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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Lab Manual for
Project Lab KCS-851

Lab Manual - Project Lab

All final students have to make a major project which carries 400 marks. The duration of this project is 2 semester (i.e. 7th and 8th Sem.). The project work is divided in various modules. In the 7th semester they have to finish first two reports i.e. Synopsis report and the feasibility report of the project and documentation, in the even semester they have to finish the coding, implementation.

In the first module, the students have to finalize the project which they will be making as their major project, they have to finalize the other team members. Students have to find the company (if any) for which they will be making a live project. Depending upon the requirement and resources of the company they finalize the software and hardware which they are going to use. Then they have to make the schedule for the project. Finally they have to fix their project guide. Only after the approval from the project guide they are entitled to make the project, if the project guides un-approve the project then they have to change the project according to the project guide's suggestions. The time deadline for this module is normally of 35- 40 days. Synopsis report consists of:

1   Name of the project
2   Company for which one is making the project
3   Project Guide
4   Hardware and any other System Requirements
5   Software Requirements
6   Expected time of finishing the project
7   Group members

In the second module they have to submit the feasibility report to their respectiveproject coordinator. The feasibility report consists of:

1   Acknowledgements & Certification.
2   Preface/Introduction.
3   Objectives/Problem Definition.

4. Feasibility Study:-
    (i) Technical Feasibility
    (ii) Economical.
    (iii) Social/Behavioral
4   Hardware/Software Requirement.
    6. System Analysis.
    (i) DFD/State diagram/Object.
    (ii) Data Dictionary
    (iii) Tables/Data Source.
    (iv) Description of Module/Data
5   System Design.
6   Optimization & Verification.
7   Testing & Implementation.
8   Input/output.
9   Reports.
10   Glossary & Reference

The time for this module is normally 30-35 days. In technical feasibility they have to write all aspects and availability of technicality software, networking and system compatibility of the client industry.

In the last module they have to make their coding, continuous contact with the clients in industry. They also have a weekly meeting with their project guide who guides them time to time and asks and checks the statues of project .Then the students have to finally test and implement the software. In the last they have to produce the certificate of completion from the company and then have to do the documentation. While doing the documentation they have to follow the standardized formats of the Dept. Time given for this module is normally 4-5 months, depending upon projects.

In March last, the internal committee of faculty members along with project guide checks software part and documentation of the projects very thoroughly. The role of each student in the project is also assessed and evaluated.