Date: 31 May 2025

Prepared For: RAN Software Solutions

Project Type: Web-based e-learning platform

Location: India

Cost Breakdown (INR ₹)

Component	Details	Estimated Cost (₹)
Domain Name	.com domain via GoDaddy/Namecheap (annual)	₹800 – ₹1,200/year
Web Hosting	Cloud hosting (DigitalOcean, AWS, or Hostinger)	₹1,000 – ₹6,000/month
Server Setup	Load balancer, autoscaling setup, security configs	₹10,000 – ₹30,000 (one-time)
Database	Firebase, PostgreSQL, or MongoDB Atlas (managed DB)	₹1,000 – ₹10,000/month
UI/UX Design	Wireframes, mockups, Figma/Adobe XD, responsive design	₹60,000 – ₹80,000 (one-time)
Frontend Development	React.js, Tailwind CSS, authentication, routing	₹1,00,000
Backend Development	Node.js, Django, REST API, payment gateways, video handling	₹1,00,000
Video Streaming Setup	AWS S3 + CloudFront / Vimeo integration for course content	₹5,000 – ₹30,000/month

Payment Integration	Razorpay/Stripe integration with receipt and course unlock	₹10,000 – ₹20,000 (one-time)
Testing & QA	Manual + automation testing (Jest, Cypress, etc.)	₹10,000 – ₹40,000
Deployment Tools	GitHub Actions, Docker, CI/CD setup	₹5,000 – ₹20,000 (one-time)
Admin Panel	Custom dashboard for course/content/user management	₹25,000 – ₹75,000
Maintenance & Support	Bug fixes, uptime monitoring, minor updates	₹5,000 – ₹15,000/month
Other Tools/Services	Analytics, SMTP emails, notifications, SSL	₹1,000 – ₹5,000/month
User Management	Customs Roles Like Admin,User	₹1,000 – ₹5,000/month

Total Estimated Cost

Development (One-Time Setup): ₹2,50,000 – ₹3,75,000

Recurring Monthly Costs: ₹15,000 – ₹60,000/month

Total Estimated Time

Phase	Task	Time Estimate
Planning	Requirements, research, architecture	1 – 2 weeks
UI/UX Design	Wireframes, mockups, user journey	4 – 6 weeks
Frontend Dev	React UI, navigation, integration	4 – 6 weeks
Backend Dev	APIs, auth, database, logic	4 – 6 weeks

Video Streaming	Upload, CDN, security	1 – 2 weeks
Testing & QA	Manual & automated testing	2 weeks
Deployment	Hosting, monitoring, bug fixes	1 week

Total Duration: **10 – 14 weeks (2.5 to 3.5 months)**

Optional Add-ons

Feature	Cost (₹)
Mobile App	₹80,000 – ₹2,50,000
Offline Video Access	₹30,000 – ₹1,00,000