1. INTRODUCTION

This section gives a scope description and overview of everything included in this SRS document. Also, the purpose for this document is described and a list of abbreviations and definitions is provided.

* 1. Purpose

The purpose of this document is to give a detailed description of the requirements for the “Online Faculty Recruitment Portal” (OFRP) facility. It will illustrate the purpose and complete declaration for the development of system. It will also explain system constraints, interface and interactions with other external applications. This document is primarily intended to be proposed to a customer for its approval and a reference for developing the first version of the system for the development team.

* 1. Scope

The “Online Faculty Recruitment” is a web application provided by IIT Indore, which helps applicants to submit their application online. People related to the approval process, get informed about the applications for a specific position at IIT Indore. The application is free to every registered user.

Faculty members in charge of the recruitment will have an account with special permissions. Any of the ‘Faculty’ account holder will be able to make changes to the advertisements. Also the faculty members will be able to view all the submissions received for their department.

The administrator uses the web portal in order to administer the system and keep the information accurate. Also the advertisements for any available positions are provided and managed by the administrator.

* 1. Definitions, acronyms and abbreviations

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| TERM | DEFINITION |
| USER | Someone who visits the web application. |
| ADMIN/ ADMINISTRATOR | Web application manager who is given special permission for managing and controlling the system |
| REGISTERED USER | Someone who is registered in the users database |
| WEB – PORTAL | Web application which provides special facilities for admins. |
| STAKE-HOLDER | Any person who has interaction with the system who is not a developer |
| DESC | Description |
| RAT | Rational |
| DEP | Dependency |
| TAG | A unique, persistent identifier contained in a PLanguage statement [2] |
| GIST | A short, simple description of the concept contained in a PLanguage statement [2] |
| SCALE | The scale of measure used by the requirement contained in a PLanguage statement [2] |
| METER | The process or device used to establish location on a SCALE contained in a PLanguage statement [2] |
| MUST | The minimum level required to avoid failure contained in a PLanguage statement [2] |
| PLANNED | The level at which good success can be claimed contained in a PLanguage statement [2] |
| WISH | A desirable level of achievement that may not be attainable through available means contained in a PLanguage statement [2] |
| DEFINED | The official definition of a term contained in a PLanguage statement [2] |

* 1. References

[1] IEEE Software Engineering Standards Committee, “IEEE Std 830-1998, IEEE Recommended Practice for Software Requirements Specifications”, October 20, 1998.

[2] Feldt R,”re\_lecture5b\_100914”, unpublished. 3

[3] Davis M A, “Just Enough Requirements Management: Where Software Development Meets Marketing”, New York, Dorset House Publishing, 2005.

[4] Karlsson J, “A Cost-Value Approach for Prioritizing Requirements”, Norges Teknisk-Naturvitenskapelige Uni. 1997

* 1. Overview

1. OVERALL DESCRIPTION

This section will give an overview of the whole system. The system will be explained in its context to show how the system interacts with other systems and introduce the basic functionality of it. It will also describe what type of stakeholders that will use the system and what functionality is available for each type. At last, the constraints and assumptions for the system will be presented.

* 1. Product Perspective

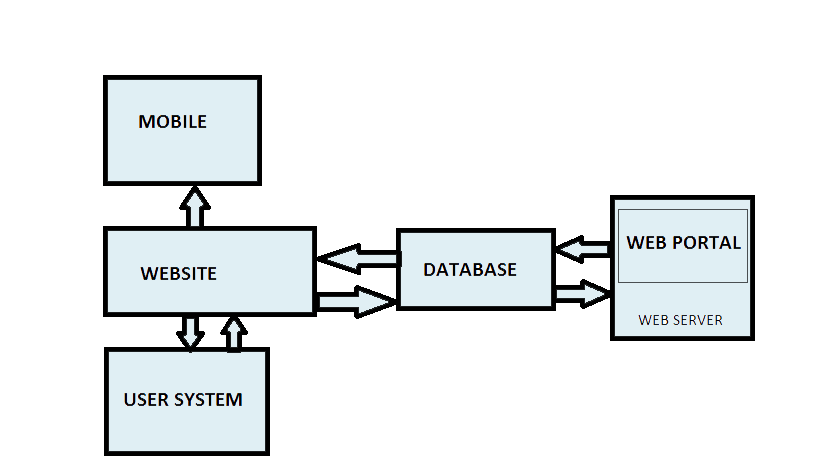
This application mostly consists of two parts, the website and the web-portal. The website will be used for users to submit applications and receive information of the applications. The web-portal will be used to manage the data displayed on the website and also overall management of user accounts.

Figure 1 (BLOCK DIAGRAM)

The user will need to communicate with the web application through world-wide web. The web site will in turn provide the information about available posts. Also the user will use the website to register him / her. The web site will then send a confirmation message to the mobile number provided by the user.

Since this is an application based product it will need somewhere to store the data provided by the user and the previous applications. For that, a database will be used. Both the web site and web portal will communicate with the database, however in slightly different ways. For an unregistered user the web site will only use the database to get and display information related to advertisements while the web portal will also add and modify the advertisement posts. All of the database communication will go over the Internet. Upon successful registration, the website will communicate with the data base and store the user information.

* 1. Product Functions

Any web user will be able to see the advertisement page of the website. Also they will be able to download the detailed information about all the positions available from the same page (in .pdf form). The advertisements will be sorted according to the position available. Also if it is a faculty position, the positions will be further sorted into branches (e.g. Computer and Electrical engineering, Physics, French etc.).

To register, the users will have to provide their personal information. Using this information confirmation message will be sent to the user on his/her mobile. Upon confirmation the user will be able to view, fill and submit application forms. After submission of an application form, a download link will be created. This link will download a .pdf file, of the user’s application on the user’s system.

The users can login to view the status of their application. Also they can download (a .pdf file) any of the previous applications submitted by them for approval.

The users with ‘Faculty’ status can login to view all the submissions done for a post from their branch. They can also update the status of any application.

The web portal will provide functionality to manage the system and the advertisements. A ‘Faculty’ user as well as an ‘Admin’ user can login on the web portal, but both will have different level of privileges.

* 1. User Characteristics

There are three types of users that interact with the system: applicants, ‘Faculty’ members and administrators.

Applicants can only create an account, submit applications and view history and status of *only* their applications.

The ‘Faculty’ users will use both the website and the web-portal. On the website, faculty members will be able to keep track of the submissions (but only the ones for the post from their department). They will be able to update the status of any application and the applicant will be informed accordingly.

On the web-portal, ‘Faculty’ users will be able to add or delete the advertisements.

The admin can view all the submissions, but can’t change the status of the submissions. Also admin has the privileges of adding ‘Faculty’ users. No other registration option will be provided for ‘Faculty’ user status, other than the one available to the admin. The admin can also block user accounts or change password for the user accounts.

* 1. Constraints

The web application is constrained by the availability of the Internet as it can only be accessed through the World Wide Web.

Both the web-portal and the web-site will be constrained by the capacity of the data base.

* 1. Assumptions and Dependencies

One assumption is that the internet connection has speed above 32kb/s .

The web browser on the user system is assumed to support HTML5.