

**SAMANTA CHANDRASEKHAR INSTITUTE  
OF TECHNOLOGY & MANAGEMENT**  
SEMILIGUDA-764 036, KORAPUT

DEPT. OF..... CSE (odd sem)  
[Sep. 22 to Jan-23]

**LESSON PLAN AND PROGRESS REGISTER**

(To be maintained by all members of the teaching staff)

SESSION..... 2022-23 .....

NAME KHALEDA SULTANA  
DESIGNATION ASST. PROF  
DEPT. CSE

SIGNATURE



### LESSON PLAN

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

Semester 5<sup>th</sup> Branch CSE


Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
16/9/22	1.0	Program Vs Software Product	01
17/9	Introduction to	Emergence of Software Engg.	01
20/9	Software Engg.	Computer Systems Engg.	01
21/9		Software Life Cycle Models • Classical Waterfall Model	01
23/9		Iterative Waterfall Model	01
24/9		Prototyping Model	01
26/9		Evolutionary Model	01
27/9		Spiral Model	01
28/9	2.0	Responsibility of Project Manager	01
30/9	Software	Project Planning	01
1/10/22	Project Mgt.	Metrics for Project Size estimation (LOC and FP)	01
8/10/22		Project Estimation Techniques	01
10/10		COCOMO Models, Basic,	01
11/10		Intermediate and Complete	01
12/10		Scheduling	01

### SE

### PROGRESS

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

Semester 5<sup>th</sup> Branch CSE

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
16/9/22	1.0	8	Program vs software Product		
17/9	Introduction to	8	Emergence of Software Engg.		
20/9	Software Engg.	8	Computer System Engg.		
21/9		6	Software Life cycle models		
23/9		5	Classical Waterfall model Iterative waterfall Model.		
24/9		5	Prototyping Model		
26/9		6	Evolutionary Model		
27/9		6	Spiral Model		
28/9	2.0	<del>20</del> 7	Responsibility of Project Manager		
30/9	Software Mgt.	5	Project Planning		
1/10/22		8	Metrics for Project Size estimation (LOC and FP)		
8/10/22		5	Project Estimation Techniques		
10/10		4	Cocomo Models Basic,		
11/10		3	Intermediate and Complete		
12/10		1	Scheduling		


### LESSON PLAN

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

Semester		5 <sup>th</sup> Branch		CSE	
Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required		
13/10		Organization and Team Structure	01		
14/10		Staffing	01		
17/10		Risk Management	01		
18/10		Configuration Management	01		
19/10	3.0	Requirements gathering and Analysis	01		
21/10	Requirements Analysis	Software Requirements Specification	01		
22/10	and Specification	Contents of SRS	01		
26/10		Characteristics of Good SRS	01		
28/10		Organization of SRS	01		
29/10		Techniques for representing	01		
31/10		Complexing Logic	01		
1/11	4.0	What is a Good S/W Design	01		
2/11	Software Design	Cohesion and Coupling	01		
4/11		Neat Arrangement	01		
5/11		S/W Design Approaches	01		

### PROGRESS

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

Semester		5 <sup>th</sup> Branch		CSE	
Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
13/10		4	Organization and Team Structure		
14/10		4	Staffing		
17/10		4	Risk Management		
18/10		6	Configuration Management		
19/10	3.0	6	Requirements gathering and Analysis		
21/10	Requirements Analysis and Specification	6	Software Requirements Specification		
22/10		5	Contents of SRS		
26/10		6	Characteristics of Good SRS		
28/10		6	Organization of SRS		
29/10		2	Techniques for Representing		
31/10		5	Complexing Logic		
1/11	4.0	5	What is a Good S/W Design		
2/11	Software Design	6	Cohesion and Coupling		
4/11		5	Neat Arrangement		
5/11		3	S/W Design Approaches		

### LESSON PLAN

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

Semester 5<sup>th</sup> Branch CSE

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
7/11		Structured Analysis	01
9/11		Data Flow Diagrams	01
11/11		Symbols used in DFD	01
12/11		Developing DFD model of a system	01
14/11		Shortcomings of DFD	01
15/11		Structured Design	01
18/11		Principles of transformation of DFD to structure chart	01
19/11		Transform analysis and Transaction Analysis	01
21/11		Design Review	01
22/11	5.0	Characteristics of Good Interface	01
23/11	User Interface	Basic concepts of UID	01
25/11	Design	Types of User Interfaces	01
26/11		Components based GUI development	01
28/11	6.0 Software	Coding, Code Review; Code Walk through	01
29/11	Coding & Testing	Code Inspection and S/W documentation	01

### PROGRESS

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

Semester 5<sup>th</sup> Branch CSE

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
7/11		5	Structured Analysis		h
9/11		6	Data Flow Diagrams		
11/11		6	Symbols used in DFD		
12/11		7	Developing DFD model of a system		
14/11		6	Shortcomings of DFD		
15/11		7	Structured Design		
18/11		4	Principles of transformation of DFD to structure chart		
19/11		3	Transform analysis and Transaction Analysis		
21/11		5	Design Review		
22/11	5.0	6	Characteristics of Good Interface		
23/11	User Interface Design	3	Basic concepts of UID		
25/11		6	Types of user Interfaces		
26/11		7	Components based GUI development		
28/11	6.0 Software Coding & Testing	5	Coding, Code Review; Code Walk through		
29/11		4	Code Inspection and S/W Documentation		

### LESSON PLAN

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

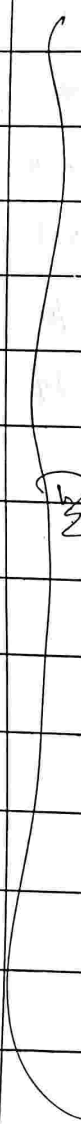
Semester 5<sup>th</sup> Branch CSE

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
30/11		Testing, Unit Testing	01
2/12		Black Box Testing	01
3/12		Equivalence class partitioning and boundary value Analysis	01
5/12		White Box Testing	01
6/12		Different White Box methodologies statement coverage	01
7/12		Branch Coverage, Condition coverage	01
9/12		Path Coverage, cyclomatic complexity data flow based	01
10/12		testing and mutation testing	01
12/12		Debugging Approaches	01
13/12		Debugging Guidelines	01
14/12		Integration Testing	01
16/12		Phased and incremental integration: Testing	01
17/12		System Testing, Alpha Testing	01
19/12		Beta and Acceptance Testing	01
20/12		Performance Testing, Error seeding	

### PROGRESS

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

Semester 5<sup>th</sup> Branch CSE

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
30/11		6	Testing, unit Testing		
2/12		3	Black Box Testing		
3/12		7	Equivalence class Partitioning and boundary value Analysis.		
5/12		8	White Box Testing		
6/12		8	Different white Box methodologies statement coverage		
7/12		6	Branch coverage, condition coverage		
9/12		5	Path coverage, cyclomatic complexity data flow based		
10/12		6	testing and mutation testing		
12/12		7	Debugging Approaches		
13/12		8	Debugging Guidelines		
14/12		6	Integration Testing		
16/12		5	Phased and incremental integration Testing		
17/12		6	System Testing, Alpha Testing		
19/12		7	Beta and Acceptance Testing		
20/12		7	Performance Testing Error seeding		

### LESSON PLAN

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)


Semester 5<sup>th</sup> Branch CSE

Month & Date	Course No. & Title	Brief note of the topics to be covered	No. of Classes Required
21/12		General Issues associated with testing	01
23/12	7.0 Software	Software Reliability	01
26/12	Reliability	Different Reliability Metrics	01
21/1/23		Reliability Growth Modelling	01
31/1/23		Software Quality	01
4/1/23		Software Quality Mgt. System	01

### PROGRESS

Degree/Diploma/+2 Science  
(Theory/Pract/Lab/Workshop)

Semester 5<sup>th</sup> Branch CSE

Date	Course No. & Title	No. of Student Present	Mention the Topics covered	If not taken mention the reasons	Remarks/ Signature of HOD/Director
21/12		7	General Issues associated with testing		
23/12	7.0 Software	8	Software Reliability		
24/12	Software Reliability	6	Different Reliability Metrics		
21/1/23		5	Reliability Growth Modelling		
31/1/23		6	Software Quality		
4/1/23		5	Software Quality Mgt. System		