A PARTIAL PROJECT REPORT

ON

Title

SUBMITTED BY

Name1
Name2
Name3
Name4

UNDER THE GUIDENCE OF

Name of GUIDE

DEPARTMENT OF COMPUTER ENGINEERING
P.E.S MODERN COLLEGE OF ENGINEERING
PUNE - 411005.

[2017 - 18]

Progressive Education Society's
Modern College of Engineering
Department of Computer Engineering
Shivajinagar, Pune - 411005.

CERTIFICATE

This is to certify that the following students of Final Year Computer Engineering have successfully completed the preliminary analysis and design of project entitled "Title" for the organization "PES Modern College Of Engineering"

The Group Members names are: Name1
Name2
Name3
Name4.

This is in partial fulfillment of Bachelor of Computer Engineering under Savitribai Phule Pune University.

Date:

(Name of Guide)
Internal Guide

(Prof. Dr. Mrs. S. A. Itkar)
Head
Department of Computer Engineering

External Examiner

Acknowledgement

It gives us pleasure in presenting the partial project report on **'Title'**.

Firstly, we would like to express our indebtedness appreciation to our internal guide **Guide name**. His/Her constant guidance and advice played very important role in making the execution of the report. He/She always gave us his/her suggestions, that were crucial in making this report as flawless as possible.

We would like to express our gratitude towards **Prof. Dr. Mrs. S. A. Itkar** Head of Computer Engineering Department, PES Modern College of Engineering for her kind co-operation and encouragement which helped us during the completion of this report.

Also we wish to thank our Principal, **Prof. Dr. Mrs. K. R. Joshi** and all faculty members for their whole hearted co-operation for completion of this report. We also thank our laboratory assistants for their valuable help in laboratory.

Last but not the least, the backbone of our success and confidence lies solely on blessings of dear parents and lovely friends.

Name1
Name2
Name3
Name4

Contents

Abstract

Write your Abstract

List of Figures

List of Tables

List of Abbreviations

NP ..... Non Polynomial Time

P ..... Polynomial Time

HTTP ..... Hyper Text Transfer Protocol

UDP ..... Uniform Datagram Protocol

TCP ..... Transmission Control Protocol

1.

Introduction

1.1 Brief Description

1. Write Brief Description

1.2 Problem Statement

Write problem statement

1.3 Objectives of the Project

1. Objective 1
2. Objective 2
3. Objective 3

1.4 Scope of the Project

Write scope

2.

Literature Survey

2.1 Literature Survey

The purpose of the Literature survey is to identify information relevant to project work and the potential and known impacts of it within the project area. This section should include a comprehensive report of current market survey done with respect to problem. Include study of similar systems available, if any along with their pros and cons.

This is just a guideline. Delete it and add your own contents.

3.

Design Details

3.1 Requirements Analysis

This is just a guideline. Delete it and add your own contents.

The Group is to submit a detailed write up indication the requirements that the project demands, viz.

- Actual detailed problem definition.

- The definition is to include all that is to be done and is to be put up in the final software and / or

- Hardware (product) that is to be generated from the years work (Users point of view).

Requirement may not be final and provision should be available to add features dynamically without affecting the actual flow and design of the document. Modified Requirements (After doing feasibility study) are to be prepared under all the 3 categories listed above from the developers point of view. The requirement listed herein should be feasible technically from the software / Hardware point of view. The new list is also be categorized in the 3 categories listed above. Follow the standard format of SRS.

Format of SRS

Software requirement Specification is a detailed write-up indicating the requirements that the project demands. it contains actual detailed problem definition. The definition is to include all that is to be done and is to be developed in the final software and / or Hardware (product) that is to be generated form the years work (Users point of view). The entries under this section are to be categorized under the categories,

1. Necessary functions,
2. Desirable functions, and others

Requirement may not be final and provision should be available to add features dynamically without affecting the actual flow and design of the document. Modified requirements (after doing feasibility study) are to be prepared under all the 3 categories listed above form the developers point of view. The requirements listed herein should be feasible technically form the software/ Hardware point of view.

It should include following important requirements.

1. Detailed Problem Definition
2. External Interface Requirements
   - User interfaces
   - Hardware Interfaces
   - Software Interfaces
   - Communication Interfaces
3. System Features
   -Feature 1
   -Feature 2 etc.
4. Other Non- functional requirements.
   -Performance requirements
   -Safety requirements
   -Software Quality attributes

3.2 Design Phase :

3.2.1 Block Diagram:

-It should contain an Architectural block diagram clearly explaining input, process and output of the proposed system.
-If proposed process follows algorithmic approach then an explaination along with pseudo code of that algorithm needs to be given.

3.2.2 Object Oriented:

IF project is in Object Oriented Language ex. C++, Java
-The group will draw all (all the nine) UML (Unified Modeling Language) diagrams for the project.
-These diagrams are to be refined in every aspect for this report (as per requirements finalized in phase I)
-Proper notations are to be used in all the figures drawn.
-Proper Color-coding if required is to be used.
-Extensions to diagrams / customizations may be done and represented (if the project demands it)

3.2.3 Structured Approach:

IF project is in Structured Language ex. C
-The group will draw the DFD-s (Data Flow Diagrams) for the Project. (These should be justifiable with respect to Requirement Analysis and the ERD)
-DFD Level 0, Level 1, Level 2 should be drawn in an evolutionary fashion (No entries to appear in Level 2 unless they are in Level 1, which in turn are in Level 0)
- The DFDs are to be validated and made final in a presentable fashion. Proper Color- coding is expected
- Extensions to DFD-s may be represented (if the project demands it)

3.2.4 if applicable Database ERD

ERDs (Optional, decide in consultation with guide)
-The group is to draw the ERD (Entity Relationship Diagram) for the project. (This should be justifiable with regard to Requirement Analysis)
-The ERD after getting evaluated (by dry running) is to be analyzed for incompleteness from any point of view.
-The ERD thus validated should be made fair in a presentable fashion.
-This ERD is to be included in the Report.

3.3 Planning Phase :

3.3.1 Software and Hardware Requirements:

1. The group is to finalize the Front End/ Back End required for the project as per the demands of the project.
2. The Front End/ Back End should be justifiable depending on the complexity of the project.
3. Coding Language / Methodology should be finalized/

3.3.2 Major milestones and deadlines:

1. Time requirement to be finalized and indicated
2. Actual project plan including major milestones should be decided and finalized

3.3.3 Structure of the database:

(If project has database at backend)

1. The structure of the database to be finalized depending on the complexity of the project.
2. Any Normalization required on the database is done so as to ensure correctness for the future phase.

3.4 Prototyping:

-A prototype is expected which basically includes all the MAJOR features in the project.
-The GUI/ Front end is to be prepared.(Add Snapshot)
-The structure of the database / back end (if any) to be indicated.(add Snapshot)
-The prototype is built basically to give a feel of the actual software and / or hardware (Product) that is expected Major routines / Functions are expected.

4.

Conclusion

Include conclusion from the work done with minimum of 50 words.

5.

References

Include references as per attached format

6.

Annexure - A

Laboratory assignments on project analysis of algorithmic design.

7.

Annexure - B

Laboratory assignments on project quality and reliability testing of project design at the end of Term-I

8.

Annexure - C

Project Planner and progress report after checking, removing / avoiding the plagiarism