Plan	BB
44	Mile Stones Walk Through And Inspection	Seminar
45	Design Guide Lines	BB
46	Revision On UNIT IV	-
<b>CIA TEST - II</b>		

<b>UNIT - V</b>		
47	Quality Assurance – Static Analysis – Symbolic Exception	BB
48	Unit Testing And Debugging – System Testing	PPT
49	Formal Verification	BB
50	Enhancing Maintainability During Development	BB
51	Manage Aspects Of Software Maintenance – Configuration Management	BB
52	Source Code Metrics – Other Maintenance Tools And Techniques.	BB
53	Revision On UNIT V	-
<b>REVISION</b>		
54	Revision of UNIT I	BB
55	Revision of UNIT II	BB
56	Revision of UNIT III	BB
57	Revision of UNIT IV	BB
58	Revision of UNIT V	BB
<b>CIA TEST - III</b>		

<b>Name &amp; Signature</b>	<b>Prepared by</b>	<b>Approved by</b>
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