Initial Document Requirement

AIM: TO WRITE THE INITIAL REQUIREMENT DOCUMENT (IRD) FOR UNIVERSITY REGISTRATION PORTAL PROJECT.

Introduction

An IRD is a document which contains the consolidated list of requirements as compiled by the developers in response to the needs expressed by the users in the problem statement. The IRD is generated during a meeting where requirements are elicited. There are various methods for this including interviews, brainstorming, FAST, QFD and use case approach.

The IRD is the outcome of the elicitation process and the requirements listed are always functional.

Initial Document Requirement

Project:

> University Registration Portal

Stakeholders involved:

> College Academics Department, College Computer Center, Database admin, Currently enrolled students, Developers, College Administration.

Technique for gathering requirements:

> Brainstorming.

Version:

> 1.0

Date:

> 8th September 2017

Consolidated List of Requirements:

The following requirements were gathered after the brainstorming process

I. **Signing System:**
    A. All the new students need to be provided a mechanism to sign up for the portal by providing the appropriate information and setting a login and password.
    B. Once signed up the same login and password will be used for further logins.
    C. The signing system also provides the login facility to the admins and the database maintainers.

II. **Profile views:**
    A. Each user will be provided a profile that contains their details.
    B. The profile also allows the users to update information after signing up.

III. **Registration system:**
  A. The students will be provided with a system to register for he semester by selecting the required number of courses. This further has the following requirements:
    1. Allows students to view course details.
    2. Allows students to view professors of each course.
    3. Allows students to register by selecting the subject.
    4. Generates a confirmation document containing student details.

IV. **Administrative tools:**
  A. The college management will be provided with tools for administration of the process and the consequent report generation. The system is required to generate the following documents:
    1. A lists of all enrolled students in all courses.
    2. A department wise lists for subjects and the students in them.
    3. A section wise list for subjects.
  B. The system should also provide the ability to assign professors to courses.

V. **Maintenance tools:**
  A. These are various housekeeping tools for maintaining the data, these may include:
    1. Tools for updating data.
    2. Tools to update the tables.

Learnings

The IRD contains all possible functionalities required by the user mentioned explicitly and is written by the developer. After requirement analysis of the IRD, we prepare the Software Requirement Specification (SRS). The SRS is then the basis of designing stage of the project.