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**CSE 6224**

**SOFTWARE REQUIREMENTS ENG**

**System Requirements Specification (SRS)**

**Title:**

**Campus Ride-Sharing Platform with Parking System Integration**

**TT2L**

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# **Introduction**

## **Purpose**

The purpose of this document is to outline the specific requirements needed to develop the Campus Ride-Sharing Platform with Parking System Integration, designed for use by students, staff, and faculty of Multimedia University (MMU). This platform aims to encourage eco-friendly commuting, reduce campus congestion, and optimize parking space usage by allowing verified users to share rides and view real-time parking availability.

The development team, project manager, quality assurance team, university stakeholders, and IT support personnel involved in the system's integration and deployment are the target audience for this document.

## **Scope**

The Campus Ride-Sharing Platform with Parking System shall facilitate mainly the following operations:

1. User registration and login via MMU digital ID verification.
2. Establishment and participation in ride-sharing programs for users going in comparable routes.
3. Real-time availability of parking spaces within MMU campus areas.
4. Notifications regarding ride requests, confirmations, and cancellations.
5. Ride history tracking and user feedback collection.

## **Product Overview**

### **Product Perspective**

### Product Functions

### User Characteristics

### Limitations

## Definition

# References

This document is prepared in reference to the following documents:

ISO/IEC/IEEE 29148:2018

# Requirements

## Functions

## Performance Requirements

## Usability Requirements

## Interface Requirements

## Logical Database Requirements

## Design Constraints

## Software System Attributes

## Supporting Information

# Verification

# Appendices

## Assumptions and Dependencies

## Acronyms and Abbreviations

|  |  |
| --- | --- |
| SRS | System Requirements Specification |
| MMU | Multimedia University |
| ID | Identification |
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