

# Enterprise Management Software

## A Modular Platform for Large-Scale Training, Operations, and Lifecycle Management

We are developing a highly scalable and modular **Enterprise Management Software (EMS)** designed to address the operational needs of government skill development bodies, educational institutions, and training organizations. This end-to-end digital solution brings together multiple workflows into a unified platform that handles student lifecycle management, course and examination modules, partner coordination, communication, and real-time analytics.

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### Key Features & Functional Modules

#### 1. Unified Registration System

- Seamless registration for students using single sign-on (SSO) and document verification APIs
- Bulk registration support for onboarding students via affiliated institutions or partners
- Smart forms integrated with government databases (e.g., Jan Aadhaar, DigiLocker)
- Automatic creation and synchronization of digital student profiles

#### 2. Student Lifecycle Management

- 360-degree student view including program participation, assessments, counselling, and certifications
- Timeline-based tracking of engagement with training programs, exams, and job applications
- Intelligent recommendation engine for program and job suggestions based on student data

#### 3. Course & Batch Management

- Admin and partner access to add/edit courses and define training modules
- Flexible batch creation and allocation based on preferences, capacity, and scheduling
- Integrated attendance system with daily and session-based tracking
- Performance tracking dashboards for trainers and students

#### 4. Examination & Assessment System

- Creation and management of quizzes, mock tests, and formal assessments
- Central question bank with mapped answers and automated scoring
- Admit card generation, hall ticket scheduling, and result declaration
- Scholarship and eligibility determination based on exam performance

#### 5. Fee Management Module

- Integration with secure government/state-level payment gateways
- Auto-calculation of applicable fees based on student type and scholarship level

- Real-time payment tracking, invoicing, and receipts generation
- Notifications for fee due dates and confirmations

## **6. Counselling & Document Verification**

- Online counselling application with multi-step approval workflow
- Document upload and verification stages with support for editable forms
- Communication tracking between student and counsellors

## **7. Outreach & Engagement Module**

- Campaign management interface for organizing outreach events and awareness drives
- Role-based access for administrators, partners, and faculty coordinators
- Real-time update tracker for outreach goals, progress, and faculty participation
- Outreach impact analytics and feedback reports

## **8. Training Provider & Partner Portal**

- Onboarding interface for OEMs, training providers, and placement partners
- Access to allocated batches, student lists, training schedules, and document uploads
- Partner dashboards with reporting and performance submission capabilities
- Certificate request tracking and payments overview

## **9. Communication Engine**

- Bulk and targeted communication through SMS, email, and WhatsApp integrations
- Custom templates for registration, examination, counselling, and results
- Support for student-specific alerts and group announcements
- Internal messaging system for secure correspondence

## **10. Analytics & Reports**

- Real-time dashboards for student enrolment, course progress, examination outcomes
- Admin-level reports on training center performance, dropout analysis, and placement stats
- Export options in PDF, Excel, and API-based integrations for external MIS systems
- Configurable KPIs for performance benchmarking

## **11. Certificate Management System**

- Generation of digital certificates for participation, completion, and awards
  - Customizable certificate templates with automated issuance and audit trails
  - Role-based access for creation, approval, and download
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## Technology Stack

- **Frontend:** Angular
- **Backend:** .NET Core
- **Database:** SQL Server
- **APIs:** RESTful services for integration with identity verification, payment, and mobile systems
- **Mobile Compatibility:** Integrated APKs for registration, exam access, and attendance tracking