



**SYNOPSIS**  
**ON**  
**Hangout Hub**

**Submitted By:**

Rajat Pandey, C, (191500627)

Ashutosh Tripathi, E, (191500172)

Parth Sharma, F , (191500530)

**Submitted To:**

Mr. Md Farmanul Haque

Technical Trainer

Department of T&D

# **INTRODUCTION**

Teleconferencing or chatting, is a method of using technology to bring people and ideas "together" despite of the geographical barriers. The technology has been available for years but the acceptance was quit recent. Our project is an example of a chat server. It is made up of 2 applications the client application, which runs on the user's Pc and server application, which runs on any Pc on the network. To start chatting client should get connected to server where they can practice two kinds of chatting, public one (message is broadcasted to all connected users) and private one (between any 2 users only).

Communication over a network is one field where this tool finds wide ranging application. Chat application establishes a connection between 2 or more systems connected over an intra net or ad-hoc. This tool can be used for large scale communication and conferencing in an organization or campus of vast size, thus increasing the standard of co-operation. In addition it converts the complex concept of sockets to a user friendly environment. This software can have further potentials, such as file transfer and voice chatting options that can be worked upon later.

## **EXISTING SYSTEM**

- 1)The existing system has some loopholes which is affecting the company and the client relationships.
- 2)We can also see that people are gradually losing their faith on the chat applications for leaking of personal data due to less security
- 3) We as a team developing this project has kept in mind to overcomes all the cons that the existing system of chat based application world have.
- 4) We present a flawless GUI and also security policies to enhance the chatting experience and feedback of our customers.
- 5) Provides the searching facilities based on various factors. Such as Online Chat, Chat History, Chat profile, to Users..

## **USE OF THE PROJECT**

- **Quick connections**

Rather than waiting on hold listening to awful music, or waiting an unknown stretch of time for an email response, live chat offers an instant connection to a real person.

- **Ensuring security**

When dealing with sensitive information like compliance requirement or personal user information, making sure that your chat application has proper security features in place is crucial for ensuring the data of those using your app is protected.

- **Saves time**

Time is precious for everyone. So instead getting on a call with another person and getting distracted from the topic you wanted to discuss. Instead use a chat application and directly send the text related to the topic for discussion.

- **Allows you to harvest data**

With live chat comes reams of valuable data. The pre-chat survey yields key contact details, chat sessions are rich with information, and post-chat surveys provide you with useful feedback.

## **Feasibility of Project**

Doing the project Hangout-Hub, study and analyzing all the existing or required functionalities of the system, the next task is to do the easibility study for the project. All projects are feasible given unlimited resources and infinite time.

Feasibility study includes consideration of all the possible ways to provide a solution to the given problem. The proposed solution should satisfy all the user requirements and should be flexible enough so that future changes can be easily done based on the future upcoming requirements.

### **A. Technical Feasibility**

This included the study of function, performance and constraints that may affect the ability to achieve an acceptable system. For this feasibility study, we studied complete functionality to be provided in the system, as described in the System Requirement Specification (SRS).

### **B. Economical Feasibility**

This is a very important aspect to be considered while developing a project. We decided the technology based on minimum possible cost factor.

- All hardware and software cost has to be borne by the organization.
- Overall we have estimated that the benefits the organization is going to receive from the proposed system will surely overcome the initial costs and the later in running cost for system.

## **Functional Specification**

- Provides the searching facilities based on various factors. Such as Online Chat, Chat History, Chat Profile.
- Online Chat Application also manages the smilies chat details online for Chat profiles.
- It tracks all the information of Chat Application, Chat Profile, etc.
- Manages the information of Chat Application.
- It deals with monitoring the information and transactions of Chat Application.
- Editing, adding and updating of Records is improved which results in proper resource management of student data.

## **Software Specification:**

- Technology Implemented : MERN Stack
- Language Used : JavaScript
- Database : MongoDB

## **Hardware Requirements:**

- Processor : Intel i3
- Operating System : Windows 10
- RAM : 4GB
- Hardware Devices : Desktop and Laptops
- Hard disk : 512GB
- Display : 14 inch

# **FUTURE SCOPE**

## **FUTURE SCOPE OF APPLICATION :**

This application can be easily implemented under various situations. We can add new features as and when required. Reusability is possible as there is flexibility in all the modules.

## **SOFTWARE SCOPE:**

- Extensibility:

This software is extendable. As other features can also be added in this project like Video Calling, File Transfer.

- Reusability:

Reusability is possible as and when required in this application. We can update it next version. Reusable software reduces design, coding and testing cost by reducing effort over several designs. Reducing the amount of code also simplifies understanding, which increases the likelihood that the code is correct. We follow up both types of reusability. Sharing of newly written code within a project and reuse of previously written code on new projects.