

## 1. Product Overview

EduConnect is a digital marketplace where students can book personalized online classes from verified teachers who post educational gig offers. The platform supports secure video sessions, automated scheduling, performance insights, and built-in payment handling. EduConnect empowers freelancers in the education sector to earn fairly and grow their skills.

## 2. Purpose

The product solves two major problems:

- **Students** struggle to find qualified teachers who match their learning needs.
- **Teachers** lack reliable platforms to offer academic services, showcase skills, and earn consistently.

EduConnect provides:

- Transparent class booking and payment flows
- Skill and performance tracking for teachers
- Secure online class hosting with role-based access control

## 3. Target Users

User Type	Needs
Students	Easy course/class discovery, secure learning sessions, feedback system
Teachers	Monetization, scheduling automation, reputation building through ratings
Admin	System monitoring, dispute handling, teacher verification

## 4. Key Features

### 4.1 Teacher-side Features

- Gig posting with subjects, pricing, schedule, and difficulty level
- Acceptance/rejection of booking requests

- Calendar and class management dashboard
- Transaction history with payouts
- Analytics showing performance, ratings, and skill improvements

#### **4.2 Student-side Features**

- Browse and filter teachers based on price, subject, rating, availability
- Class booking with secure payment system (escrow-like)
- Automatic meeting link on booking confirmation
- Class review and rating system

#### **4.3 Video Conferencing**

- Jitsi-based integration for secure online learning
- Role-based access: teacher as moderator, student as participant
- Time-restricted room access
- Auto-generated meeting password
- Option to show class completion status

#### **4.4 Payment & Earnings**

- Teacher earnings released after class completion confirmation
- Transparent fee breakdown
- Wallet for balance check and withdrawal requests

#### **4.5 Admin Tools**

- Teacher identity verification
- Fraud detection and dispute resolution

- Dashboard for platform performance and metrics

## 5. User Flow Summary

1. Teacher posts a gig
2. Student sends booking request
3. Teacher approves → system generates secure meeting ID
4. Payment goes to escrow
5. Class happens via Jitsi
6. Completion confirmed → Teacher gets paid
7. Student leaves a review

## 6. Technical Requirements

- **Frontend:** React / Next.js
- **Backend:** Node.js + Express or NestJS
- **Database:** MongoDB
- **Video:** Jitsi Meet external API with JWT authentication (future)
- **Deployment:** AWS / Vercel / Render
- **Security:** JWT auth, encrypted room links, protected roles