PROJECT PLAN

C-TALK

Version 1.1

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Team members :

TEAM MEMBER	ID
Bhoopendra Singh	201452020
Shikhar Dhing	201452021
Venkata Sandeep	201452037
Anjali Kumari	201452042
Vipin Sahu	201452051
Prahlad	201452052
Sachin Jangid	201452060
Sunny Sankhlecha	201452061
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Revision History

Version	Description	Date	Authors	Reviewers
1.1	Project plan	11/11/2016	Sai Prahlad ,Karra Sandeep	Kenneth Tenny , Anjali Kumari

Contents

1 Introduction

1.1 Overview

The purpose of this document is to serve as a scheme to be followed during the course of our project C-Talk This document is intended to roughly identify different roles to be played by the team members at different stages of software development. This document will assist in keeping track and making an analysis of the work that is going on within the team in context of project development. This analysis can be used to remove the shortcomings of the team and the product at any stage. This, in turn will help in delivering a quality product and achieving the project goals within the time bounds specified.

1.2 Deliverables

The Deliverables of the Project include:

- Feasibility Reports
- Project Proposal
- Project Plan
- System Requirement Specifications
- User Manual
- Design Documents
- Test cases and evaluation
- Final Product - Web Application

1.3 Stakeholders

- Students of College .
- Professors of College

1.4 Assumptions, Constraints and Risks

There are some assumption like ability to read and understand English. Internet connection is must, which is basic constraint. Any change in the availability or privacy of tools and technologies we are using will affect the Project. Beyond this, no further facility with computer technology can be assumed.

2 Goals and Scope

2.1 Project Goals

- Provide a platform to students to ask their doubts freely.
- To help the teacher to easily interact answer a students question in an organized way .
- To let the teacher answer anytime and anywhere as per their schedule allows.
- To let the student access best content by voting mechanism.

2.2 Project Scope

Many students due to many factors like time or their shyness or unavailability of the professors are sometimes not able to ask and solve their doubts/queries. This affects their basic understanding of a particular topic and Academics, as a whole in some sort of a way. There are few online forums for asking questions of this sort, but they are not so efficient for students because the answers they get can confuse them. To increase the efficiency of responses/answers, it would be nice if they get their doubts cleared from the teachers who have an idea of where a student stands, as far as his/her technical skills are concerned. So this will be solved by building a dedicated web application for the university, where every student enrolled for a certain course in that university can access the platform, where they can post their academic queries or doubts and A professor may reply to those queries as soon as possible

2.3 SDLC Model

For our project idea, we are not completely sure about all the requirements and specifiation. So we need a model where making modifications is easy and in Iterative

waterfall model, it is easier to make corrections as the iterations progress. Our team can start working with the knowledge of initial requirement and by improving product step by step, we can track the defects at early stages. This avoids the downward flow of defects. Difficulty in design, coding and testing a modification should signal the need for redsign or re-coding. Some working functionality can be developed quickly and early in the life cycle. Results are obtained early Less costly to change the scope/requirements. Testing and debugging during smaller iterations is easy. We can identify risks and resolve during iteration; and each iteration is an easily managed milestone. It is easier to manage risks. High risk part is done first where every increment operational product is delivered. Issues, challenges risks identified from each increment can be utilized/applied to the next increment.

3 Organization

NAME	ID	ROLES	RESPONSIBILITY
Sai Prahlad	201452052	Team Member	Software Development (FrontEn Design, Requirement Collection
Sikhar Dhing	201452021	Team Member	Software Development(BackEnd Web Designing, Database Management, Software Testing
Anjali Kumari	201452042	Team Leader	Software Development (Frontenc Design, Requirement Gathering
Karra Sandeep	201452037	Team Member	Documentation and Review, Designing, Requirement Collecti
Kenneth	201452066	Team Member	software development(BackEnd) Web designing, Database Management, Software Testing
Vipin sahu	201452051	Team Member	Web Designing, Requirement Collection
Sunny Sankhlecha	201452061	Team Member	Software Testing, Web Designing, Documentation and Review
Sachi jangid	201452060	Team Member	Software Development (Frontend and Backend),
Bhoopendar singh	201452020	Team Member	Database Management, Software Development (Frontenc

4 Schedule and Milestones

Milestones	Deliverables	Proposed Deadline
Feasibility Study	Feasibility Reports	23 August,2016
Finalizing accepted project	Project Proposal	2 September, 2016
Requirement Collection and Analysis	SRS	5 September, 2016
Planning and scheduling work load	Project Plan	25 September,2016
Traceability Matrix	Traceability Matrix	5 October, 2016
Test Plan	Test Plan	TBD
User Manual	User Manual	TBD
Design	High and Low level design	30 October, 2016
Coding and Unit Testing	Each Module Tested	30 October, 2016
Testing and final changes	Test Reports	6 November,2016
Product deployment	Final product and documentation	15 November, 2016

5 Cost Estimation

The cost of project is mainly due to human resources, but other costs like hardware and software are also included while estimating the overall cost.

5.1 Hardware

- Machine(computer).
- Memory

Hardware required in project is available to all the group members, so cost of hardware is not counted.

5.2 Software

- For the front-end of our Web Application, HTML, CSS, JavaScript, Bootstrap
- For the back-end of our Web Application, NodeJS/ Ruby on Rails
- For the database of our Web Application, MongoDB/ MySQL
- We would use a combination according to the compatibility of the web application.Heroku

All the softwares that are needed in project are freewares, so they are also not counted in cost estimation.

5.3 Human Resources

- Our team size is of 9 members.
- Every group member works around 8 hours(including lab hours but excluding meetings) per week.
- We will be having total of 9 working weeks.
- Total estimated time required will be 9 x 8 x 9 = 648 person hours.

6 Communication and Reporting

7 Project Management and Quality Control

The project will be continuously monitored. Regular meetings are and will be held to ensure that the progress of the project is tracked. Full effort will be made to ensure that the deadlines mentioned in the schedule are adhered to. To ensure that the work is done efficiently, the group members will be further divided into sub-groups so that the project can progress parallely towards completion. Proper conventions and standards will be followed in each phase. To ensure that quality levels are maintained, each deliverable will go through the process of review. Further, to make sure that no loopholes are left uncovered, members apart from the authors will be involved in reviewing the deliverables. Finally, regular contact will be maintained with the client so as to ensure that his requirements are fulfilled.