

# **Statement of Work**

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**Prepared By:** Mahindra University

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## **PROJECT OVERVIEW:**

### **Product Vision**

**FOR** Final year students of Mahindra University and faculty members.

**WHO** Students often struggle to find and apply for faculty-led projects that align with their interests and academic goals. Likewise, faculty members need an efficient platform to showcase available projects and recruit suitable candidates.

**THE** Final Year Student Project Application System.

**IS** A web-based platform.

**THAT** Enables students to view available projects, apply for them, and allows faculty to approve or reject applications.

This system streamlines the project selection process by offering a clear, real-time view of available projects. Faculty members can manage project postings efficiently, while students can track application statuses without manual intervention. By integrating an automated approval workflow, the system ensures fair and transparent project allocation.

Additionally, the platform provides a collaborative environment where students and faculty can seamlessly communicate. Built-in scheduling tools help in planning project meetings, reducing back-and-forth emails, and ensuring effective time management.

The user-friendly interface ensures that both students and faculty members can interact with the system without technical barriers.

**UNLIKE** Existing university notice boards, scattered spreadsheets, email-based communication or unofficial social media groups, which are unorganized and lack an integrated application process.

**OUR PRODUCT** Provides a centralized, automated, and user-friendly system that improves project selection, enhances transparency, and simplifies scheduling of faculty-student meetings. It also reduces administrative workload and minimizes the risk of miscommunication or delays in project approvals.

## **Key Features:**

### **1. Live Project Availability**

- Faculty can post live projects along with details such as project title, description, required skills, timeline, and availability.
- Students can view projects in real-time, ensuring they always have access to the latest opportunities.

### **2. Application and Approval System**

- Students can browse through available projects and submit applications.
- Faculty can review applications, accept or reject candidates, and provide feedback.

### **3. Meeting Scheduler**

- Integrated calendar system where students and faculty can schedule meetings.
- Syncs with popular calendar apps (Google Calendar, Outlook) for seamless integration.
- Automated time slot suggestions based on availability to avoid conflicts.

### **4. User Authentication & Role Management**

- Secure login system with multi-factor authentication (if needed).

### **5. Notifications and Alerts**

- Real-time notifications for important updates, such as:
  - Project application status changes.
  - New project postings by faculty.

- Meeting reminders and rescheduling alerts.

## **6. Smart Matching System**

- AI-powered recommendation engine that suggests the most suitable projects based on:
  - Student skills and academic background.
  - Past project experiences.
  - Faculty preferences and project requirements.
- Uses machine learning to improve recommendations over time based on user interactions.

## **7. Comprehensive Search & Filter Options**

- Advanced filtering options to refine project searches based on Department, Faculty Name, Project type, Skills and Availability.
- Keyword-based search functionality for quick access.