



**COLLEGE CODE : 9623**

**COLLEGE NAME : Amrita College Of Engineering And Technology**

**DEPARTMENT : Computer Science and Engineering**

**STUDENT NM-ID : F58A45CD199F65582904B377E24880E9**

**ROLL NO : 962323104078**

**DATE : 11-09-2025**

Completed the project named as Phase\_01\_ ChatApplicationUI

**NAME : Chat Application UI**

**SUBMITTED BY,**

**NAME : Raffrin Narmadh V M**

**MOBILE NO : 7845411725**

# Why do we need a Chat Application?

- - Connects people instantly, anytime and anywhere
- - Replaces lengthy emails with quick messaging
- - Useful for personal, educational, and professional communication
- - Enhances collaboration with real-time updates

# Introduction

- - Communication is vital in the digital era
- - Existing apps often lack simplicity or customization
- - Users face issues with cluttered UI and limited personalization
- - Our project focuses on a clean, user-friendly UI for seamless chats

# Problem Statement (1)

- - Need for an easy-to-use, lightweight chat solution
- - Users want smooth navigation without distractions
- - Existing apps may overload users with unnecessary features
- - Our goal: focus on usability + clarity

# Problem Statement (2)

- - Students: need group discussions & quick info sharing
- - Professionals: need structured team communication
- - General users: want personal, secure chatting
- - Solution: One app that works for all

# Primary Users

- - Students & educational institutions
- - Professionals & corporate teams
- - Families & friends
- - Developers exploring UI/UX design

# Users and Stakeholders (1)

- - Users: everyday people, students, professionals
- - Development team: designers, developers, testers
- - Product owners: ensuring project goals
- - Investors/clients: interested in adoption & scalability

# Users and Stakeholders (2)

- - “As a student, I want a group chat feature to coordinate projects.”
- - “As a professional, I want message search to quickly find information.”
- - “As a user, I want a simple, minimal UI without distractions.”



# User Stories

- - “As a user, I want to send/receive messages in real time.”
- - “As a user, I want to create groups for teamwork.”
- - “As a user, I want my chats to be available across devices.”

# MVP Features (1)

- - Send and receive text messages instantly
- - Create groups & private chats
- - Online/offline user status indicators
- - Typing indicators

# MVP Features (2)

- - Responsive design (mobile & desktop)
- - Simple, clutter-free UI
- - Notifications for new messages
- - Basic security (encrypted messages)

# Wireframes (Visual Idea)

- - Home Screen: Recent Chats list
- - Chat Window: Message bubbles (sender & receiver)
- - Input Area: Text box + Send button
- - Clear icons for Attachments, Settings

# API Endpoint List (Sample)

- - GET /messages → Retrieve all messages
- - POST /messages → Send a new message
- - PUT /messages/{id} → Edit a message
- - DELETE /messages/{id} → Delete a message
- - GET /users/status → Fetch online/offline status

# Acceptance Criteria

- - Users can send & receive messages in real time
- - Messages should sync across devices
- - Groups must allow multiple users without lag
- - App must work on both mobile and desktop

# Conclusion

- - Chat App UI: a simple yet powerful solution for communication
- - Designed with clarity, usability, and responsiveness
- - Next steps: gather user feedback, add advanced features (media sharing, voice calls)