Statement of Work (SOW) for Elective Course/Project Registration System

Project Title: Elective Course/Project Registration System

Date: February 7 2025

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1. Introduction

The Elective Course/Project Registration System is designed to streamline the process of selecting and registering for elective courses or academic projects. The system will allow students to view available electives, check prerequisites, and enroll efficiently. Faculty members and administrators will also have access to manage course offerings and track enrollments. The goal is to enhance transparency, improve accessibility, and reduce manual effort in the registration process.

2. Scope of Work

This project involves designing and developing a web-based application that enables students to register for electives or projects based on their eligibility and availability.

Key Features:

User Authentication: Secure login for students, faculty, and administrators.

Course/Project Catalog: View a list of available electives or projects with descriptions, prerequisites, and seat availability.

Automated Registration: Students can enroll based on eligibility and seat limits.

Waitlist Management: Automatic waitlisting if a course/project is full.

Faculty Dashboard: Instructors can approve/disapprove student enrollments for projects.

Admin Controls: Add, modify, or remove electives/projects and manage registrations.

Notifications & Alerts: Email/SMS alerts for registration confirmations, deadlines, and updates.

Reporting & Analytics: Generate reports on enrollment trends and student preferences.

3. Deliverables

Deliverable	Description	Due Date
UI/UX Design & Wireframe	Initial interface designs and prototypes	[Insert Date]
Core Development	Implementation of registration logic and database setup	[Insert Date]
Testing & Debugging	Functional and security testing of the system	[Insert Date]
Final Deployment	Launch and deployment of the application	[Insert Date]

4. Timeline and Milestones

Milestone	Description	Due Date
Project Kickoff	Initial planning and team alignment	[Insert Date]
Phase 1 Completion	Completion of UI/UX and database design	[Insert Date]

Phase 2 Completion	Implementation of registration logic	[Insert Date]
Final Delivery	Fully functional system deployment	[Insert Date]

5. Roles and Responsibilities

The project team consists of students, faculty, and developers responsible for various tasks:

Developers: Backend and frontend development, system integration.

UI/UX Designers: Designing an intuitive interface for users.

Database Administrator: Managing student, course, and enrollment records.

Project Coordinator: Ensuring timely completion and testing of the system.

Faculty & Administrators: Providing input on elective requirements and testing features.

6. Assumptions and Constraints

Assumptions:

Students have unique login credentials to access the system.

Course/project availability and prerequisites are predefined.

The system integrates with the institution's academic database.

Notifications and reminders are sent via email/SMS.

Constraints:

The system must handle peak-time loads during registration periods.

Institutional policies may restrict real-time changes in enrollments.

Compliance with data security and privacy regulations.

7. Conclusion

The Elective Course/Project Registration System aims to provide a seamless, automated, and efficient process for students to enroll in electives or academic projects. With an intuitive user interface, automated workflows, and robust reporting features, this system will reduce administrative workload and enhance the student experience. Continuous improvements and feedback integration will ensure that the system meets the institution's evolving needs.

8. Approval Signatures

Client Contact: Software Engineering Course, Mahindra University