



CSL501.2	1	1		2										
CSL501.3	1	1		2	2									

**Justification of PO to CO mapping**

<b>CO</b>	<b>Competency</b>	<b>Performance Index</b>
<b>CSL501.1</b>	2.1 Demonstrate an ability to identify and formulate complex engineering problem	2.1.2 Identify processes/modules of a computer-based system and parameters to solve a problem
	2.2 Demonstrate an ability to formulate a solution plan and methodology for an engineering problem	2.2.3 Identify existing solution/methods to solve the problem, including forming justified approximations and assumptions.  2.2.5 Compare and contrast alternative solution processes to select the best process.
	2.4 Demonstrate an ability to execute a solution process and analyze results	2.4.2 Analyze and interpret the results using contemporary tools. 2.4.3 Identify the limitations of the solution and sources/causes.

	4.2 Demonstrate an ability to design experiments to solve open-ended problems	4.2.1 Design and develop appropriate procedures/methodologies based on the study objectives
<b>CSL501.3</b>	4.1 Demonstrate an ability to conduct investigations of technical issues consistent with their level of knowledge and understanding	4.1.1 Define a problem for purposes of investigation, its scope and importance 4.1.2 Able to choose appropriate procedure/algorithm, dataset and test cases. 4.1.3 Able to choose appropriate hardware/software tools to conduct the experiment.
	4.2 Demonstrate an ability to design experiments to solve open-ended problems	4.2.1 Design and develop appropriate procedures/methodologies based on the study objectives
	4.3 Demonstrate an ability to analyze data and reach a valid conclusion	4.3.1 Use appropriate procedures, tools and techniques to and analyze collect data 4.3.2 Critically analyze data for trends and correlations, stating possible errors and limitations 4.3.3 Represent data (in tabular and/or graphical forms) so as to facilitate analysis and explanation of the data, and drawing of conclusions 4.3.4 Synthesize information and knowledge about the problem from the raw data to reach appropriate conclusions
	5.1 Demonstrate an ability to identify/create modern engineering tools, techniques and resources	5.1.1 Identify modern engineering tools, techniques and resources for engineering activities 5.1.2 Create/adapt/modify/extend tools and techniques to solve engineering problems

**CO Assessment Tools:**

<i>Course Outcomes</i>	<i>Direct Method (80%)</i>				<i>Indirect Method (20%)</i>
	Attendance	Lab Performance	Journal Assessment	End Sem Exam (PR)	Course exit survey
CSL501.1	10%	20%	20%	50%	100%
CSL501.2	10%	20%	20%	50%	100%
CSL501.3	10%	20%	20%	50%	100%

**CO calculation= (0.5 \*Direct method + 0.5\*Indirect method)**

**Rubrics for assessing Course Outcome with each assessment tool:**

**Laboratory:**

<b>Sr. No</b>	<b>Performance Indicator</b>	<b>Exceed Expectation (EE)</b>	<b>Meet Expectation (ME)</b>	<b>Below Expectation (BE)</b>
1	On time Completion & Submission (01)	01 (On Time )	NA	00 (Not on Time)
2	Logic/Algorithm Complexity analysis(03)	03(Correct)	02(Partial)	01 (Tried)
3	Coding Standards (03): Comments/indentation/Naming conventions Output/Test Cases	03(All used)	02 (Partial)	01 (rarely followed)
4	Post Lab Assignment (03)	03(done well)	2 (Partially Correct)	1(submitted)

**Practical Plan**

<b>Class: T.E. (Semester V)</b>	<b>Weekly Schedule:</b>
<b>Course name/code: CSL501</b>	<b>Batch A: Monday 11-1</b>
<b>Academic Year:</b>	<b>Batch B: Tuesday 11-1</b>
<b>Name of the teacher</b>	<b>Batch C: Wednesday 11-1</b>
<b>Dr. B. S. Daga</b>	<b>Batch D: Thursday 11-1</b>
<b>Course Outcomes:</b>	
CSL501.1 Identify requirements and apply software process model to selected case study	

CSL501.2 Develop architectural models for the selected case study						
CSL501.3 Use computer-aided software engineering (CASE) tools						
Sr. No.	Title of experiment	Course Outcomes	Batch	Planned date	Actual date	Remark
1	Software Requirement Specification Of the given project.	CSL501.1	A	24-07-23		
			B	27-07-23		
			C	26-07-23		
			D	25-07-23		
2	Implement Given problem statement using SCRUM method on JIRA Tool	CSL501.1	A	31-07-23		
			B	03-08-23		
			C	02-08-23		
			D	01-08-23		
3	. Implement Given problem statement System using KANBAN method on JIRA Tool	. CSL501.1	A	07-08-23		
			B	10-08-23		
			C	09-08-23		
			D	08-08-23		
4	To calculate function point for Given problem statement System.	. CSL501.1	A	14-08-23		
			B	17-08-23		
			C	23-08-23		
			D	22-08-23		
5	To estimate project cost using COCOMO Model for Given problem statement	CSL501.2	A	21-08-23		
			B	24-08-23		
			C	30-08-23		
			D	29-08-23		
6	Develop diagrams for data flow analysis on Given problem statement System	CSL501.2	A	28-08-23		
			B	31-08-23		
			C	06-09-23		
			D	05-09-23		
7	Implementation of data flow design pattern	CSL501.3	A	04-09-23		
			B	07-09-23		
			C	13-09-23		
			D	12-09-23		
8	Do design using Object Oriented approach and hence highlight Cohesion and Coupling in the design	CSL501.2	A	11-09-23		
			B	14-09-23		
			C	20-09-23		
			D	26-09-23		
9A	To design test cases for performing	CSL501.3	A	18-09-23		
			B	21-09-23		
			C	27-09-23		

	black box testing for the given project					
			D	03-10-23		
9B	To design test cases for performing white box testing for given project	CSL501.3	A	25-09-23		
			B	05-10-23		
			C	04-10-23		
			D	10-10-23		
10	Version controlling & Risk Analysis of the project	CSL501.3	A	09-10-23		
			B	12-10-23		
			C	11-10-23		
			D	17-10-23		

<b>Submitted By</b>	<b>Approved By</b>
	Prof. RoshniPadate      Sign:
Dr. B. S. Daga	
<b>Date of Submission:</b>	<b>Date of Approval:</b>
<b>Remarks by DQAC (if any)</b>	