CAMPUSTALK

**Project Plan**

**Team-5**

**IT-632 Software Engineering**

**Instructor- Prof. Asim Banerjee**

**Revision History**

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| --- | --- | --- | --- |
| Version | Author(s) | Date | Description |
| 1.0 | Sunny Lalwani | 13th Aug 2012 | Created |
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1. **OVERVIEW**

**INTRODUCTION**

The students of DA-IICT are facing the problem to connect with each other’s within campus offline. They cannot have any offline platform to connect with each other’s which allows them to share information about various events, and knowledge. Facing difficulties to connect with various group members when they want to have certain discussion about their academic project or have others information to share. Even students and professors do not have any way to share their knowledge to each others. The only way to communicate with each other’s is mailing system of institute. But it’s not an efficient way to share knowledge.

There are various social networks platform available for the same, but as they are restricted by institute authorities for accessing during the study time. So this would be not a solution to the problem.

The only solution is proposed system by software engineering team 05 of M.Sc. IT 2011 batch. This system addresses all such issues/difficulties of students, professors for sharing offline within campus.

**Purpose Of The Document**

* Purpose of creating this document is to understand and plan and approach towards the system.
* This document contains roles and responsibilities of different team members.
* Provide rough overview of different Cost-estimate.
* It helps in monitoring the progress of the projects and its various milestones.
* It also provide risk analysis of the project.

**Project Objective**

The objective of CampusTalk is to provide a complete intranet ready browser based webapp that allows internal communication between students and professors without relying on any third-party service. The webapp comprises modern web standards to provide desktop-like seamless experience within web browser.

**Project Scope**

Campus Talk is an Intranet-based College network helps connect with students, professors and fellow batch mates offline. It can be used to share opinions, announcements, etc. publicly to all the students without any need of using third-party networking service. College has full control over the access of the service and users who wish to use it.

System is accessible on campus intranet, and can access by only authorized users of the system like registered professors and students. System access is bounded for campus communication of authorized users with the proposed features.

System may be expanded to use by others colleges/institute for their internal communication and sharing purpose.

**Team Member**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Name** | **ID** |
| 1 | Piyush Gupta | 201112007 |
| 2 | Aresha Vora – Team Leader | 201112030 |
| 3 | Sunnykumar Lalwani. | 201112033 |
| 4 | Darshil Shah | 201112035 |
| 5 | Kushal Pandya – Team Coordinator | 201112039 |
| 6 | Shreeji Patel | 201112057 |
| 7 | Faishal Saiyed | 201112071 |
| 8 | Ravi verma | 201112081 |
| 9 | Hiral Shah | 201112089 |

1. **Project Development Plan**

**Project Deliverables**

**1. User Manual:** user manual will be in form of wiki which contain the necessary instructions and guidelines for using the software.

**2. Project Plan:** The plan for developing the required system produced during the inception phase and refined in the subsequent phases. It includes schedules, project plans, commitments and resources. The estimates and plans in this document will continually change the project.

**3. Software Requirements Specification:** Provides the guidelines used by system being developed for communication in the college network between students and professors, called

CampusTalk, to establish standard requirement documents, requirement types, attributes and traceability. It confines general strategy behind the project and serves as resource for all persons participating in this project.

**4. Design Model:** Describes how the software is structured into packages and classes using different Rational Rose Diagrams which produced during Design and Implementation phases.

**5. System Test Plan:** Provides an overview of the test effort throughout the life of the project. This document is created during the Design phase and updated during Implementation phase and refined during the Maintenance phase.

**6. Test report:** Provides an overview of the outputs of all the tests performed to check if all the different modules are distinctly working properly and also the whole system together is working properly or not.

**7. The final tested system:** It is the final working product without errors.

**ASSUMPTIONS**

1. Know Basic English.

2. Know Basic handling of computer.

3. Familiar with social websites basic features.

**Constraints**

1. Need a good server which can provide us a decent bandwidth to support the courses offered.

2. Admin for Controlling and Monitoring Project.

**Schedule & Mile-Stone**



1. **Project Organization**

**Approach**

According to the above project timeline group will strictly follow the discipline of planning, organizing and managing resources to achieve specific goals and campaigns result from quality stakeholder engagement, examine, careful planning, implementation, and constant adjustments based on feedback.

The group would have meetings among the team members weekly. Appropriate allocation of responsibilities would be done in the phases namely user consultation and survey, requirement analysis, design, implementation and testing. This would be done after discussions in the periodic meetings of the group. The work of the individuals would be reviewed in the meetings and will be motivated to do work.

**Cost Estimation**

There will be no financial cost involved as such. We can consider the person hour to be the cost involved in the project development. The total person hour put into the project can be considered to be approximately 60 hrs. We have about 12 weeks of time. So total person hours put into the project development = 60\*12 = 720. This value is an approximation. It is subject to change.

**Roles and responsibilities**

|  |  |  |
| --- | --- | --- |
| **Sno.** | **Name** | **Responsibilities** |
| 1. | Piyush Gupta |  |
| 2. | Aresha Vora – Team Leader |  |
| 3. | Sunnykumar Lalwani. |  |
| 4. | Darshil Shah |  |
| 5. | Kushal Pandya – Team Coordinator |  |
| 6. | Shreeji Patel |  |
| 7. | Faishal Saiyed |  |
| 8. | Ravi verma |  |
| 9. | Hiral Shah |  |

1. **Risk Management Process**

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| --- | --- | --- |
| **S No** | **Risk** | **Management Plan** |
| 1 | Difficulty in summit the deadline | We have kept the team’s deadline 5 days prior to the deadlines proposed in the project milestones. |
| 2 | Insufficient technological knowledge | Taking help from the open source community. |
| 3 | Inconsistent reviews | If review is inconsistent we will try to implement the requirements if it seems to be correct. |
| 4 | Group member falling ill | If anyone who has no work that time he would complete that work. |

1. **Project Monitoring & Control**

**Monitoring**

For project monitoring there is a provision of periodic review meeting to be held at least twice a week. The group has been divided into subgroups. These subgroups will work as a unit on their task. At regular intervals all the subgroups will meet with their works. All the work done by any of the team member will be share on Drop box for review from other members. If the work requires the whole team, we are using labs for discussion and meeting.

**Quality Control**

For the quality control tests will be made at regular time periods. We will be following the traditional conventions such as development conventions etc. To make sure that each deliverable factors the needed top quality, it will go through appropriate assessment procedure. Further quality control information will be provided in the quality control Documents.

**Reporting and measurement**

Basic factors depending on which the improvement of the project will be monitored are time and effort. At the end of each component or phase, the improvement is analyzed and the plan may or may not be changed depending on the improvement made in previous component.

1. **Technical Process Plan**

**Methods tools and Techniques**

The method involves coding of the UI to be done in HTML5, CSS3, JSON,  [CommonUtils 0.1](https://github.com/kushalpandya/CommonUtils), [jQuery](http://jquery.com/), [JSONify](https://github.com/kushalpandya/JSONify), [Backbone](http://backbonejs.org/), [RequireJS](http://requirejs.org/), [Walrus](http://documentup.com/jeremyruppel/walrus/), [Twitter Bootstrap](http://twitter.github.com/bootstrap/),[Less](http://lesscss.org/).

**Acceptance Criteria:**

1) The software should be easy to use (User-friendly).

2) For beginners it is easy to understanding and accessing the website.

3) Easy interaction between any professor and student.

4) Ease to use Features.

1. **Learning & Study Plan**

Technologies such as Apache have to be familiarized with; along with HTML5, CSS3, JSON,  [CommonUtils 0.1](https://github.com/kushalpandya/CommonUtils), [jQuery](http://jquery.com/), [JSONify](https://github.com/kushalpandya/JSONify), [Backbone](http://backbonejs.org/), [RequireJS](http://requirejs.org/), [Walrus](http://documentup.com/jeremyruppel/walrus/), [Twitter Bootstrap](http://twitter.github.com/bootstrap/),[Less](http://lesscss.org/). The method we are using is self-learning using online tutorial on websites. We have made tech milestones in which each team members have to do the given assignment before the due date.

The project requires minimal learning effort from the user, since the working of the application is extremely intuitive. User manual is made.

1. **Conclusion**

A project plan details all the projects which need to be done, by whom and when. It also information the advanced stage objectives which are key check points on the project thus obvious the various levels of application growth. It creates the process of growth a lot simpler .The whole project has been organized out and organized for, but it is unavoidable that that the objectives will see some changes due to the modify in the knowing of the various sub projects associated with the project. The Project Plan will hence will be discovered modifying until we reach a thorough knowing of the venture, the aspects impacting it and the risks involved in it etc.