**Amrita Vishwa Vidyapeetham**

**Amrita School of Engineering, Bengaluru**

Logo, company name

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**Department of Computer Science and Engineering**

**19CSE202 – Data base management system**

**Report**

***Submitted by***

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**Topic : MINI-CHAT APPLICATION**

**Abstract :**

The objective of this project was to build mini–Chat App to chat among people.

An online communication allows the users to communicate with other people in a fast and convenient way.

Our objective is that the online communication application must be able share the texts or images or any other files in a faster way with minimum delay and with easy-to-handle technology to work with. The Chat-Application was implemented to be used with the help of popular frontend technology which offers cost free backend for the chat messages and data and the backend is powerful real-time database with high security. All the tools showed the accuracy of our project.

**Functions :**

User registration

User Login

Message Broadcasting

**ER DIAGRAM :**

**MINI-CHAT APPLICATION**

Diagram

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**TABLES :**

User(userId, pwd, username, userEmail, phNo)

Friends\_list( userId, username, User.userId)  
  
Chat History (userId, chatId)

G\_chat(chatId, Gid, G\_Desc, GCH)

P\_chat(chatId , Pid, PCH)

Admin( chatId, Gid, UserId)

Graphical user interface, application

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**MODULES AND FUNCTIONALITIES :**

* User Registration and Authentication
* Individual and group messaging
* Push notifications
* Sharing of media files

**TECHNOLOGIES USED :**

**Frontend :**

**LAUNGUAGES : HTML , CSS , JAVASCRIPT , BOOTSTRAP.**

**Backend :**

**LAUNGUAGES : NODEJS , SQL (DBMS) , SOCKET.IO (WEB-SOCKETS), POSTMAN(API-TESTING) .**

**UI DESIGN :**

**Graphical user interface, text, application

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