

Software Requirement Specification (SRS) for HRDI Website

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1. Introduction

1.1 Purpose

The purpose of this Software Requirement Specification (SRS) document is to provide a detailed description of the requirements for the development of the Human Resource Development Institution (HRDI) Website. This document outlines the functionality, user interfaces, performance, security, and other aspects of the website.

1.2 Scope

The scope of this SRS covers the entire HRDI Website, including user authentication, content management, program registration, networking features, research resources, skill development, and event management.

1.3 Definitions, Acronyms, and Abbreviations

- HRDI: Human Resource Development Institution
- SRS: Software Requirement Specification

1.4 References

[List any external documents or references relevant to this SRS.]

1.5 Overview

This document provides an overview of the requirements for the HRDI Website. It includes information on product perspective, user classes, functional and non-functional requirements, and other important aspects of the software.

2. Overall Description

2.1 Product Perspective

The HRDI Website is a standalone web application that serves as a platform for HRDI stakeholders to access development programs, resources, networking opportunities, and event information.

2.2 Product Functions

The HRDI Website will provide the following key functions:

- User authentication and role-based access control.
- Content management for program information and news.
- Registration and enrollment for development programs.
- Networking and collaboration tools.
- Research resource repository.
- Skill development resources and tracking.
- Event management and promotion features.

2.3 User Classes and Characteristics

The users of the HRDI Website fall into the following classes:

- Administrators: Responsible for website management and content updates.
- Faculty Members: Will use the website for program registration and access to resources.
- Students: Will register for programs, access support courses, and collaborate with industry professionals.
- Industry Professionals: Will engage in collaboration and networking activities.
- Researchers: Will use the website for research collaboration and resource access.

2.4 Operating Environment

The HRDI Website will be accessible via modern web browsers and will be hosted on a web server. It will require an internet connection for user access.

2.5 Design and Implementation Constraints

The website should be designed to be responsive, ensuring usability on various devices, including desktops, tablets, and smartphones. It should also comply with data protection regulations and industry security standards.

2.6 User Documentation

User documentation, including user guides and help resources, will be provided to assist users in navigating and utilizing the website.

2.7 Assumptions and Dependencies

- The website development team assumes access to appropriate development tools and resources.
- The website will depend on a reliable web hosting service for deployment.

3. Specific Requirements

3.1 External Interfaces

The HRDI Website will interact with external systems, including user authentication services, payment gateways for program fees, and email services for notifications.

3.2 Functional Requirements

[List all functional requirements specifying the software's behavior under certain conditions.]

3.3 Non-Functional Requirements

[List all non-functional requirements, such as performance, usability, and security requirements.]

3.4 Performance Requirements

[List all performance-related requirements, including response times, scalability, and reliability.]

3.5 Security Requirements

[List all security requirements, including data encryption, access control, and protection against common vulnerabilities.]

3.6 Software Quality Attributes

[List software quality attributes such as maintainability, reliability, and usability.]

3.7 Other Requirements

[List any additional requirements not covered above.]

4. Appendices

4.1 Glossary

[List definitions of terms and acronyms used throughout the document.]

4.2 Use Case Diagrams

[Include any relevant use case diagrams.]

4.3 Data Flow Diagrams

[Include any relevant data flow diagrams.]