Statement of Work (SOW)

Project Title: JUNO 2.0.

Website, but can also be rendered on mobiles (using web view).

Date: 7th February 2025.

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1. Introduction

This Statement of Work (SOW) outlines the objectives, scope, deliverables, and responsibilities for the development of an enhanced college utility website to be executed by us. The project aims to improve the existing college website by introducing new features that address key student and faculty needs.

2. Scope of Work

Project Overview:

- **FOR** university students, faculty, and staff.
- **WHO** face challenges in finding available classrooms, tracking mess balances, scheduling professor consultations, and managing lost-and-found items.
- **The** Website is a campus management system**.**
- **THAT** provides a centralized and user-friendly solution.
- **UNLIKE** traditional manual processes that are time-consuming and lack transparency.
- **OUR PRODUCT** offers real-time updates, seamless booking, integrated permissions.

Project Description:

One of the key aspects of a university website should be handling day to day operations smoothly but during our time at the university, we encountered several challenges that affected our overall experience, which not only created unnecessary stress but also hindered the smooth functioning of daily university activities. By addressing the challenges through a digital solution, this project aims to improve efficiency, reduce administrative burdens, and create a more seamless university experience for all stakeholders.

Objectives:

- Real-time information on available classrooms, allowing students to check for empty rooms and book them.
- A real-time mess balance tracking feature for day scholars, allowing them to easily check their remaining meal credits or balance
- A calendar feature where professors can update their free hours, allowing students to check availability and schedule meetings.
- A lost-and-found feature for easy item recovery.

Key Activities:

- Requirement gathering – Understand user needs and technical specifications.
- Frontend Development– Create an intuitive interface for easy navigation.
- Backend development – Implement secure and efficient data management.
- Feature integration – Develop and integrate all core functionalities.
- Testing and debugging – Ensure smooth website performance.
- Feedback – Collect feedback and make necessary improvements.

3.Deliverables

- Deliverable 1: Requirements Documentation (Due: 7th February 2025)
- Deliverable 2: Software Requirements Specifications (Due: 10th March 2025)
- Deliverable 3: Software Design Document (Due: 7th April 2025)
- Deliverable 4: Software Test Plan (Due: 9th May 2025)

4.Timeline and Milestone

Milestone	Description	Due Date
Project Kick-off	Initial project discussion and planning.	23rd January 2025
Requirements Documentation	Completion of feature list and scope	7th February 2025
Software Requirements Specification (SRS) Completion	Define functional and non-functional requirements.	10th March 2025
Software Design Document	Document the system design and architecture.	7th April 2025
Development Phase Begins	Start coding based on the approved design.	8th April 2025
Software Testing Plan	Define testing strategies, test cases, and procedures.	9th May 2025
Testing Phase Begins	Start testing the developed features.	10th May 2025
Final Review and Refinements	Review test results, fix bugs, and refine the system.	20th May 2025

5. Roles and Responsibilities

- **Yaswitha Kolla** (SE22UARI074): UI/UX Designer
- **Roshan Goka** (SE22UARI052): Frontend
- **Chadagonda Harshitha Reddy** (SE22UARI031): Backend
- **D.Sri Sanjana Reddy** (SE22UARI040): Backend
- **Komal Varma** (SE22UARI117): Backend
- **Aashi Gupta** (SE22UARI003): Backend and Integration
- **Madhulika Munnangi** (SE22UARI089): Frontend and Integration

6.Assumptions and Constraints

Assumptions:

- The platform will have a secure authentication system, allowing only authorized university members to access relevant features using their university credentials.
- Faculty and students will participate in testing and feedback.

Constraints:

- The original university data is not provided, the system will be developed and tested using dummy data.
- Features must align with college administration policies.