

Department of Computer Science and Engineering, NIT Durgapur

Online Profile Management System

SOFTWARE REQUIREMENT SPECIFICATION

Anirban Nag
Asmit De
Sayan Ghose
Tannishtha Som
Atanu Mandal
Reyaz Ahmed
Sayani Saha
Akash Roy Choudhury
Mithilesh Kumar
Saumik Barua

Table of Contents

Table of Contents
1. Introduction	1
1.1 Purpose	1
1.2 Project Scope	1
2. Overall Description	1
2.1 Product Features.....	1
2.2 User Classes and Characteristics.....	1
2.3 Operating Environment	1
3. External Interface Requirements.....	2
3.1 User Interfaces.....	2
3.2 Hardware Interfaces	2
3.3 Software Interfaces.....	2
4. System Features	2
4.1 Description.....	2
4.2 Functional Requirements.....	2
5. Other Nonfunctional Requirements	2
5.1 Performance Requirements.....	2
5.2 Security Requirements.....	2
5.3 Software Quality Attributes	2
6. Project Plan	3
6.1 Team Members.....	3
6.2 Areas of Responsibility.....	3
6.3 PERT Chart.....	4

1. Introduction

1.1 Purpose

The software described in this document is the Online Profile Management System website. This document seeks to provide the Software Requirements Specifications for the website. The purpose of this document is to record the requirements for the design and development of website. This document presents an initial description of the various functionalities and services provided by the software.

1.2 Project Scope

The software is designed as a web application that facilitates online management of student and faculty profiles for the Department of Computer Science and Engineering, National Institute of Technology, Durgapur.

2. Overall Description

2.1 Product Features

Major features of the website:

- Student Profiles
 - Basic information
 - Areas of Interest
- Faculty Profiles
 - Basic information
 - Availability status on campus
 - Courses Taught
 - Research Areas
 - Research Work/Publications
- Search Interface

Optional features that may be included:

- Student grades/transcripts
- Basic messaging service

2.2 User Classes and Characteristics

The application caters to two potential group of users:

1. External students seeking information about students and faculties and their respective research/interest areas.
2. Students/faculties of the CSE department seeking information about other students or faculties.

2.3 Operating Environment

The site runs on college servers.

3. External Interface Requirements

3.1 User Interfaces

The website should work and be tested against Mozilla Firefox and Google Chrome.

3.2 Hardware Interfaces

There are no special hardware interface requirements.

3.3 Software Interfaces

Software requirements of the system are very nominal and no other special requirement is there hence it is economically feasible. The website will be hosted on Apache web server and MySQL Database will be used for storing information.

4. System Feature

4.1 Description

The service allows users to sign up as student or faculty, and enter their profile details upon approval by the administrator. It provides a search facility of the profiles for both registered and non-registered users. It also provides information about courses taught by the faculty. Availability status of the faculty on campus is also provided on the respective faculty profiles.

4.2 Functional Requirements

Active internet connection is required.

5. Other Nonfunctional Requirements

5.1 Performance Requirements

The website should be hosted on a server that can provide adequate response time.

5.2 Security Requirements

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5.3 Software Quality Attributes

Web design conventions should be consistent with the current standards and conventions followed by W3C.

6. Project Plan

6.1 Team Members

- Anirban Nag (10/CSE/77)
- Asmit De (10/CSE/53)
- Sayan Ghose (10/CSE/41)
- Tannishtha Som (10/CSE/90)
- Atanu Mandal (10/CSE/79)
- Reyaz Ahmed (10/CSE/49)
- Sayani Saha (10/CSE/61)
- Akash Roy Choudhury (10/CSE/11)
- Mithilesh Kumar (10/CSE/59)
- Saumik Barua (10/CSE/51)

6.2 Areas of Responsibility

<i>Team Leader</i>	Anirban Nag
<i>Backend Development</i>	Asmit De Sayan Ghose Tannishtha Som Anirban Nag
<i>Database Development</i>	Atanu Mandal
<i>Frontend Development</i>	Reyaz Ahmed Sayani Saha
<i>Builds Testing</i>	Akash Roy Choudhury Mithilesh Kumar
<i>Integration Testing</i>	Asmit De Anirban Nag
<i>Documentation & Reports</i>	Saumik Barua Atanu Mandal