

SOFTWARE PROJECT MANAGEMENT TOOL

FEASIBILITY REPORT

TEAM NAME-"TEAM-2"
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1 Purpose :

The main purpose of feasibility study is to consider each and every possible factor associated with the project and to determine whether the investment of time and other resources yield desired results. It also includes determining the investments, manpower and costs incurred on this project. It also considers the project parameters and define the potential solutions to the defined problem, need, or opportunity.

2 Project Idea :

To create a dynamic web based Software Project Management Application, which can be used for analyzing a sequence of events.it can manage estimation and planning, scheduling, cost control and budget management, resource allocation, collaboration software, communication, decision-making, quality management and documentation.

3 Feasibility Study :

Every project is feasible provided given unlimited resources and infinite time. But, this is not the case while working on a project. However, it is both necessary and prudent to evaluate the feasibility of a project at earliest possible time. Wastage of manpower and financial resources and untold professional embarrassment can be avoided if an ill-conceived system is recognized early in the development phase.

Feasibility study is a test of system proposal regarding its workability, impact on the client and the developer, ability to meet user needs and effective use of resources. Thus, when an application is pro-posed, it normally goes through a feasibility study before it is approved for development.

Economic Feasibility

Economic analysis is the most frequently used method for evaluating the effectiveness of a new system. The project is economically feasible . This tool is web based application so the users need internet and a computer system to access it.

Technical Feasibility

To develop this application, a high speed internet connection, a database server, a web server and IDE (such as Eclipse) are required. The current project is technically feasible as all of the team members have previous knowledge about the web development environment and moreover the team is familiar to Object-oriented programming concepts.

Social Feasibility

The application is socially feasible since it requires no technical guidance, all the modules are user friendly and execute in a manner they were designed to.

4 System Requirements

4.1 Hardware Requirements

Processor : i3 or above.

RAM : 2 GB or above.

Disk Space : 1 GB minimum.

4.2 Software Requirements

OS : Linux operating system/ Windows 7 or above.

IDE : Eclipse.

Database : MySql

Technologies : PHP, MVC

5 Risk Factors

The following risk factors are identified:

- Misunderstanding the requirements.
- Lack of adequate user involvement.
- Failure to manage end user expectations.
- Lack of required knowledge/skills in the project personnel.
- Introduction of new technology.
- Insufficient/inappropriate staffing.