

Backend Development Proposal

Project: Karishmaa Kakoty Digital Ecosystem – Backend Development

Development Approach

The backend will be developed in modular phases to ensure stable delivery, easier testing, and continuous progress. Since I will be handling the complete backend independently on a part-time basis, the estimated timeline includes adequate time for development, testing, bug fixing, and client review.

Phase	Module	Duration
Phase 1	Project Setup, Database Design, Architecture, Docker, Environment Configuration	2 Weeks
Phase 2	Authentication, Authorization, JWT, Refresh Token, Password Reset, Role & Permission Management	2 Weeks
Phase 3	User Management, Admin Management, Settings Module	1 Weeks
Phase 4	Portfolio Module (Projects, Categories, Media Integration)	2 Weeks
Phase 5	School Management (Courses, Faculty, Admissions, Student Applications)	3 Weeks
Phase 6	Commerce Module (Products, Variants, Categories, Inventory)	3 Weeks
Phase 7	Cart, Checkout, Orders & Payment Gateway Integration	3 Weeks
Phase 8	Consultation Booking & Slot Management	2 Weeks
Phase 9	Blog CMS & Search APIs	2 Weeks
Phase 10	CRM Module, Notifications (Email/WhatsApp), Activity Logs	2 Weeks
Phase 11	Redis Caching, Queue Jobs, Cron Jobs, Security, Rate Limiting	1 Weeks
Phase 12	API Documentation, Deployment, Testing, Bug Fixes & Production Support	1 Weeks

Deliverables:

- Authentication & Authorization
- Role-Based Access Control (RBAC)
- User Management
- Portfolio Management APIs
- School/Course & Admission Management
- Product & Commerce APIs
- Cart & Checkout
- Razorpay Payment Integration
- Order Management
- Consultation Booking System
- Blog Management
- Media Upload & Storage
- CRM & Lead Management
- Email & WhatsApp Notifications
- Redis Caching
- Queue Jobs & Scheduled Tasks
- Security & Rate Limiting
- Swagger API Documentation
- Production-ready Backend

Commercial Proposal

Project Cost: ₹2,00,000

Development Duration: 5–6 Months (24 Weeks)

Payment Milestones

Milestone	Amount
Project Initiation	₹40,000
Authentication, Users & Portfolio	₹35,000
School Management Module	₹35,000
Commerce, Orders & Payment	₹45,000
CRM, Notifications & Deployment	₹45,000
Total	₹2,00,000

Assumptions:

- Frontend/UI will be provided separately.
- Third-party service costs (hosting, payment gateway, email, WhatsApp, cloud storage, etc.) are not included.

- Minor revisions and bug fixes are included during the development period and for 30 days after final delivery.
- Any features requested outside the agreed scope will be estimated and billed separately.