

# **Project Proposal Document**

## **1. Project Title & Short Description**

### **MindEase – Online Counselling Platform for Kids, Teens & Adults**

- A web-based platform that connects users (kids, teens, adults, parents) with licensed counsellors. Users can search and filter counsellors, book appointments, make payments, and leave feedback. Counsellors can manage availability, fees, and appointments. Admins oversee approvals, flagged content, and platform analytics.
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## **2. Application Type**

- **Web Application**
    - **User side (clients & counsellors):** Browse therapists, booking system, feedback.
    - **Admin side:** Therapist approvals, revenue monitoring, reports.
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## **3. Motivation / Problem Statement**

- Increasing stress, anxiety, and family/relationship issues require easy access to professional counselling.
  - Many people don't know where to find licensed counsellors or face stigma in visiting clinics.
  - Current booking systems are not personalized by age group and lack admin oversight.
  - MindEase provides a safe, affordable, and age-aware platform to connect users with counsellors online.
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## 4. Target Users & Use Cases

- Target Users:
    1. Kids/Teens → find counsellors for school stress, bullying, exam anxiety.
    2. Adults → get help with workplace stress, relationships, depression.
    3. Parents → consult about child behavior or family guidance.
    4. Counsellors → manage slots, fees, and bookings.
    5. Admins → ensure counsellor credibility and monitor system usage.
  - Use Cases:
    1. A parent searches for a family therapist and books a session.
    2. A teen filters therapists by “Anxiety” specialization and reserves a slot.
    3. A counsellor sets availability for the week and checks upcoming appointments.
    4. An admin reviews a new counsellor’s license and approves their profile.
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## 5. Scope & High-Level Features

- For Users (Clients):
  - Role-based onboarding (Kid/Teen/Adult/Parent).
  - Therapist directory with search & filters.
  - Appointment booking (date, time, counsellor).
  - Online payments (Razorpay/Stripe).
  - Session history & feedback system.
  - Self-help resources (articles, videos, PDFs).
- For Counsellors:
  - Profile registration with license upload.
  - Set consultation fees and available slots.

- Manage upcoming appointments.
    - View earnings dashboard.
  - For Admins:
    - Approve/reject counsellors.
    - Monitor flagged reports and user feedback.
    - Manage self-help resources.
    - Track revenue & analytics.
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## 6. Technology Stack

- **Frontend:** React.js + TailwindCSS/Bootstrap
  - **Backend:** Django REST Framework (or Node.js + Express)
  - **Database:** PostgreSQL
  - **Authentication:** JWT / Django AllAuth
  - **Payments:** Razorpay / Stripe API
  - **Email/SMS Notifications:** SendGrid / Twilio
  - **Deployment:** Vercel (frontend) + Render/Railway (backend)
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## 7. Roles & Responsibilities

- Frontend Team (Tejas, Vedant, Harin, Moksha)
  - Design and implement user interface with React.js + TailwindCSS.
  - Develop pages: Homepage, Onboarding, Therapist Directory, Booking, Appointments, Login/Register, Admin Panel (UI).
  - Ensure responsive design and smooth user experience.
- Backend Team (Virendra, Jainil, Dev, Himani)
  - Develop REST APIs using Django REST Framework.

- Implement authentication, authorization (JWT).
  - Manage PostgreSQL database schemas (Users, Counsellors, Appointments, Payments).
  - Integrate Razorpay/Stripe for payments.
  - Handle admin approvals, reports, and booking logic.
  - Collaborative Responsibilities
    - Testing (unit + integration + user acceptance).
    - Deployment: Vercel (frontend) + Render/Railway (backend).
    - Documentation and GitHub repository maintenance.
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## 8. Timeline with Milestones

Week 1 (26 Aug – 1 Sep, 2025)

- **Deliverable:** Project Proposal Document and Requirements
  - Title, description, motivation, scope, tech stack, roles & responsibilities, timeline.
  - Functional & non-functional requirements

Week 2 (2 – 7 Sep, 2025)

- **Deliverable:** Requirements Specification Document (BRD)
  - Functional & non-functional requirements
  - User stories / use case diagrams
  - Interface requirements
  - Initial wireframes/UI mockups
  - Acceptance criteria

Week 3 (8 – 14 Sep, 2025)

- Deliverables:

- System Design Document (SDD)
  - Architecture diagram
  - Database schema (ER diagram)
  - Component/class diagrams
  - REST API contracts (Swagger/OpenAPI)
  - Final wireframes/UI mockups
- Project Plan / Gantt Chart
  - Task timeline & milestones
  - Team task assignments
  - Tools: Trello, Jira, or GanttProject screenshots

Weeks 4 – 10 (15 Sep – 25 Nov, 2025)

- **Deliverable:** Weekly Progress Reports
  - Summary of completed tasks
  - Roadblocks/issues
  - Next week's plan

Week 7 (14 Oct, 2025)

- **Deliverable:** Mid-Semester Demonstration
  - Partial working demo (booking flow, login, basic UI)
  - Code walkthrough
  - Team Q&A

Week 11 (4 Nov, 2025)

- **Deliverable:** Test Plan & Test Cases
  - Unit and integration tests
  - Database populated with sample records

- UI testing (if applicable)
- Bug log

Week 12 (15 Nov, 2025)

- Deliverables:
  - Final Application
    - Complete feature set (frontend + backend + database)
    - Core modules: authentication, therapist directory, booking, payments, admin panel
    - API integrations (as needed)
  - Deployment & Hosting
    - Deploy on Vercel (frontend) + Render/Railway (backend)
    - Public live URL
    - Deployment notes + optional CI/CD