

MentorLink – Get Connected to a Mentor in Under a Minute

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Project Overview

MentorLink is an AI-assisted mentorship platform designed to instantly connect student entrepreneurs with experienced industry mentors. This platform focuses on students from Tier 2/3 institutions who lack exposure, guidance, and networking opportunities. The platform supports instant mentor matching, real-time scheduling, and multilingual support, all built with scalability in mind.

Problem Statement

Startup Challenges Faced by Students:

-  70% failure rate in student-led startups due to lack of guidance.
 -  Limited mentor availability in rural/non-metro areas.
 -  Delayed response times on existing platforms.
 -  Most platforms are costly and not student-friendly.
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Proposed Solution

MentorLink addresses these pain points with the following features:

-  Instant Mentor Matching using skill/domain filters and availability.
 -  Real-time Zoom Integration: Schedule and initiate video calls within a minute.
 -  Regional Language Support: To ensure inclusivity across all backgrounds.
 -  Student-Centric UX: Simple dashboards and workflows for ease of use.
 -  Mentor Recognition System: With certifications, badges, and ratings.
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Technology Stack

Layer	Technology
Frontend	React.js, Next.js
Backend	FastAPI (preferred), alternatively Node.js
Database	MongoDB (NoSQL, scalable, document-based)
Auth	JWT, OAuth2
Video Calls	Zoom API (primary), fallback: WebRTC/Twilio
AI Matchmaking	Python + Scikit-learn/TensorFlow (future)
Deployment	Vercel / Render / Heroku
Cloud Storage	Firebase / AWS S3 (for blogs/resources)

Detailed Role-Based Flow

Student Dashboard

- Register with skills, interests, and domains.
- Browse mentor list filtered by domain/technology/language.
- Request call with preferred mentor → request sent to mentor dashboard.
- View event calendar: workshops, meetups, webinars.
- Access blogs and learning resources (PDFs, videos).
- Submit session feedback and ratings for each mentor.

Mentor Dashboard

- Step 1: Register with basic info: email, password, name.
- Step 2 (Mandatory Profile Completion after login):
 - Current job title & company
 - Years of experience
 - Resume upload (PDF)
 - LinkedIn profile
 - Expertise domains
 - Spoken languages
 - Zoom link
 - Available time slots
- Dashboard includes:
 - Profile
 - Pending Requests
 - Accepted Requests
 - Scheduled Calls
- Accept/reject session requests
- Share Zoom link with student upon acceptance
- View student feedback

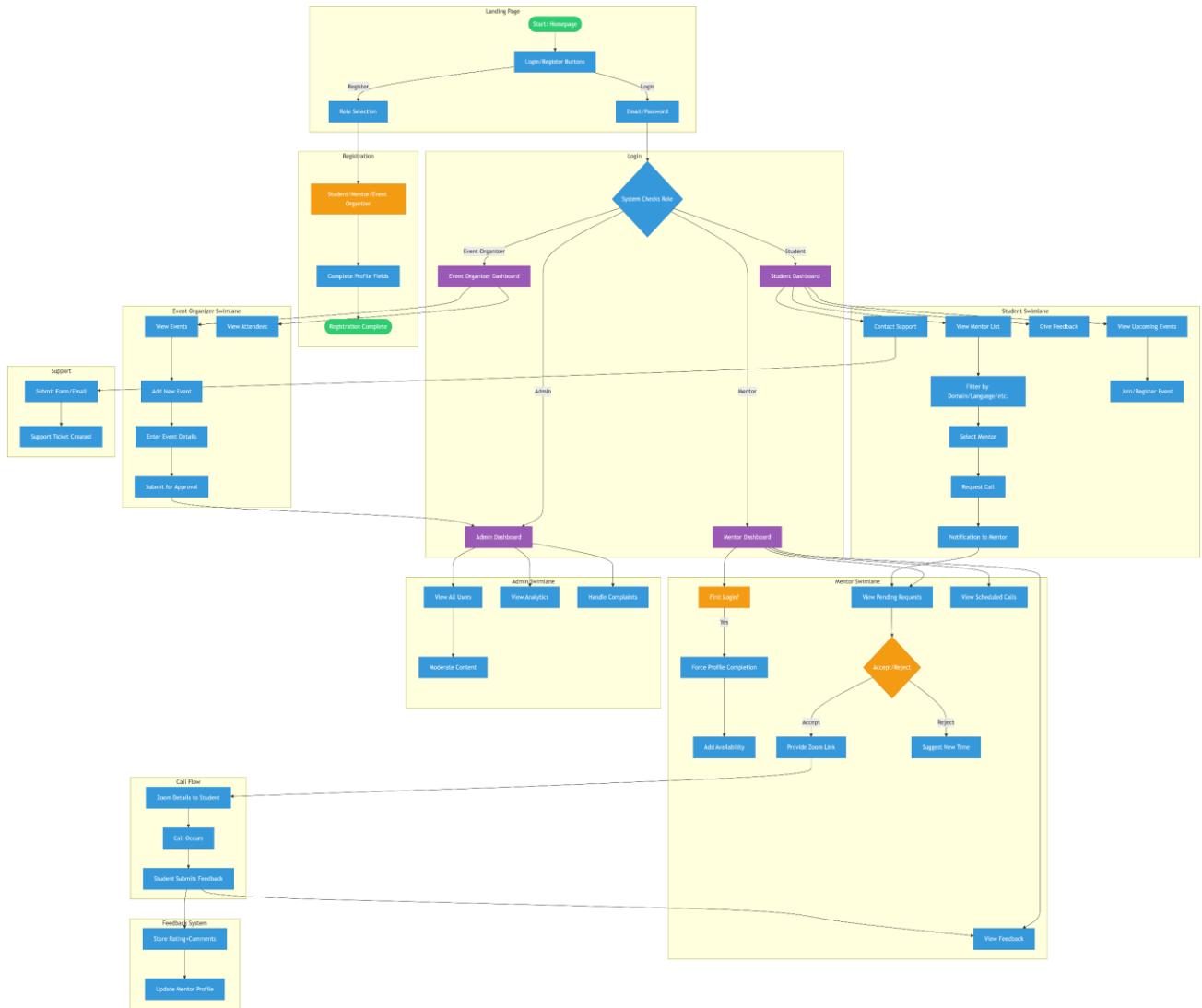
Event Organiser Dashboard

- Step 1: Basic registration (email, name, password)
- Step 2 (Post-login profile completion):
 - Organization name
 - Type of events hosted
 - Logo or profile image
 - Contact info and social media links
- Event functions:
 - Add/delete events
 - View attendees
 - Events are shown on student dashboard

Admin Dashboard

- View/manage all users (mentors, students, organisers)
- Monitor all session logs, feedback, and events
- Moderate content or resolve user issues
- Access analytics (e.g., active mentors, top-rated sessions)

FLOW CHART



❖ Features in Detail

Feature	Description
Sign Up & Login	Single login portal → role selected post-authentication
Smart Matchmaking	Filters based on skills, domain, language, ratings
Video Call Integration	Mentor provides Zoom link. Link and time shared to student on acceptance.
Session Feedback	Rating system (1–5 stars), optional comments from students
Event Calendar	Display upcoming events in student dashboard
Blog Section (Cloud-based)	Blogs and learning resources for self-paced learning
Query/Help Section	Contact email/phone; integrated form for support
Notification System	Email or dashboard notification for session requests & approvals

Feature	Description
Mentor Badging System	Levels based on number of sessions & ratings

5-Month Development Roadmap

Month 1: Planning & Design

- Final requirement gathering
- UI/UX mockups using Figma
- Flow and database design

Month 2: MVP Backend + Auth

- Implement authentication (JWT/OAuth2)
- User roles and profile creation (mentor, student, organiser)
- Mentor registration + Zoom integration

Month 3: Matchmaking & Communication

- Smart filtering based on domain, skills, language
- Real-time video scheduling & notifications
- Feedback/rating mechanism after sessions
- Blog/resource upload section

Month 4: Event System + Admin

- Event creation/deletion module (organiser dashboard)
- Admin panel for superuser access
- Notification integration (email/dash popup)

Month 5: Testing & Launch

- Full testing (unit + end-to-end)
- Fix bugs and optimize performance
- Deploy on Vercel/Render/Heroku
- Launch campaign & user onboarding (email invites, campus outreach)

Future Scope

-  Mobile App Version (React Native/Flutter)
-  AI-driven Recommendation Engine
-  Gamified Learning Paths for students
-  Mentor Performance Analytics (heatmaps, session frequency)
-  Localization Support for other Indian languages

Mentor & Event Organiser Info on Student Page

Mentor Details Displayed:

- Name
- Current Company/Job Role

- Domain Expertise
- Years of Experience
- Languages Spoken
- LinkedIn Profile (optional)
- Average Rating
- Availability Slots
- "Request Call" button (Zoom link shared only after acceptance)

Event Organiser Info Displayed:

- Event Name
 - Date and Time
 - Hosted By (Organiser Name/Org)
 - Contact Info
 - Register/Join Button
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Conclusion

MentorLink is a scalable platform focused on bridging the mentorship gap for students in Tier 2/3 regions. With instant match-making, real-time interaction, and student-first design, MentorLink aims to reduce the mentorship connection time to under 60 seconds. This initiative not only boosts student startups but also empowers mentors to contribute meaningfully to the innovation ecosystem.

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