Total Time: 1 Month (4 Weeks)

Team Composition:

- Authentication Team: Login and signup functionality.
- Chat Team:Chat feature (Audio + Video + Text)
- Teams (Spaces) :Develop team space functionalities.
- Calls : Video and audio call features.
- Homepage Team : Homepage design and functionality.
- Report & Website Team : Progress report and company website.

Week 1: Setup and Initial Development

- Authentication Team:
    - Frontend: Design UI for login and signup pages using React.
    - Backend: Start learning about authentication services (e.g., Firebase Auth).
- Chat Team:
    - Frontend: Create a basic chat interface with React.
    - Backend: Begin learning about real-time databases (e.g., Firebase Realtime Database).
- Teams/Groups Team:
    - Frontend: Design UI for team/group creation and management.
    - Backend: Learn about relevant firebase features to handle this.
- Events Team:
    - Frontend: Sketch out settings and event scheduling interfaces.
    - Backend: Start learning about APIs for settings management and event handling.

- Calls Team:
    - Frontend: Plan the UI for video and audio calls.

- Backend: Learn about WebRTC or similar technologies for real-time communication.
- Homepage Team:
  - Frontend: Design and implement the homepage layout.
  - Backend: Get familiar with routing and data fetching.

Week 2: Backend + Development and Integration

- Authentication Team:
  - Frontend: Refine UI and start connecting to the backend.
  - Backend: Implement authentication logic and database integration.
- Chat Team:
  - Frontend: Integrate chat UI with real-time database updates.
  - Backend: Set up and test database for storing and retrieving messages.
- Teams/Groups Team:
  - Frontend: Integrate team/group management UI with backend services.
  - Backend: Develop APIs for creating and managing teams/groups.
- Settings/Events Team:
  - Frontend: Connect settings and event UI with backend APIs.
  - Backend: Implement logic for managing user settings and scheduling events.
- Calls Team:
  - Frontend: Start implementing call UI features.
  - Backend: Establish basic real-time communication channels.
- Homepage Team:
  - Frontend: Enhance the homepage with dynamic content and navigation.
  - Backend: Implement server-side rendering or static generation as appropriate.

Week 3: Refinement + Connecting it all - (Flexible)

- All Teams:
  - Frontend: Test UI components, ensure responsiveness and usability.
  - Backend: Test APIs and database interactions, ensure security and performance.
  - Integration: Ensure frontend and backend components work seamlessly together.
  - Learning: Continue enhancing skills in areas identified as weak during development.

Week 4: Finalization and Documentation (Flexible)

- All Teams:
  - Frontend & Backend: Fix any remaining bugs, optimize performance, and refine user experience.
  - Documentation: Document code, write usage instructions, and describe features.
  - Preparation: Prepare for the application demonstration, including creating presentation materials.

- Report & Website Team (Throughout all sprints):
  - Weeks 1-2: Plan and start designing the company website; outline the progress report.
  - Week 3: Develop and finalize the company website; detail sections of the progress report as features are completed.
  - Week 4: Finalize the progress report; assist in preparing for the application demonstration.

Notes:

- Weekly Meetings: Essential to track progress, address challenges, and adapt plans.
- Peer Review: Encourage teams to review each other's work for quality assurance.
- Adaptability: Be ready to adjust tasks based on the progress and learning curve of the team members.

Team Composition with members:

- Authentication Team (2 members): Login and signup functionality.

  --- Usman, Faiz
- Chat Team (1 members): Chat feature.
  - Group (same 2 members): Creation and management of teams/groups in chat.

  --- Eliyas, Abhinav
- Teams (Spaces) (3 members): Develop team space functionalities.

  --- Hemansi , Faiz ,Vinay
- Calls (2 members): Video and audio call features.

  --- Neola , Eliyas
- Homepage Team (Including events) (4 member): Homepage design and functionality.

  ---vinay , Priya , Eliyas, usman
- Report & Website Team (5 member): Progress report and company website.

  -- Priya , Joylin , Haris , Patson, Faiz, vinay