**Software Requirements Specification (SRS) for CampusOppurtuna**

**1. Introduction**

**1.1 Purpose of this Document**

This Software Requirements Specification (SRS) document delineates the functional and non-functional prerequisites for the development of CampusOppurtuna, an online platform designed to facilitate scholarship, internship, and event registrations and detailed information management for students.

**1.2 Scope of this Document**

This document focuses on the core functionalities of CampusOppurtuna, including user registration, scholarship/internship/event listings, registration processes, and detailed information management. It excludes specific hardware requirements, network infrastructure details, and user interface design specifications, which will be detailed separately.

**1.3 Overview**

CampusOppurtuna aims to provide students with a centralized platform to explore and apply for scholarships, internships, and events. It will streamline the registration process and provide comprehensive information about each opportunity, enhancing accessibility and efficiency for students.

**1.4 Business Context**

CampusOppurtuna will serve students seeking scholarships, internships, and event participation opportunities. It will be implemented by educational institutions, organizations offering scholarships/internships, and event organizers aiming to reach a wider student audience.

**2. General Description**

**2.1 Product Functions**

* User registration and login
* Scholarship listing with detailed information
* Internship listing with detailed information
* Event listing with detailed information
* Registration process for scholarships, internships, and events
* Profile management for users
* Notification system for updates on registered opportunities

**2.2 Similar System Information**

Existing online platforms offering scholarship, internship, and event listings can be referenced for understanding functionalities and user experience best practices.

**2.3 User Characteristics**

CampusOppurtuna is intended for students at educational institutions seeking scholarships, internships, and event participation opportunities.

**2.4 User Problem Statement**

Students face challenges in discovering and applying for scholarships, internships, and events due to scattered information sources and cumbersome registration processes.

**2.5 User Objectives**

Students expect CampusOppurtuna to provide:

* Easy access to comprehensive listings of scholarships, internships, and events
* Simplified registration processes for various opportunities
* Detailed information about each opportunity to make informed decisions

**2.6 General Constraints**

* Compliance with relevant regulations and privacy laws
* Integration with educational institutions' systems for student authentication and verification
* Scalability to accommodate increasing user and opportunity volumes

**3. Functional Requirements**

**3.1 User Management:**

* User registration with necessary details
* Secure login process with password encryption
* Profile management for users

**3.2 Opportunity Management:**

* Listing of scholarships, internships, and events
* Detailed information display for each opportunity
* Search and filter functionality for easy navigation

**3.3 Registration Process:**

* Registration process for scholarships, internships, and events
* Confirmation notification upon successful registration

**3.4 Notification System:**

* System-generated email and/or SMS notifications for updates on registered opportunities

**4. Interface Requirements**

**4.1 User Interfaces**

* Web-based user interface accessible via standard web browsers
* Intuitive and user-friendly design with clear navigation

**4.2 Software Interfaces**

* Integration with educational institutions' systems for student authentication and verification
* Integration with email and SMS services for notification delivery

**5. Performance Requirements**

* Fast response times for user interactions
* Scalability to handle concurrent user registrations without performance degradation

**6. Other Non-Functional Attributes**

**6.1 Security**

* Secure authentication and authorization mechanisms
* Data encryption for protecting user information

**6.2 Reliability**

* High system availability with minimal downtime
* Regular data backups to prevent data loss

**6.3 Maintainability**

* Well-documented code for easy maintenance and updates
* Regular system updates to address vulnerabilities and improve performance

**6.4 Usability**

* Clear instructions and error messages to assist users during the registration process
* Accessibility features for users with disabilities