

LESSONPLAN

SUB:SOFTWARE ENGINEERING

SEM:5th

SESSION TIME:01/09/2020 TO 19/03/2021

FACULTY NAME: Debasis nanda

BRANCH: CSE & IT

WEEK NO.	DATES	TOPICS TO BE COVERED	PERIOD TAKEN	TOPICS COVERED	LAGGING	REASON	MAKE UP
1	1/9/2020	Syllabus ,vision and mission	1	All	No	-	-
2	03/09/20 to 06/09/20	1.0 Introduction to Software Engineering	1	All	No	-	-
		1.1 Program vs. Software product	1	All	No	-	-
		1.2 Emergence of Software Engineering. 1.3 Computer Systems Engineering	1	No	No	-	-
3.	10/09/20 to 12/09/20	1.4 Software Life Cycle Models	1	All	No	-	-
		1.4.1 Classical Water fall model	1	All	No	-	-
		1.4.2 Iterative Water fall model	1	All	No	-	-
		Chapter 1 Class Test	1	All	No	-	-
4.	17/09/20 to 20/09/20	1.4.4 Evolutionary model	1	All	No	-	-
		1.4.5Spiral model	1	All	No	-	-
		2.0 Software Project Management	1	No	NO	-	-
		2.1 Responsibility of Project Manager	1	All	No	-	-
5.	24/09/20 to 27/10/20	2.2 Project Planning	1	All	No	-	-
		2.3 Metrics for Project size estimation(LOC and FP	1	All	No	-	-
		2.4 Project Estimation Techniques	1	All	No	-	-
		2.5 COCOMO Models, Basic, Intermediate and complete	1	All	No	-	-
6.	01/10/20 to 04/10/20	2.6 Scheduling	1	All	No	-	-
		2.7 Organization and Team structure	1	All	No	-	-
		2.8 Staffing	1	All	No	-	-
		2.9 Risk Management	1	All	No	-	-
7.	09/10/20	2.10 Configuration Management	1	All	No	-	-



	to 11/10/20	3.0 Requirement Analysis and specification	1	All	No	-	-
		3.1 Requirements gathering and analysis	1	All	No	-	-
		REVISION	1	All	No	-	-
8.	15/10/20	TEST	1	All	No	-	-
9.	26/10/20 to 30/10/20	Puja Holiday	-	-	-	-	-
			-	-	-	-	-
			-	-	-	-	-
			-	-	-	-	-
10.	02/11/20 to 06/11/20	3.2 Software Requirements Specification 3.2.1 Contents of SRS	1	All	No	-	-
		3.2.3 Organization of SRS	1	No	NO	-	-
		3.2.4 Techniques for representing complex logic	1	All	No	-	-
		4.0 Software Design	1	All	No	-	-
11.	09/11/20 to 13/11/20	4.1 What is a Good S/W design	1	All	No	-	-
		4.2 Cohesion and coupling	1	All	No	-	-
		4.3 Neat arrangement	1	All	No	-	-
		4.4 S/W Design approaches	1	All	No	-	-
12.	16/11/20 to 20/11/20	4.5 Structured analysis	1	All	No	-	-
		4.6 Data Flow Diagrams	1	All	No	-	-
		4.7 Symbols used in DFD	1	All	No	-	-
		4.8 Designing DFD	1	No	NO	-	-
13.	23/11/20 to 27/11/20	4.9 Developing DFD model of a system	1	All	No	-	-
		4.10 Shortcomings of DFD	1	All	No	-	-
		4.11 Structured design	1	All	No	-	-
		4.12 Principles of transformation of DFD to Structure Chart	1	All	No	-	-
14.	30/11/20	Internal assesment examination	1	All	No	-	-

	to 04/12/20	4.13 Transform analysis and Transaction Analysis	1	All	No	-	-
		4.14 Design Review	1	All	No	-	-
		5.0 User Interface Design	1	All	No	-	-
15.	07/12/20 to 11/12/20	5.1 Characteristics of Good Interface	1	All	No	-	-
		5.2 Basic concepts of UID	1	All	No	-	-
		5.3 Types of User interfaces	1	All	No	-	-
		5.4 Components based GUI development	1	All	No	-	-
16.	14/12/20 to 18/12/20	Revision	-	-	-	-	-
		6.0 Software Coding & Testing	1	All	No	-	-
		6.1 Coding	1	All	No	-	-
		6.2. Code Review.	1	All	No	-	-
17.	21/12/20 to 25/12/20	6.2.1 Code walk through.	1	All	No	-	-
		6.2.2 Code inspections and software Documentation	1	All	No	-	-
		6.3 Testing	1	All	No	-	-
		6.2.1 Code walk through.	1	All	No	-	-
18.	28/12/20 to 01/01/21	6.4 Unit testing	1	All	No	-	-
		6.5 Black Box Testing	1	All	No	-	-
		6.6 Equivalence class partitioning and boundary value analysis	1	All	No	-	-
		6.7 White Box Testing	1	All	No	-	-
19.	04/01/21 to 08/01/21	6.8 Different White Box methodologies statement coverage branch coverage,	1	All	No	-	-
		condition coverage	1	All	No	-	-
		PATH COVERAGE	1	All	No	-	-
		cyclomatic complexity	1	All	No	-	-
20.	11/01/21 to 15/01/21	data flow based testing	1	All	No	-	-
		mutation testing	1	All	No	-	-
		6.9 Debugging approaches	1	All	No	-	-
		6.10 Debugging guidelines	1	All	No	-	-

21.	18/01/21 to 22/01/21	6.12 Phased and incremental integration testing	1	No	NO	-	-
		6.11 Integration Testing 10	1	All	No	-	-
		6.12 Phased and incremental integration testing	1	All	No	-	-
		6.11 Integration Testing 10	1	All	No	-	-
22.	25/01/21 to 29/01/21	6.13 System testing alphas beta and acceptance testing	1	All	No	-	-
		6.14 Performance Testing, Error seeding	1	All	No	-	-
		6.15 General issues associated with testing	1	All	No	-	-
		REVISION	1	All	No	-	-
23.	01/02/21 to 05/02/21	INTERNAL TEST	-	-	-	-	-
			-	-	-	-	-
			-	-	-	-	-
			-	-	-	-	-
24.	08/02/21 to 12/02/21	7.0 software reliability	1	All	No	-	-
		7.1 software reliability model	1	All	No	-	-
		7.2 software reliability metrics	1	All	No	-	-
		7.3 software reliability aspects	1	All	No	-	-
25.	15/02/21 to 19/02/21	7.4 software quality	1	All	No	-	-
		7.5 software quality models	1	All	No	-	-
		7.6 software quality management systems	1	All	No	-	-
		7.7 software quality issues	1	All	No	-	-
26.	22/02/21 to 26/02/21	Revision-1.1 to 1.5	1	All	No	-	-
		Revision-2.1 to 2.5	1	All	No	-	-
		Revision- 2.6 to 2.10	1	All	No	-	-
		Revision-3.1 to 3.24	1	All	No	-	-
27.	01/03/21 to 05/03/21	Revision-4.1 to 4.5	1	No	No	-	-
		Revision-4.6 to 4.10	1	All	No	-	-
		Revision-4.11 to 4.14	1	All	No	-	-
		Revision -5.1 to 5.4	1	All	No	-	-
28.	08/03/21 to 12/03/21	Revision -6.1 to 6.5	1	All	No	-	-
		Revision-6.6 to 6.10	1	All	No	-	-
		Revision -6.11 to 6.15	1	All	No	-	-

		Revision-7.1 to 7.7	1	All	No	-	-
29.	15/03/21 to 19/03/21	Revision –test on ch 1 and 2	1	All	No	-	-
		Revision- test on ch 3 and 4	1	All	No	-	-
		Revision - test on ch 6	1	All	No	-	-
		Revision - test on ch 5 and 7	1	All	No	-	-