4IT31: PROJECT I
CREDITS - 4(LTP: 0,0,4)

Course Objective:

To provide exposure in the field of Software/Hardware development to solve real life problems.

Teaching and Assessment Scheme:

Teaching Scheme (Hours per Week)			Credits	Assessment Scheme				Total Marks
				Theory Marks		Practical Marks		
L	T	P	C	ESE	CE	ESE	CE	
0	0	8	4	0	0	80	120	200

Course Conduction Guidelines:

- The project shall be based on the recent trends in technology and need of industry/society.
- Students will work together in a team (Team size should consist of at most four students and will be approved by departmental academic committee based on the project complexity and scope of the work).
- Students can opt for Industry defined project or User defined project.
- Selection of project definition, team members and project duration is subject to approval of departmental academic committee.
- In case of IDP, selection of industry need to be approved by departmental academic committee.
- In case of IDP, the students may be sent to the industry / premier organization for their project during allocated days in respective timetable.
- After approval of project definition, students are required to report their project work on weekly basis to the respective internal guide and/or industry guide.
- A project should incorporate all phases of software development, like requirement analysis, feasibility study, project design, implementation, testing and validation.
- Project will be evaluated in laboratory hours during the semester and final submission will be taken at the end of the semester as a part of continuous evaluation.
- Students have to submit project in CD/DVD with following listed documents at the time of final submission.
    - Project Synopsis
    - Software Requirement Specification
    - Final Project Report
    - Project Setup file with Source code
    - Project Presentation (PPT)

Course Outcomes (COs):

After successful completion of this course student will be able to:

1. Analyze existing systems, thereby select and justify parameters to be improved.
2. Work on proposed engineering solution as per industry / research / societal need.
3. Customize various tools and techniques needed for project development.
4. Understand significance of safe and ethical practices during project.
5. Work in a team with healthy working environment.
6. Develop skill to present project related activities effectively to peers, mentors and society.