

Functional Requirement Document (FRD) for HRDI Website

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1. Introduction

This Functional Requirement Document (FRD) outlines the functional specifications for the Human Resource Development Institution (HRDI) Website. HRDI is a UGC Approved organization aiming to enhance individuals' personal, professional, technological, and social development. The website will serve as a crucial platform for HRDI's objectives, including faculty and student development programs, industry networking, research facilitation, employability enhancement, and event organization.

2. Project Overview

2.1 Background and Motivation

HRDI's mission is to develop individuals across various spheres, preparing them for success in academia, careers, and societal contributions. The HRDI website is envisioned as a vital tool to accomplish these objectives by providing information, resources, and networking opportunities.

2.2 Objectives

The primary objectives of the HRDI Website project are:

- Provide access to information about HRDI's programs and initiatives.
- Facilitate online registration and enrollment in HRDI programs.
- Foster communication and networking among students, faculty, and industry professionals.
- Share research resources and promote collaborative research efforts.
- Showcase HRDI's contributions to employability and soft skills development.
- Promote and manage HRDI events and activities.

2.3 Scope

The scope of the HRDI Website includes features and functionality related to faculty development, student support, industry collaboration, research, employability enhancement, and event management. The website aims to serve the needs of HRDI stakeholders, including students, faculty, professionals, and industry partners.

3. Functional Requirements

3.1 User Roles and Access

3.1.1 User Roles

The website will support the following user roles:

- Administrator: Manages website content, user accounts, and configurations.
- Faculty: Access to faculty development resources, registration, and program information.
- Students: Access to student development programs, enrollment, and support materials.
- Professionals: Access to industry collaboration opportunities, resources, and events.

3.1.2 User Authentication and Authorization

- Users must register and log in to access personalized content.
- Different user roles will have varying levels of access and permissions.

3.2 Content Management

3.2.1 Program Information

- Display information about faculty and student development programs.
- Provide program details, schedules, and registration options.
- Include downloadable program materials and resources.

3.2.2 News and Updates

- Showcase news articles, announcements, and updates related to HRDI activities.
- Allow administrators to publish and manage news content.

3.3 Faculty Development Programs

3.3.1 Registration and Enrollment

- Faculty members can register for development programs online.
- Support program selection, payment processing, and enrollment confirmation.

3.3.2 Resource Access

- Provide faculty access to program materials, tutorials, and educational content.
- Support progress tracking and completion certificates.

3.4 Support Courses

3.4.1 Course Catalog

- Display a catalog of support courses available for students.
- Include course descriptions, prerequisites, and schedules.

3.4.2 Enrollment

- Students can enroll in support courses through the website.
- Manage course registration, payment, and access to course materials.

3.5 Industry Networking and Projects

3.5.1 Industry Collaboration

- Facilitate networking between students, faculty, and industry professionals.
- Provide a platform for industry partnerships and project collaborations.

3.5.2 Project Opportunities

- Showcase available projects, internships, and research opportunities.
- Support project application and tracking.

3.6 Research Facilitation

3.6.1 Research Resources

- Share research publications, journals, and articles.
- Provide access to research tools and databases.

3.6.2 Research Partnerships

- Facilitate research collaborations with local and international universities.
- Manage research project proposals and partnerships.

3.7 Employability and Soft Skills

3.7.1 Skill Development Resources

- Offer resources and courses for enhancing employability and soft skills.
- Track user progress and provide certificates.

3.8 Events and Activities

3.8.1 Event Calendar

- Display a calendar of HRDI events, workshops, seminars, and activities.
- Allow users to register for events and receive event updates.

3.8.2 Event Management

- Administrators can create, edit, and manage events.
- Collect event registrations and feedback.

4. User Experience

The website should offer an intuitive, visually appealing, and responsive user interface. It should prioritize ease of navigation and accessibility for all user roles.

5. Technical Requirements

- The website should be compatible with modern web browsers.
- Data storage and security measures should comply with industry standards.
- Mobile responsiveness for users on various devices is essential.

6. Security and Privacy

- User data must be securely stored and transmitted.
- Access control and authorization mechanisms should be implemented.
- Compliance with data protection regulations is mandatory.

7. Budget and Resources

- The project budget covers development costs, hosting, security measures, and ongoing maintenance.
- Resources required include development environments, testing tools, and server hosting.

8. Risk Management

- Risks include data breaches, technical issues, and user dissatisfaction.
- Risk mitigation strategies involve robust security measures, agile development, and user feedback loops.

9. Appendix

9.1 Glossary

- HRDI: Human Resource Development Institution
- UGC: University Grants Commission
- DIU: Daffodil International University