

# Software Requirements Specification (SRS)

## 1. Introduction

This document describes the functional and non-functional requirements of the Placement Management System (PMS). It defines system behavior, constraints, and performance expectations, serving as a reference for developers, testers, and stakeholders involved in system development and evaluation.

## 2. Overall Description

The Placement Management System is designed to automate and streamline campus placement activities in educational institutions by replacing manual and fragmented processes with a centralized digital platform. It provides a structured approach to managing placement-related tasks such as student registration, profile management, job and internship postings, application processing, and interview scheduling, thereby reducing administrative complexity and operational delays.

The system aims to improve efficiency, accuracy, and transparency by maintaining a single source of reliable data for students, placement administrators, and recruiting companies. By offering real-time updates on application status, interview schedules, and placement outcomes, the system enhances communication and coordination among all stakeholders. This centralized approach minimizes errors, improves data consistency, and ensures a smooth and organized placement process across the institution.

## 3. Functional Requirements

- User Registration and Authentication
- Student Profile Management
- Company and Job Management
- Eligibility Verification
- Job and Internship Application
- Application Status Management
- Interview Scheduling
- Announcements and Notifications
- Offer and Placement Status Management
- Query Management
- Data Persistence and Security
- System Monitoring

#### **4. Non-Functional Requirements**

- Performance
- Security
- Reliability
- Usability
- Scalability
- Maintainability
- Portability

#### **5. System Interfaces**

The system interfaces include:

- User Interface: Web-based interface for students and administrators
- Hardware Interface: Standard computing devices with internet access
- Software Interface: Backend services, database systems, and notification services