

Statement of Work (SOW)

Project: A Comprehensive AI-Powered Education Management System

Document Details

- **Version:** 1.0
 - **Date:** 26th November 2025
 - **Client:** Mohammad Shafique
 - **Prepared By:** Afnandevs
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1. Project Overview

This Statement of Work outlines the development of a comprehensive AI-powered Education Management System designed to centralize and automate administrative, academic, and financial operations for your institution.

The platform will create a unified, role-based system that streamlines student and teacher management, admissions, payroll, and multi-branch operations. The AI dashboard will provide predictive analytics and data-driven insights to enhance decision-making, improve efficiency, and support institutional growth.

2. Detailed Scope of Work

2.1. AI-Powered Central Dashboard

- Main dashboard with customizable widgets for Admin users
 - **AI-Driven Insights:**
 - Student performance and risk predictions
 - Teacher effectiveness metrics
 - Payroll cost analysis and forecasting
 - Admission trend forecasting
 - Automated report generation
 - Interactive data visualizations
 - Natural language query interface
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2.2. Student Management Module

- Comprehensive student profile system
 - Attendance tracking with automated notifications
 - Grade book and transcript management
 - Course registration and scheduling
 - Discipline and incident tracking
 - Parent/guardian communication logs
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2.3. Teacher Management Module

- Teacher profile and data management
 - Class and subject assignment
 - Timetable and schedule management
 - **Integrated Student Management:**
 - View students enrolled in assigned courses
 - Monitor student performance and attendance
 - Track grade patterns
 - Leave management with payroll integration
 - Teacher performance and appraisal tracking
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2.4. Payroll Management Module

- Automated salary calculation
 - Integration with teacher attendance and leave records
 - Digital payslip generation and distribution
 - Tax and statutory deduction handling
 - Payroll history and detailed reporting
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2.5. Student Admission Management Module

- Customizable online admission forms
 - Integrated application fee payments
 - Application status tracking system
 - Internal review and approval workflow
 - Automated notifications
 - Direct enrollment into the Student Management system
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2.6. Portal & Sub-Branch Account Management

- Centralized super-admin portal
 - Branch-specific admin accounts
 - Role-based access control with strict data segregation
 - Consolidated analytics across branches
 - Branch-specific dashboards and reporting
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3. Technology Stack

Backend:

- Node.js / Python

Frontend:

- React.js with Material-UI

Database:

- PostgreSQL

AI/ML Components:

- TensorFlow / PyTorch / Scikit-learn

Deployment & Infrastructure:

- **Hosting:** Hetzner Cloud
 - **Version Control:** Git / GitHub
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4. Deployment & Hosting

The software will be deployed on **Hetzner Cloud** infrastructure.

Important Billing Information:

- Afnandevs will handle initial setup and deployment
 - **Client is directly responsible for all monthly Hetzner hosting bills**
 - Hosting and infrastructure charges will be billed directly by Hetzner
 - Ongoing server maintenance and scaling costs are the client's responsibility
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5. Project Assumptions

- Client will provide timely approvals and feedback
 - Required content (images, logos, text) will be supplied by the client
 - Scope changes after acceptance require a formal Change Request
 - Client is responsible for Hetzner account setup and billing
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6. Acceptance Terms

By replying to this document with the exact statement:

"I have agreed with the SOW"

Mohammad Shaffique acknowledges full acceptance of all terms, conditions, and deliverables outlined in this Statement of Work.

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