IV Year-I Semester		**T**	**P**	**C**
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SOFTWARE ENGINEERING LAB ((RT4112N)

Course Description and Objectives:

The Software Engineering lab will facilitate the students to develop a preliminary yet practical understanding of software development process and tools

Course Outcomes:

Upon completion of the course, the student will be able to achieve the following outcomes.

Cos	Course Outcomes	POs
1	Understand the various types of Requirements & Prepare SRS.	7
2	Analyze & estimate the Effort, Duration, HR & Projected Cost of the Project.	7
3	Analyze the various types of Risks.	8
4	Implement various Design related diagrams & generate the test cases.	8
5	Prepare & Plan for a Technical Review with appropriate Inputs.	10
6	Develop Time Line & PERT charts for a Software Project.	12

Syllabus:

Take any real time problem and do the following experiments
1. Do the Requirement Analysis and Prepare SRS
2. Using COCOMO model estimate effort.
3. Calculate effort using FP oriented estimation model.
4. Analyze the Risk related to the project and prepare RMMM plan.
5. Develop Time-line chart and project table using PERT or CPM project scheduling methods.
6. Draw E-R diagrams, DFD, CFD and structured charts for the project.
7. Design of Test cases based on requirements and design.
8. Prepare FTR
9. Prepare Version control and change control for software configuration items.