CE244: SOFTWARE GROUP PROJECT-I

Credits and Hours:

Teaching Scheme	Theory	Practical	Tutorial	Total	Credit
Hours/week	0	4	-	4	**2**
Marks	0	100	-	100	

Pre-requisite courses:

- Programming Language, Software Engineering.

Outline of the Course:

- Student at the beginning of a semester may be advised by his/her supervisor (s) for recommended courses.
- Students will work together in a team (at most three) with any programming language.
- Students are required to get approval of project definition from the department.
- After approval of project definition students are required to report their project work on weekly basis to the respective internal guide.
- Project will be evaluated at least once per week in laboratory Hours during the semester and final submission will be taken at the end of the semester as a part of continuous evaluation.
- Project work should include whole SDLC of development of software / hardware system as a solution of particular problem by applying principles of Software Engineering.
- Students have to submit project with following listed documents at the time of final submission.
  a. Final Project Report
  b. Project Setup file with Source code
  c. Project Presentation (PPT)
- A student has to produce some useful outcome by conducting experiments or project work.

Total hours (Theory) : 00

Total hours (Lab) : 60

Total hours : 60

Course Outcome (COs):

At the end of the course, the students will be able to

CO1	Create enhanced employment by moulding the students with higher technical skill.
CO2	Promote creative thinking, to provide hands on actual technology.
CO3	Handle software project and get use to software development processes.
CO4	Correlate knowledge of different subjects and apply theoretical knowledge to implement project for identified problem.
CO5	Write technical report and deliver presentation by applying different visualization tools and evaluation metrics.
CO6	Improve communication and presentation skill.

Course Articulation Matrix:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	-	3	-	-	-	-	-	-	-	-	1	-	-	-
CO2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	-	-	2	-	-	-	2	-	-	-	-	-
CO4	3	-	-	-	-	-	-	-	-	-	-	-	3	-
CO5	-	-	1	-	3	2	-	-	-	3	-	-	-	2
CO6	-	-	-	-	-	-	3	1	-	3	-	2	-	3

Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put "-"

Recommended Study Material:

- **Reference book:**
  1. Books, Magazines ,Journals & online course platforms of related topics
- **Web material:**
  1. www.ieeexplore.ieee.org
  2. www.sciencedirect.com
  3. www.elsevier.com
  4. https://www.udemy.com/

5. https://www.udacity.com/
6. https://nptel.ac.in/course.html
7. https://www.futurelearn.com/

❖ **Software:**

1. PYTHON/MATLAB
2. PHP
3. ANDROID/IOS