Internet Application Development
Semester Project

Task 1: To develop a brief project proposal document of a web development project.

- **It must be a data driven web application**
- **Incorporate state management**
- **Validation is mandatory**
- **Data security is essential**
- **Users and roles based software functionalities to be incorporated**

Task 2: To write software requirements specification

Task 3: To develop the analysis and design model of web application including:

- **Use case model**
- **Sequence diagrams**
- **Activity diagrams**
- **Class diagrams**

Task 3A To develop component model and deployment model

Task 4: Develop database model including:

- **ER Model**
- **Relational Model**
- **Normalization of relational model**
- **Physical Model**
- **SQL Implementation**

Task 5: To implement the web application using concepts and examples studied in course.

Task 6: To host the application on a web domain.

- **Database can be on local machine**
- **Or on web hosting platform**

Task 7: Testing of Web Application