

1. Introduction

Objective: Develop an Application using tool.

The Lab includes a project component wherein the students have to put into practice the software engineering methods learned to develop a software solution to a given problem by performing all the SDLC activities viz. requirements analysis & design by using appropriate CASE tools, coding, testing, project management and configuration management along with doing the necessary technical documentation based on standard templates.

Credits: 2

2. Course Outline

UNIT - I: SRS (deliverable: SRS document)

UNIT - II: High Level Design (deliverable: HLD document)

UNIT - III: Detailed Design (deliverable: DD document)

UNIT - IV: Unit test case and integrated test case design

(Deliverables: UTP and ITP documents)

UNIT - V: Implementation (deliverable: working demo of the code)

3. Reading Material

Suggested Projects

- Online Event Management System
- Online Health care System
- Vehicle Tracking System
- E-Governance application

References

1. <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=278253>
2. <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5981339>
3. <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=4578383>
4. <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5167255>
5. <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=1488512>
6. <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=741937>