

2235-CSE-5335-: WEB DATA MANAGEMENT

Ainesh Gunturu (1002248191) - Team lead Jahnavi Garikipati (1002200930) - Frontend + AI researcher Narain Sarathy Jawahar (1002223825) - Documentation + Tester Amruth Bhargav Katakam (1002237703) - UX designer Sakshi Omprakash Khanapure (1002175905) - Scrum reporter + Backend

PHASE 1 Kickoff

PROGRESS REPORT - MINUTES OF MEETING 1

week: 1 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 09/03/2025 Wed 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi

Omprakash Khanapure **meeting modality:** virtual

project phase: 1 (Project Kickoff)

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Roadmap: Draft initial project phases and high-level timeline. - Scope Control: Begin drafting the MVP feature list. - Risk Log: Create the risk log document.
Jahnavi Garikipati	- AI Use Cases: Outline the primary AI features and their objectives. - Prompt Library: Research and structure the initial prompt library.
Narain Sarathy Jawahar	- Proposal: Create the project proposal outline and start the abstract. - AI-Reflection Outline: Draft the main sections for the reflection.
Amruth Bhargav Katakam	- User Journeys: Sketch initial concepts for user flows. - Wireframes: Brainstorm layout ideas for the main dashboard.
Sakshi Omprakash Khanapure	- Scrum Reporter: Set up meeting schedule and templates. - Weekly Update: Establish the format for progress updates.

Comments by Note-Taker:

- Team aligned on Phase 1 goals. Initial drafts expected by next meeting.

PROGRESS REPORT - MINUTES OF MEETING 2

week: 1 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 09/06/2025 Fri 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi

Omprakash Khanapure **meeting modality:** virtual

project phase: 1

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Roadmap: Refine timeline based on team feedback. - Scope Control: Finalize the MVP feature list for review. - Risk Log: Expand risk log with mitigation strategies.
Jahnavi Garikipati	- AI Use Cases: Finalize technical requirements for AI features. - Prompt Library: Draft version 1 of prompts for the Q&A bot.
Narain Sarathy Jawahar	- Proposal: Complete the first full draft of the project proposal. - AI-Reflection Outline: Flesh out key points for each section.
Amruth Bhargav Katakam	- User Journeys: Create detailed maps of the primary user flows. - Wireframes: Develop low-fidelity wireframes for dashboard/scheduling.
Sakshi Omprakash Khanapure	- Scrum Reporter: Distribute minutes from Meeting 1. - Weekly Update: Compile and send the first weekly progress report.

Backlogs:

- Refining the Q&A bot's prompt library needs more specific examples.

Comments by Note-Taker:

- Good progress on foundational documents. Focus is on finalizing the proposal and wireframes.

PROGRESS REPORT - MINUTES OF MEETING 3

week: 2 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 09/10/2025 Wed 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi Omprakash Khanapure

meeting modality: virtual

project phase: 1

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Roadmap: Finalize the project roadmap for Phase 1. - Scope Control: Get team sign-off on the MVP feature list. - Risk Log: Review and update risk log.
Jahnavi Garikipati	- Prompt Library: Refine Q&A prompts and finalize summarizer prompts. - AI Documentation: Consolidate all AI-related planning documents.
Narain Sarathy Jawahar	- Proposal: Incorporate team feedback into the project proposal. - AI-Reflection Outline: Finalize the outline for team review.
Amruth Bhargav Katakam	- Wireframes: Refine low-fidelity wireframes based on feedback. - UI Research: Research and propose 2-3 UI component libraries.

Assigned To	Tasks
Sakshi Omprakash Khanapure	- Progress Summary: Prepare a summary of Phase 1 progress. - Meeting Coordination: Schedule the final Phase 1 review meeting.

Backlogs:

- Decision on a specific UI component library is pending.

Comments by Note-Taker:

- Project proposal is comprehensive; team feedback needed.

PROGRESS REPORT - MINUTES OF MEETING 4

week: 2 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 09/12/2025 Fri 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi

Omprakash Khanapure **meeting modality:** virtual

project phase: 1 (Phase 1 Closeout)

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Phase 1 Closeout: Archive all final Phase 1 documents. - Phase 2 Planning: Create the initial project board/backlog for Phase 2.
Jahnnavi Garikipati	- AI Documentation: Submit final AI use case and prompt library documents. - Phase 2 Prep: Review Phase 2 frontend tasks for AI integration.
Narain Sarathy Jawahar	- Proposal: Submit the final, approved version of the project proposal. - AI-Reflection: Submit the final AI-reflection outline.
Amruth Bhargav Katakam	- Final Designs: Submit final wireframes and user journey maps. - UI Decision: Announce the chosen UI library for Phase 2.
Sakshi Omprakash Khanapure	- Final Report: Compile and distribute the final Phase 1 progress report. - Record Keeping: Ensure all meeting notes are logged.

Comments by Note-Taker:

- Phase 1 is wrapping up successfully. All initial documents are near completion.
- Team is prepared to move into Phase 2 (Front-End Development).

PHASE 2 Kickoff

PROGRESS REPORT - MINUTES OF MEETING 5

week: 3 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 09/24/2025 Wed 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi Omprakash Khanapure **meeting modality:** virtual

project phase: 2 (Frontend Development Kickoff)

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Finalize frontend project architecture and component structure. - Confirm technology stack: Next.js 14, React 18, Tailwind CSS 4.
Jahnnavi Garikipati	- Begin research and prototyping for the AI Assistant chat widget. - Outline state management strategy for complex interactions.
Narain Sarathy Jawahar	- Set up the testing framework for component and accessibility testing. - Draft initial component documentation templates and usage guides.
Amruth Bhargav Katakam	- Establish the final design system: color palette (Dark Teal, Indigo), typography (Source Sans 3, Geist Mono), and spacing. - Begin mapping detailed user flows for student and tutor roles.
Sakshi Omprakash Khanapure	- Define Sprint 1 tasks and set up the project board. - Establish progress tracking metrics for Phase 2 development.

Milestones achieved in previous week:

- N/A - Phase 2 Kickoff. (Phase 1 planning complete as of 09/12/2025).

Backlogs:

- None.

Comments by Note-Taker:

- Official kickoff for Phase 2 (Frontend Development).
- The team is aligned on the architecture and technology stack.
- Sprint 1 begins, focusing on core setup and design systems.

PROGRESS REPORT - MINUTES OF MEETING 6

week: 3 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 09/26/2025 Fri 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi Omprakash Khanapure **meeting modality:** virtual

project phase: 2

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Implement the core UI component library

Assigned To	Tasks
	setup using Radix UI. - Establish coding standards, ESLint rules, and TypeScript configuration.
Jahnavi Garikipati	- Begin development of core interactive components (Button, Input, Card, etc.). - Implement state management for theme switching.
Narain Sarathy Jawahar	- Begin component-level testing on the new Radix UI components. - Start peer code reviews to enforce new coding standards.
Amruth Bhargav Katakam	- Design initial layouts for the Landing Page and Authentication (Login/Register) pages. - Implement the dark/light mode theme system.
Sakshi Omprakash Khanapure	- Monitor Sprint 1 progress against the project board. - Start designing the data flow diagrams for frontend-backend communication.

Milestones achieved in previous week:

- Frontend architecture finalized (Ainesh).
- Design system (colors, typography) established (Amruth).
- Testing framework set up (Narain).
- Sprint 1 tasks defined (Sakshi).

Backlogs:

- None.

Comments by Note-Taker:

- Good progress on core setup. The component library is the main priority.
- Amruth will share auth page wireframes for review by EOD.

PROGRESS REPORT - MINUTES OF MEETING 7

week: 4 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 10/01/2025 Wed 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi Omprakash Khanapure

meeting modality: virtual

project phase: 2

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Implement the React 18 App Router for modern routing. - Oversee implementation of component-based, modular architecture.
Jahnavi Garikipati	- Develop the primary layouts for the Student Dashboard and Tutor Dashboard. - Build out the Authentication pages (Login/Register forms) with validation.
Narain Sarathy Jawahar	- Conduct cross-browser testing on the Landing Page and Auth pages. - Document all core layout components (Sidebar, Navigation, etc.).

Assigned To	Tasks
Amruth Bhargav Katakam	- Finalize UI/UX designs for the Student and Tutor Dashboards. - Ensure all new layouts are mobile-first and fully responsive.
Sakshi Omprakash Khanapure	- Plan API integration points for authentication and user roles. - Coordinate the start of Sprint 2 (Dashboards and AI Features).

Milestones achieved in previous week:

- Core component library (Radix UI) setup is complete (Ainesh).
- Dark/light mode theme system is functional (Amruth).
- Initial component tests are passing (Narain).
- Data flow diagrams started (Sakshi).

Backlogs:

- None.

Comments by Note-Taker:

- Sprint 1 is complete.
- Sprint 2 begins, focusing on building the main application layouts (dashboards) and starting the AI features.

PROGRESS REPORT - MINUTES OF MEETING 8

week: 4 | meeting organizer: Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 10/03/2025 Fri 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi

Omprakash Khanapure **meeting modality:** virtual

project phase: 2

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Review architecture for AI feature integration. - Add TypeScript to ensure type safety across the application.
Jahnavi Garikipati	- Begin implementation of the floating AI Assistant (AIChatWidget). - Develop dynamic UI components needed for the dashboards.
Narain Sarathy Jawahar	- Conduct usability testing on the initial dashboard flows for both student and tutor roles. - Document any bugs found in dashboard responsiveness.
Amruth Bhargav Katakam	- Design the UI for the AI chat widget and the AI recommendations system. - Design custom icons and visual elements for the dashboards.
Sakshi Omprakash Khanapure	- Monitor Sprint 2 progress. - Refine data flow diagrams for AI service integration.

Milestones achieved in previous week:

- Student and Tutor dashboard layouts are implemented (Jahnavi).
- React App Router is configured for all main pages (Ainesh).
- Auth pages are complete and responsive (Amruth, Jahnavi).

- Cross-browser testing on core pages is complete (Narain).

Backlogs:

- None.

Comments by Note-Taker:

- The dashboard foundations are solid.
- The team's focus now shifts to the core "smart" features, starting with the AI chat assistant.

PROGRESS REPORT - MINUTES OF MEETING 9

week: 5 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 10/08/2025 Wed 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi Omprakash Khanapure **meeting modality:** virtual

project phase: 2

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Review component library for reusability and optimization (Target: 50+ components). - Assist with backend integration planning.
Jahnnavi Garikipati	- Implement the AI-powered study recommendations system (AIRecommendations). - Develop the Session Management components (booking, calendar).
Narain Sarathy Jawahar	- Conduct comprehensive testing on all reusable UI components (50+). - Test for functionality, responsiveness, and WCAG accessibility.
Amruth Bhargav Katakam	- Design the UI for Session Management (booking, calendar) pages. - Design the UI for Study Plans and Task Management.
Sakshi Omprakash Khanapure	- Focus on frontend performance optimization strategies (bundle size, loading states). - Plan API integration points for session management.

Milestones achieved in previous week:

- Initial implementation of the AIChatWidget is complete (Jahnnavi).
- UI for the AI features is designed (Amruth).
- TypeScript is integrated across the project (Ainesh).
- Usability testing on dashboards is complete (Narain).

Backlogs:

- AI chat widget needs to be connected to state management.

Comments by Note-Taker:

- Good progress on the AI features.
- Narain's testing blitz on the component library is critical this week to ensure stability.

PROGRESS REPORT - MINUTES OF MEETING 10

week: 5 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 10/10/2025 Fri 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi

Omprakash Khanapure **meeting modality:** virtual

project phase: 2

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Plan backend integration data contracts for user profiles and sessions. - Finalize all layout components (Sidebar, Tabs, Accordion).
Jahnnavi Garikipati	- Implement the Study Plans (create, view, manage) pages. - Implement the Task Management (TaskItem) components.
Narain Sarathy Jawahar	- Write detailed component usage guides for the documentation. - Begin accessibility testing (keyboard navigation, screen reader) on core features.
Amruth Bhargav Katakam	- Design the Profile Management and Messaging System interfaces. - Ensure all 20+ pages follow a consistent design system.
Sakshi Omprakash Khanapure	- Coordinate Sprint 3 kickoff (Feature Completion). - Plan API integration for study plans and tasks.

Milestones achieved in previous week:

- AI study recommendations system implemented (Jahnnavi).
- Session management (calendar) UI designed (Amruth).
- Core component library (50+ components) is tested and stable (Narain).
- Performance optimization plan created (Sakshi).

Backlogs:

- None.

Comments by Note-Taker:

- Sprint 2 is complete.
- Sprint 3 begins, focusing on finishing the remaining application pages (Study Plans, Tasks, Profile, Messaging).

PROGRESS REPORT - MINUTES OF MEETING 11

week: 6 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 10/15/2025 Wed 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi

Omprakash Khanapure **meeting modality:** virtual

project phase: 2

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Review and refactor code for quality,

Assigned To	Tasks
	performance, and best practices. - Ensure charts (Recharts) are correctly implemented for analytics.
Jahnavi Garikipati	- Implement Profile Management (CRUD operations) pages. - Implement the Messaging System interface.
Narain Sarathy Jawahar	- Conduct full-app accessibility testing (WCAG compliance, screen readers) on all 20+ pages. - Test form validation (React Hook Form + Zod) across all forms.
Amruth Bhargav Katakam	- Finalize all visual elements, icons, and layouts. - Ensure inclusive design principles (color-blind friendly, high contrast) are met.
Sakshi Omprakash Khanapure	- Monitor progress of Sprint 3. - Prepare frontend for backend API integration (error handling, loading states).

Milestones achieved in previous week:

- Study Plan and Task Management pages are functional (Jahnavi).
- Profile and Messaging UIs are designed (Amruth).
- Component documentation guides are drafted (Narain).

Backlogs:

- None.

Comments by Note-Taker:

- All pages are now in the implementation stage.
- Accessibility is a major checkpoint this week. Narain will conduct a full audit.

PROGRESS REPORT - MINUTES OF MEETING 12

week: 6 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 10/17/2025 Fri 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi Omprakash Khanapure

meeting modality: virtual

project phase: 2

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Begin creating the comprehensive project documentation and README file. - Review and merge final pull requests for features.
Jahnavi Garikipati	- Refine AI interactions and ensure intuitive UX for the chat widget. - Finalize state management implementation.
Narain Sarathy Jawahar	- Perform final, comprehensive cross-browser testing (Chrome, Firefox, Safari, Edge) on all 20+ pages. - Consolidate all user testing feedback and bug reports.
Amruth Bhargav Katakam	- Review all pages for design consistency and

Assigned To	Tasks
	responsiveness. - Prepare final handoff of all design assets and style guides.
Sakshi Omprakash Khanapure	- Finalize the backend API integration plan and communication patterns. - Review frontend performance metrics (Lighthouse scores, bundle size).

Milestones achieved in previous week:

- Profile Management and Messaging pages are implemented (Jahnnavi).
- Full-app accessibility audit is complete (Narain).
- All designs are finalized and confirmed to be inclusive (Amruth).

Backlogs:

- A few minor responsiveness bugs were found in Safari (Narain).

Comments by Note-Taker:

- Sprint 3 (Feature Completion) is nearly complete.
- The application is feature-complete. The focus is now on final testing, documentation, and preparation for backend integration.

PROGRESS REPORT - MINUTES OF MEETING 13

week: 7 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 10/22/2025 Wed 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi Omprakash Khanapure **meeting modality:** virtual

project phase: 2

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Complete the project documentation (README, architecture overview). - Configure the project for static export and deployment.
Jahnnavi Garikipati	- Submit all final AI-related frontend code (chat, recommendations). - Assist with documentation related to AI features.
Narain Sarathy Jawahar	- Complete final bug fixes from cross-browser testing. - Submit final, comprehensive test reports and component documentation.
Amruth Bhargav Katakam	- Submit the final design system, all user journey maps, and UI assets. - Assist with documentation related to the design system.
Sakshi Omprakash Khanapure	- Compile the final Phase 2 progress report and sprint summaries. - Ensure all API integration points are clearly documented for the backend team.

Milestones achieved in previous week:

- Final cross-browser testing is complete (Narain).
- All outstanding bugs have been resolved (Team).
- Final API integration plan is documented (Sakshi).

- AI feature UX has been refined (Jahnavi).

Backlogs:

- None.

Comments by Note-Taker:

- All development work is complete.
- This week is dedicated to final documentation, cleanup, and compiling all deliverables for Phase 2.

PROGRESS REPORT - MINUTES OF MEETING 14

week: 7 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 10/24/2025 Fri 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi Omprakash Khanapure **meeting modality:** virtual

project phase: 2 (Frontend Development Complete)

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Archive final Phase 2 (Frontend) build. - Prepare project board for Phase 3 (Backend Integration).
Jahnavi Garikipati	- Final review of AI feature implementation.
Narain Sarathy Jawahar	- Final review of all documentation.
Amruth Bhargav Katakam	- Final review of design system and asset library.
Sakshi Omprakash Khanapure	- Distribute final Phase 2 report to all team members. - Close all tasks and sprints for Phase 2.

Milestones achieved in previous week:

- Project README and architecture documentation are complete (Ainesh).
- Final test reports and component documentation submitted (Narain).
- Final design system and all UI assets submitted (Amruth).
- All code for AI features submitted (Jahnavi).
- Final Phase 2 progress report compiled (Sakshi).

Backlogs:

- None.

Comments by Note-Taker:

- Phase 2 (Frontend Development) is officially complete.
- The team has successfully delivered a production-ready, accessible, and responsive frontend application.
- The project is now ready for Phase 3 (Backend API Development and Integration).

PHASE 3 Kickoff

PROGRESS REPORT - MINUTES OF MEETING 15

week: 8 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 10/29/2025 Wed 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi Omprakash Khanapure **meeting modality:** virtual

project phase: 3 (Backend & Database Kickoff)

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Architecture: Define Supabase architecture and Edge Functions structure. - Repo Setup: Initialize repository for Supabase config and migration scripts.
Jahnnavi Garikipati	- AI Research: Research Groq API capabilities and Llama 3.3 70b model parameters. - Prompt Engineering: Draft initial system prompts for the Llama 3.3 tutor persona.
Narain Sarathy Jawahar	- Testing Strategy: Plan RLS (Row Level Security) policy testing strategy. - Documentation: Draft initial API documentation for Supabase tables.
Amruth Bhargav Katakam	- UX States: Design loading and error states for async database operations. - Admin UI: Draft wireframes for an admin dashboard (if needed for moderation).
Sakshi Omprakash Khanapure	- DB Setup: Initialize Supabase project (Dev/Prod environments). - Schema Design: Draft initial PostgreSQL schema (Users, Profiles, Sessions).

Milestones achieved in previous week:

- Phase 2 (Frontend) complete.
- Tech stack finalized: Supabase, Groq (Llama 3.3 70b).

Backlogs:

- None.

Comments by Note-Taker:

- Phase 3 Kickoff. Focus is strictly on Backend infrastructure, Database (Supabase), and AI integration (Groq).
- Sakshi moves to lead Database/Backend tasks.

PROGRESS REPORT - MINUTES OF MEETING 16

week: 8 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 10/31/2025 Fri 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi Omprakash Khanapure **meeting modality:** virtual

project phase: 3

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Auth Config: Configure Supabase Auth (Email/Password, OAuth providers). - Edge Functions: Set up local development environment for Supabase Edge Functions.
Jahnavi Garikipati	- Groq Integration: Create a prototype script connecting to Groq AI using Llama 3.3. - Frontend Auth: Update frontend login forms to use Supabase Auth client.
Narain Sarathy Jawahar	- Auth Testing: Test Sign-up, Sign-in, and Password Reset flows. - Security: Verify that RLS policies prevent unauthorized data access.
Amruth Bhargav Katakam	- Profile UI: Update Profile Edit UI to match the new database schema. - Feedback UX: Design toast notifications for successful/failed database actions.
Sakshi Omprakash Khanapure	- Schema Implementation: Create profiles table and set up triggers for auto-creation on user signup. - RLS Policies: Write initial RLS policies for public vs private profile data.

Milestones achieved in previous week:

- Supabase project initialized.
- Initial database schema drafted.

Backlogs:

- None.

Comments by Note-Taker:

- Authentication and User Profiles are the first priority.
- Team is adapting well to the Supabase ecosystem.

PROGRESS REPORT - MINUTES OF MEETING 17

week: 9 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 11/05/2025 Wed 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi

Omprakash Khanapure **meeting modality:** virtual

project phase: 3

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Code Review: Review RLS policies for security loopholes. - Edge Functions: Draft function for handling complex business logic (e.g., matching).
Jahnavi Garikipati	- Chat Integration: Connect the Frontend Chat Widget to the Groq AI service. - Prompt Tuning: Refine Llama 3.3 prompts for better

Assigned To	Tasks
	academic tone.
Narain Sarathy Jawahar	- API Testing: Test Profile CRUD operations via Supabase client. - Edge Case Testing: Test auth state persistence across page reloads.
Amruth Bhargav Katakam	- Dashboard Data: Map database fields to the Student/Tutor dashboard UI components. - Error Messages: Refine user-facing error messages for API failures.
Sakshi Omprakash Khanapure	- Storage Setup: Configure Supabase Storage buckets for user avatars/documents. - Profile API: Finalize CRUD operations for User Profiles using Supabase client.

Milestones achieved in previous week:

- Supabase Auth integrated.
- profiles table created with auto-triggers.

Backlogs:

- Avatar image upload needs Storage bucket configuration.

Comments by Note-Taker:

- Auth sprint complete.
- Focus moves to integrating the AI chat and finalizing user profiles.

PROGRESS REPORT - MINUTES OF MEETING 18

week: 9 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 11/07/2025 Fri 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi

Omprakash Khanapure **meeting modality:** virtual

project phase: 3

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Database Optimization: Add indexes to frequently queried fields (e.g., user_id, role). - Session Schema: Finalize the schema for sessions and bookings.
Jahnavi Garikipati	- Image Upload: Implement frontend logic for uploading avatars to Supabase Storage. - AI Context: Implement logic to pass conversation history to Llama 3.3.
Narain Sarathy Jawahar	- Integration Testing: Test full flow: Register -> Update Profile -> Upload Avatar. - Docs: Update API documentation with Storage bucket details.
Amruth Bhargav Katakam	- Booking UI: Finalize the "Book a Session" modal interactions. - Calendar: Design states for "Pending", "Confirmed", and "Cancelled" sessions.

Assigned To	Tasks
Sakshi Omprakash Khanapure	- Session API: Implement sessions table and RLS policies (Tutors see their own, Students see theirs). - Storage Policies: Set up access policies for public vs private files.

Milestones achieved in previous week:

- Basic AI chat connection established (Llama 3.3 responding).
- Profile data syncing correctly.

Backlogs:

- None.

Comments by Note-Taker:

- Moving to the core business logic: Session Management.
- Groq AI integration is remarkably fast.

PROGRESS REPORT - MINUTES OF MEETING 19

week: 10 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 11/12/2025 Wed 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi Omprakash Khanapure

meeting modality: virtual

project phase: 3

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Search Logic: Implement Postgres Full Text Search for "Find a Tutor". - Edge Functions: Create a function to handle secure payments (mock).
Jahnavi Garikipati	- Calendar: Integrate frontend Calendar component with Supabase sessions table. - Tutor Cards: Populate Tutor Discovery page with real DB data.
Narain Sarathy Jawahar	- Load Testing: Basic load testing on Search queries. - Edge Cases: Test session booking conflicts (double booking).
Amruth Bhargav Katakam	- Search UX: Refine search filters and sorting UI. - Empty Search: Design "No Tutors Found" state.
Sakshi Omprakash Khanapure	- Booking Logic: Implement insert and update logic for bookings with status checks. - Search Filters: Create database functions/RPCs for advanced filtering (Subject, Rating).

Milestones achieved in previous week:

- Session schema implemented.
- Avatar upload working.

Backlogs:

- None.

Comments by Note-Taker:

- Heavy database logic week. Search and Booking are complex.
- Sakshi and Ainesh working on Postgres functions for search efficiency.

PROGRESS REPORT - MINUTES OF MEETING 20

week: 10 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 11/14/2025 Fri 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi

Omprakash Khanapure **meeting modality:** virtual

project phase: 3

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- AI Architecture: Secure API keys for Groq in Edge Functions (avoid exposing in frontend). - Rate Limiting: Implement rate limiting for AI requests.
Jahnavi Garikipati	- Chat Persistence: Save AI chat history to Supabase chat_logs table. - Real-time: Implement Supabase Realtime subscriptions for live session updates.
Narain Sarathy Jawahar	- Chat Testing: Test real-time message delivery and history fetching. - AI Verification: Verify Llama 3.3 responses are accurate and safe.
Amruth Bhargav Katakam	- Chat UX: Polish message bubbles, typing indicators, and timestamps. - AI Recommendations: Design "Recommended Tutors" widget layout.
Sakshi Omprakash Khanapure	- Chat Schema: Create messages and conversations tables with RLS. - Edge Function: Write the server-side logic to call Groq AI securely.

Milestones achieved in previous week:

- Search functionality working.
- Booking system operational.

Backlogs:

- Search query optimization needed for large datasets.

Comments by Note-Taker:

- "Smart" features week. Moving AI logic to Edge Functions for security.
- Real-time features (Supabase Realtime) are being added.

PROGRESS REPORT - MINUTES OF MEETING 21

week: 11 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 11/19/2025 Wed 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi

Omprakash Khanapure **meeting modality:** virtual

project phase: 3

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Security Audit: Review all RLS policies and Edge Functions. - Deployment: Prepare final Supabase production instance.
Jahnavi Garikipati	- AI Recommendations: Fetch and display AI-driven study recommendations. - Integration Fixes: Resolve any frontend data parsing errors.
Narain Sarathy Jawahar	- E2E Testing: Conduct full End-to-End tests (Sign up -> Search -> Book -> Chat). - Bug Report: Compile list of integration bugs.
Amruth Bhargav Katakam	- Final Polish: consistency check on fonts, colors, and margins with real data. - Responsiveness: Check complex tables/calendars on mobile with real data.
Sakshi Omprakash Khanapure	- Recommendation Logic: Implement simple matching logic (Subject/Availability) for recommendations. - Bug Fixing: Address backend bugs found during E2E testing.

Milestones achieved in previous week:

- Chat system functional (saving to DB).
- AI endpoints secured via Edge Functions.

Backlogs:

- Minor latency issues in Chat history loading.

Comments by Note-Taker:

- Integration is ~90% complete.
- Focus shifts to bug fixing, security, and final deployment prep.

PROGRESS REPORT - MINUTES OF MEETING 22

week: 11 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 11/21/2025 Fri 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi

Omprakash Khanapure **meeting modality:** virtual

project phase: 3

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Performance: Optimize RLS policies and database indices. - Docs: Finalize Architecture documentation including Backend.
Jahnavi Garikipati	- Cleanup: Remove console logs, unused components, and mock data. - Final Demo Prep: Prepare frontend flow for final presentation.
Narain Sarathy Jawahar	- Final Testing: Regression testing on all fixed bugs. - API Docs: Finalize documentation for

Assigned To	Tasks
	all Supabase tables/functions.
Amruth Bhargav Katakam	- Presentation Assets: Create slides and visual assets for the final demo. - User Guide: Write "How to Use" guide for the platform.
Sakshi Omprakash Khanapure	- Deployment: Deploy final Schema and Edge Functions to Production. - Env Variables: Ensure production secrets (Groq API Key) are set.

Milestones achieved in previous week:

- E2E testing completed.
- Major bugs resolved.
- Security audit passed.

Backlogs:

- None.

Comments by Note-Taker:

- System is feature complete and integrated.
- Final polish and deployment are the only remaining tasks.

PROGRESS REPORT - MINUTES OF MEETING 23

week: 12 | **meeting organizer:** Ainesh Gunturu **Meeting attendees:** Ainesh Gunturu, Jahnavi Garikipati, Narain Sarathy Jawahar, Amruth Bhargav Katakam, Sakshi Omprakash Khanapure

meeting date & time: 11/26/2025 Wed 2:00pm - 4:00 pm **Meeting note-taker:** Sakshi

Omprakash Khanapure **meeting modality:** virtual

project phase: 3 (Project Closure)

TASKS TO BE PERFORMED THIS WEEK:

Assigned To	Tasks
Ainesh Gunturu	- Project Sign-off: Final review of all deliverables against initial requirements. - Submission: Submit final code, documentation, and report.
Jahnavi Garikipati	- Demo: Rehearse final project demonstration. - Future Work: Document potential features for future releases (Phase 4).
Narain Sarathy Jawahar	- Docs Submission: Compile all MOMs, Test Reports, and API Docs into final PDF. - Reflection: Facilitate team retrospective/reflection session.
Amruth Bhargav Katakam	- Video: Record/Edit final walkthrough video of the application. - Screenshots: Capture high-res screenshots for the final report.
Sakshi Omprakash Khanapure	- Final Report: Finalize the "Final Project Report" document. - Maintenance: Document backup procedures for the Supabase DB.

Milestones achieved in previous week:

- Production deployment successful.

- Database performance optimized.
- All documentation drafted.

Backlogs:

- None.

Comments by Note-Taker:

- **PROJECT COMPLETE.**
- The TutorHive platform is fully built, integrated, and deployed.
- Backend (Supabase + Groq AI/Llama 3.3) and Frontend are working seamlessly together.
- Team is ready for final submission and presentation.