Program :- Prepare an SRS document in line with the IEEE recommended standards for the specified Case Study. (Functional Requirements)

**Project Name: Campus Recruitment System**

1. Introduction

1.1 Purpose

The purpose of this document is to provide a comprehensive overview of the functional requirements for the Campus Recruitment System, aimed at streamlining and improving the campus recruitment process.

1.2 Scope

The Campus Recruitment System will be a web-based platform that connects educational institutions, students, and employers to facilitate the recruitment process. This document covers the functional requirements of the system.

2. Functional Requirements

2.1 User Management

The system shall provide user registration and login functionality.

Different user roles (e.g., students, faculty, employers, and administrators) shall be supported, each with specific privileges.

Users can reset their passwords through a secure authentication process.

2.2 Job Posting and Management

4. Employers shall be able to create, edit, and delete job postings.

Job postings shall include job descriptions, requirements, application deadlines, and company details.

Employers can categorize job postings based on industry, job type, and location.

2.3 Application Management

7. Students shall be able to browse and search for job postings.

Students can submit applications for jobs by providing their resumes and cover letters.

Students shall receive notifications of application status changes (e.g., shortlisted, rejected, selected).

2.4 Interview Scheduling

10. Employers shall have the ability to schedule interviews with selected candidates.

Students shall receive notifications of interview invitations and schedule updates.

Students and employers can confirm or reschedule interview appointments.

2.5 Notification System

13. The system shall send email and in-app notifications for important events (e.g., new job postings, interview invitations, application status updates).

Users can customize their notification preferences.

2.6 Reporting and Analytics

15. Administrators shall have access to analytics and reporting tools to track the usage and effectiveness of the system.

Employers can view and export reports on the status of their job postings and candidate applications.

Students can access reports on their application history and interview performance.

2.7 Security and Access Control

18. User authentication and authorization mechanisms shall be implemented to ensure data privacy and security.

The system shall maintain data backups and implement disaster recovery protocols.

Passwords and sensitive data shall be stored securely using encryption techniques.

2.8 System Configuration

21. Administrators shall be able to configure system settings, such as system language, time zone, and email templates.

The system shall support customization of the user interface (e.g., branding, logos) by educational institutions.

2.9 Integration

23. The system shall integrate with third-party job boards and social media platforms for broader job exposure.

Data exchange between the Campus Recruitment System and external systems shall be facilitated through APIs.

2.10 Help and Support

25. The system shall provide online help resources, FAQs, and a support ticket system for users to resolve issues and seek assistance.

3. Compliance Requirements

26. The system shall adhere to all relevant data protection and privacy regulations, including GDPR and HIPAA (if applicable).

4. Constraints

27. The system shall be accessible through modern web browsers and responsive across various devices (desktop, mobile, tablet).

5. Assumptions and Dependencies

28. The system assumes a reliable internet connection for all users.

Integration with third-party services is dependent on the availability and compatibility of those services.

6. Appendices

7. Glossary

Users: Refers to students, faculty, employers, and administrators using the system.

API: Application Programming Interface.

GDPR: General Data Protection Regulation.

HIPAA: Health Insurance Portability and Accountability Act.