

CSE 6224 Software Requirements Engineering

TRIMESTER 2510

PROJECT PART 1

Campus Ride-Sharing Platform with Parking System Integration

**Team Preliminary**

**Lecture Section: TC1L**

**Tutorial Section: TT2L**

**Group Number: 7**

**Group Members:**

|  |  |
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Project Vision

This project involves creating a ride-sharing application specifically for university community members that integrates with the campus parking management system and digital ID verification. The platform will enable students, faculty, and staff to coordinate carpools, reducing parking demand while providing real-time parking availability data to users.

This platform aims to foster a sustainable and connected campus community, encouraging carpooling and facilitating a more efficient use of on-campus parking spaces.

Project Scope

This project involves the planning, design, and documentation of a Campus Ride-Sharing Platform with Parking System Integration, specifically for university students, staff, and faculty. The focus is on delivering requirement analysis outputs and preparing a detailed Software Requirements Specification (SRS) document.

The project scope includes:

* Forming a team and assigning roles.
* Defining the project vision, scope, and goals.
* Identifying context objects and sources of requirements.
* Planning and conducting requirement elicitation using suitable techniques.
* Applying the Kano Model to classify user needs.
* Documenting raw elicitation findings and producing categorized outputs.
* Drafting and finalizing the SRS.

The outcome of this project will be a complete and well-documented set of requirement engineering deliverables submitted via GitHub.

Project Goals

To create a mobile-based app with a ride-booking and tracking system together with a parking management system that visualizes real-time parking availability on campus. This project is expected to be completed by the fourth quarter of 2025, with an expected adoption rate of 80% and aims to free up on-campus parking space by 20%.

Communication Plan

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| --- | --- | --- | --- | --- | --- |
| **Communication** | **Method** | **Frequency** | **Goal** | **Owner** | **Audience** |
| Project Status Update | Meeting | Weekly | Review project status and discuss issues. | Team Leader | Project Team |
| Task Progress Update | Microsoft Teams Chat | Weekly | Review the progress of each team member’s tasks. | Team Leader | Project Team |
| Task Assignment | Google Docs | Weekly | To assign tasks to each team member. | Team Leader | Project Team |
| Task Coordination | Microsoft Teams Chat | Weekly | To communicate and coordinate tasks with other members to ensure they align. | Team Leader | Project Team |