

**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**

**AMRITA VISHWA VIDYAPEETHAM**

**AMRITAPURI CAMPUS (INDIA)**

**February 2020**

**Collaborative Team Management System**

Team Incognito

Team Members:

Shanumuk Sridhar - AM.EN.U4CSE17345

K. Pushpak - AM.EN.U4CSE17308

Niranjan Vadla - AM.EN.U4CSE17505

Vishnu Dev TJ - AM.EN.U4CSE17352

Smriti Pillai - AM.EN.U4CSE17324

**PROJECT MANAGEMENT PLAN FOR COLLABORATIVE TOOL**

1. **PROJECT SUMMARY**

**1.1 PROJECT OVERVIEW:**

The purpose of a collaboration tool is to support a group of two or more individuals to communicate with each other using a platform.People can discuss their interests by having one-to-one chats or a group chat, share files, images. The design intent of collaborative software is to transform the way documents and [rich media](https://en.wikipedia.org/wiki/Rich_media) are shared in order to enable more effective ways of communication.

**1.2 PROJECT SCOPE:**

With the help of this collaborative tool, it is no longer necessary for the members to be at the same location. So it basically manages time and money spent on traveling to talk to other people. This can be featured in chats, threads, tags and file transfers.

This collaborative web application allows groups or teams to join a workspace via

a specific URL or link sent by the admin(person who creates the group). All the team members can share content such as files and images and can search for conversations and people within the group. There is a public discussion group with all the members and also where people can direct message another person.

**1.3 DEVELOPMENT PROCESS:**

We follow the agile methodology of software development. The product will be developed in two sprints.

**SPRINT 1:**

The core modules will be developed in this sprint which would include the following functions:

* Login and Registration page.
* Anyone can create a group. Person who creates the group becomes the admin.
* Admin can add members to the group.
* The members can message in the group.
* Members can share files and images in the group.
* People can send private messages.

**SPRINT 2:**

This iteration would complete the product in its full functionality with professional UI. The following enhancements will be done in this sprint:

* Admin can remove any team member if needed.
* People can join groups using URL given to them.
* People can highlight a message and reply to it from the previous chat.
* Search for previous messages sent by a specific person using some keywords.
* People can delete sent messages.

1. **REQUIREMENT SPECIFICATION:**

**2.1 Functional Requirements:**

* All members of the group can communicate with each other without any constraints.
* Private messages can be sent by searching the member from the list of the members already registered.
* Only admin can carry out the function of adding members to the group and removing people from the group.

**2.2 Non-Functional Requirements:**

* There should be real-time updates of all events taking place in the group.
* All the data from previous messages should be accessible at any time.

**2.3 User Characteristics:**

The main users of this system will be a team or a group who wants to work collaboratively on a project or want to be a part of some discussion forum.

**2.4 General Constraint:**

* There will be a limit to the number of users who can be a part of the group.
* Only the admin can add/remove people from the group for security purposes.
* Send private messages only if the other member has also registered.

**2.5 General Assumptions and Dependencies:**

* Any one can form a group and the person forming the group will be the admin.
* Same person can be a part of many other groups.

1. **TEAM ORGANIZATION:**

The team comprises the following persons. We will have a small team, hence we use a flat team structure of peers with one person having an additional role of scrum master.

The following table gives the organization:

|  |  |
| --- | --- |
| **Name** | **Role** |
| Maya Menon | Product Owner |
| Shanmukh Sridhar | Scrum Master/Tester |
| Niranjan Vadla | Tester |
| Pushpak | Developer |
| Vishnu Dev TJ | Developer |
| Smriti Pillai | Developer |