**Introduction**

This project Online Chat Application is used basically for chatting purpose with the remote clients or users on internet. Online Chat Application project in PHP allows peoples to chat with their friend circles and send invitations to their other friends to join this chat system. To start chatting users will have to first register with this new system and check their email which has been used during registration process then you can login by your email or username and password.

It will also supports status feature where you can write your current status like busy, available, hidden as per users choice. For secure log in and authentication, data of log in id and password will be directly checked from the user’s database and if data matched. It will be redirected to the system home page, where user’s can start their new operations such as chatting , sending invitations. The main objective for developing this project to a social media application for user’s of similar interest. It can help for managing communication system between friends, employees, family, customers etc.

**Need For Computerization**

The main reason to computerize this system is there’s no distance limit users can chat from anywhere around the world. Users can share media files also such as videos , pictures , voice notes. It is secure system the messages are directly to another user no can read the message except the user who is sending the message and user who is receiving the message.

**Scope of the Proposed System**

* It is very secure.
* There’s no distance limit.
* Users can chat from anywhere around the world.
* User’s can share media files also like pictures, videos, voice.
* Secure connection between two users.

**Objectives**

* User friendly.
* Easy to operate.
* Attractive user interface.
* Provides secure connection between two users.
* Media file sharing.
* User’s can also unsend(delete) messages.

**Fact Finding Techniques**

Fact finding technique is a part of system analysis. Through this technique we collect information related to the system.

**Questionaries:**

In our project we ask some questions to users by following ways

1. Do you suggest any improvement?
2. Do you like the UI?
3. Do you think it is user friendly or not?
4. Do you suggest any changes?

**Record Review:**

Record review is the technique which can be performed in the beginning of the study to collect initial information or at the end of study to compare the actual operations.

Information related with the system may be present in the form of records like manuals, documents, reports etc. This record review provides valuable information.

**Hardware and Software Requirements**

**Hardware:**

**Processor :** Intel Core i3.

**Hard Disk :** 50GB.

**RAM :** 4GB min.

**Software:**

**Operating System :** Windows XP or Windows7.

**Front-End :** PHP language.

**Back-End :** mysql**.**

**Software:** Web Browser’s like Chrome , Mozilla , IE.

**Feasibility Study**

Feasibility study lets the developer foresee the future of the project and the usefulness. A feasibility study of a system proposal is according to its workability, which is the impact on the organization, ability to meet their user needs and effective use of resources.

**Technical Feasibility:**

Technical Feasibility refers to the ability of the process to take advantage of the current state of the technology in pursuing further improvement .

**Operational Feasibility:**

Operational Feasibility concerns itself with the integration of the product’s in the organization for which is intended. It should address the below factors:

* System is operational reliable?
* Changes to client user workflow?

**Economical Feasibility:**

* The developing system must be justified by cost and benefit.

Project work, there is no manual cost to spend for the proposed system. Also all the resources are already available, it give an indication of the system is economically possible for development.