
FINAL MASTER QUOTATION: SHIVADDA.COM INTEGRATED PLATFORM

Project: Hybrid Education LMS & Multi-Service Business Portal

Technology: Python (Django) | Database: PostgreSQL

Type: Web-Based Application with Dynamic CMS

1. Project Overview

This project involves developing a unified platform that functions as:

1. A **High-End Learning Management System (LMS)** for coaching (including Live Classes & Exams).
 2. A **Service Business Directory** to manage Shivadda's existing verticals (TV Repairing, Tailoring, NGO, etc.).
 3. A **Classifieds Portal** for Real Estate and Buying/Selling.
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2. Detailed Module Breakdown

Module 1: Advanced Public Website & Dynamic CMS

(Merges Original Proposal + Missing Services)

- **Dynamic Page Builder:** Admin can create unlimited pages for specific services (e.g., "Mobile Repairing", "Tailoring Course", "Yoga Classes") without coding.
- **Menu Management:** Full control over the header/footer menu links.
- **SEO Suite:** Custom Meta Tags, Keywords, and URL slugs for every page to maintain Google rankings.
- **Enquiry Management:** Separate enquiry forms for "Student Admission" vs "Service Request".
- **News Ticker:** Scrolling text for latest updates (e.g., "New Batch Starting" or "Camps").

Module 2: Authentication & Security (RBAC)

(Includes Advanced Security)

- **User Roles:** Super Admin, Branch Admin, Teacher, Student, Parent, Service Staff.
- **Secure Login:** Encrypted passwords with "Forgot Password" flow.
- **Device Restriction:** **[Advanced]** Students can be restricted to login on only 1 device at a time to prevent ID sharing.
- **Social Login:** Login via Google/Gmail.

Module 3: Core LMS & Course Management

(From Original PDF)

- **Course Structure:** Create Streams (Medical/Engg) -> Subjects -> Chapters -> Topics.
- **Batch System:** Manage student batches (Morning/Evening).
- **Study Material:** Upload PDF Notes, PPTs, and Assignments.
- **Drip Content:** **[Advanced]** Schedule content to unlock automatically on specific dates.

Module 4: Video Learning & Live Classes

(The "Real LMS" Upgrade)

- **Live Class Integration:** **[Advanced]** Integrated Zoom/Google Meet API. Teachers start classes directly from the dashboard; students join with one click (no link sharing needed).
- **Video Player:** Custom player with speed control (1.5x, 2x).
- **Content Security:** **[Advanced]** DRM protection to prevent video downloads.

Module 5: Student & Teacher Panels

- **Student Dashboard:** View timeline, My Courses, Live Class Schedule, Attendance, Fee Status.
- **Doubt Forum:** **[Advanced]** "Ask a Doubt" feature under every chapter/video.
- **Teacher Dashboard:** Manage attendance, Upload marks, Reply to doubts, Check assignments.

Module 6: Examination System (Hybrid)

(Merges Original PDF + Offline Reality)

- **Online CBT Exams:** MCQ engine with Timer, Negative Marking, and Auto-Result.
- **Descriptive Exams:** Students upload photos of handwritten answers; teachers grade manually.
- **Offline Marks Entry:** **[New]** Feature for teachers to manually enter marks for offline (OMR/Paper) tests so results appear online.
- **Resume Exam:** **[Advanced]** Exam resumes from the last question if the internet disconnects.

Module 7: Marketing & Engagement

(Added for Business Growth)

- **Coupon Codes:** Create discount codes (e.g., "DIWALI50") for fee payments.
- **Certificates:** Auto-generate course completion certificates.
- **Reviews:** Students can rate courses and teachers.

Module 8: Service Business Directory

(Missing Feature Restored)

- **Service Listings:** Dedicated pages to list "Repair Services" with rate cards.
- **Booking System:** Customers can book a service (e.g., "Book TV Repair").
- **Status Tracking:** Track service status (Pending -> In Progress -> Completed).

Module 9: Classifieds & Real Estate

(Missing Feature Restored)

- **Property Listings:** Admin can post "Flats for Sale/Rent" with image galleries.
- **Classifieds:** Buy/Sell section for old books or equipment.
- **Contact Integration:** "WhatsApp Now" button for listings.

Module 10: Reports & Analytics

- **Academic Reports:** Student performance graphs, Rank lists.
- **Financial Reports:** Fee collection, Pending dues, Service revenue.
- **Attendance Reports:** Batch-wise and Student-wise exportable to Excel/PDF.

Module 11: Finance & Payments

(Critical Addition)

- **Payment Gateway:** Integrated Razorpay / PhonePe (UPI, Cards, Wallets).
- **Automated Invoicing:** GST-compliant fee receipts generated automatically.
- **Fee Reminders:** Auto-SMS/Email alerts for due fees.

Module 12: System, Migration & Support

- **Data Migration:** Manual transfer of key text content from the old PHP site.
- **Backups:** Daily automated database backups.
- **Notifications:** Email & SMS integration for all alerts.

3. Technology Stack

- Backend:** Python + Django (Enterprise Grade Security).
- Frontend:** HTML5, CSS3, Bootstrap 5, JavaScript.
- Database:** PostgreSQL.
- Server:** Linux VPS (AWS / Digital-Ocean).

4. Estimated Timeline

Phase	Tasks	Duration
Phase 1	CMS, Service Directory, Classifieds, DB Design	25 Days
Phase 2	Core LMS (Courses, Batches, Auth)	25 Days
Phase 3	Live Classes, Video Player, Exam Engine	30 Days
Phase 4	Payments, Coupons, Offline Marks, Migration	20 Days
Phase 5	Final Testing, Security Audit, Deployment	10 Days
Total	Project Duration	~110 Days

5. Commercial Proposal (Final Costing)

Component	Description	Cost (INR)
A. Core LMS Development	Modules 2, 3, 5, 10 (Panels, Courses, Reports)	₹ 2,50,000
B. Advanced LMS Features	Live Class API, Exam Engine, Security, Coupons	₹ 1,50,000
C. Business Portal Features	Dynamic CMS, Repair Services, Classifieds	₹ 1,00,000
D. Finance & Migration	Payment Gateway, Data Transfer, Setup	₹ 50,000
Total Project Cost	Complete Package	₹ 5,50,000/-

(Note: Pricing includes Source Code handover and 3 Months Bug-Fix Support.)

Payment Terms:

- 30% Advance.
- 25% After Phase 2 Completion.

- **25%** After Phase 4 Completion.
- **20%** On Final Handover.