

VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY, MADURAI-625 009
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
2023-2024 ODD SEMESTER
COURSE PLAN

Degree	BE-CSE
Course Code-Title	21CS304-OBJECT ORIENTED SOFTWARE ENGINEERING
Batch	2022-2026
Year/Semester	III/V
Course Component	Core
Name of the Instructor	K.Santha sheela

Session No	Topic to be covered	Text/Reference Book Page No.	Mode of Delivery	Teaching Aid	No. of Hours	Cumulative No. of Hours
UNIT I Introduction to Software Engineering						
Dissemination and Explanation of Vision, Mission(Institute and Department), POs, PSOs, Course Objectives and Course Outcomes						
1	Software engineering	T2(1-6)	L+D	BB	1	1
2	Software engineering as a branch of the engineering profession	T2(6-8)	L+D	BB	2	2
3	Stakeholders in software engineering	T2(8-10)	L+D	BB,LCD	1	4
4	Software quality	T2(10-11)	L+D	BB,LCD	2	5
5	Software engineering projects	T2(11-14)	L+D	BB	2	7
6	Activities common to software projects	T2(14-16)	L+D	BB	1	9
	Develop a SRS document for an application.				1	10
						Lab- 3
UNIT II Software Engineering Development Activities						
10.	Requirements Elicitation	T1(16-19)	L+D	BB	1	14
11	Analysis	T1(16-19)	L+D	BB	1	15
12	Types of requirements	T1(16-19)	L+D	BB	1	16
13.	Types of requirements document	T1(16-19)	L+D	BB	1	17
14.	System Design	T1(19-20)	L+D	BB,LCD	1	18
15.	Object Design	T1(19-20)	L+D	BB	1	19
16.	Implementation	T1(19-20)	L+D	BB	1	20
17	Testing.	T1(19-20)	L+D	BB,LCD	2	22
Develop the Use Case model for an application.						
Develop an UML Activity diagram by Identifying the business activities.						
Identify the conceptual classes to develop a refinement domain model for an application						
UNIT III Modeling with UML						
19	Introduction					Lab- 12
20	An Overview of UML	T1(29-30)	L+D	BB	1	34
		T1(29-30)	L+D	BB	1	35

