**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