
Software Requirements Specification

for

NU BigEye

Version 1.0 approved

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Revision History

| Name | Date | Reason For Changes | Version |
|------|------|--------------------|---------|
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| | | | |

1. Introduction

1.1 Purpose

It is a website where each and everyone linked to NIIT University, whether a student, faculty or an alumni, can communicate with each other. Its purpose is to connect each and everyone in the University with the events and activities happening inside as well as outside the university.

1.2 Document Conventions

Arial is used as font type for the heading, sub heading and the rest. Size for heading, subheading and the paragraph is 18, 14 and 11 respectively.

1.3 Intended Audience and Reading Suggestions

Our target customers are the students, faculty and the staff members, and the alumni of NIIT University.

1.4 Product Scope

It is a discussion and the social news website. It includes news regarding the events inside the campus such as club activities, student activities, placement news and discussion forum for our customers.

1.5 References

<http://www.cse.msu.edu/~cse870/IEEEExplore-SRS-template.pdf>

<https://www.scribd.com/doc/50923129/SRS-FORMAT-WITH-IEEE-STANDARD>

www.letu.edu/people/jaytevis/.../writing-software-requirements-specifications.doc

2. Overall Description

2.1 Product Perspective

It focuses on segregating every information of events that are linked to NIIT University and present it on the website. This will keep its customers aware of what's happening around them and will help them to achieve their purpose.

2.2 Product Functions

It will have the following specifications:

1. *Student activities*
2. *Previous year question papers(online and offline)*
3. *Students achievements and guidance*
4. *Placement news*
5. *Alumni contact*
6. *Practice question papers and answers*
7. *Discussion forums*
8. *Feedback from seniors and faculty members*

2.3 User Classes and Characteristics

For the diagram, refer to Use case Diagram.png

| S.No. | Use Case | Use Case id |
|-------|---------------------|-------------|
| 1 | Sign up | UC1 |
| 2 | Edit profile | UC2 |
| 3 | Sign in | UC3 |
| 4 | Practice papers | UC4 |
| 5 | Question papers | UC5 |
| 6 | Aptitude test | UC6 |
| 7 | Events | UC7 |
| 8 | University festival | UC8 |
| 9 | Club activities | UC9 |
| 10 | Placement news | UC10 |
| 11 | Seminars | UC11 |
| 12 | Discussion forum | UC12 |
| 13 | Feedback | UC13 |
| 14 | Student | UC14 |
| 15 | Alumni | UC15 |
| 16 | Faculty | UC16 |
| 17 | Hall of fame | UC17 |
| 18 | Within campus | UC18 |
| 19 | Outside campus | UC19 |

2.4 Operating Environment

The language that we are going to use are php, python and nodejs.

2.5 Design and Implementation Constraints

It is possible that we may not get the brands to commercialize on our website as they may not approve for it. Moreover, we cannot keep a track on the updates on the event situation as many of the user and the members may not be in contact with the website at all times due to technical issues.

2.6 User Documentation

BigEye has an user friendly interface therefore, user documentation is not required.

2.7 Assumptions and Dependencies

We plan to promote the brands on our website by commercializing them on our website. These brands will be chosen up by us which appear to sponsor our fests. We aim at making the life on campus simple by provide each and every information related to NIIT University on this website.

3. External Interface Requirements

3.1 User Interfaces

Each and every information will be segregated according to its category which should be around four and no shortcut keys will be provided to the user.

3.2 Hardware Interfaces

This website will support any desktop, laptops or mobile phones which support internet services and could open browser.

3.3 Software Interfaces

Javascript and CSS will be used at the front end whereas nodejs, php and python will be used at the back end, as discussed earlier.

3.4 Communications Interfaces

User will input the command through his system which will be responded back to the user by the website. The data created between the interaction will be stored with the help of MySQL database.

4. System Features

*Our website has the following features:
It will provide all the information related to campus to the user.
Practice question papers and guidance window will also be available.
User can also view and participate in the club and seminar activities.*

4.1 System Feature 1: Information of events

4.1.1 Description and Priority

It is important as students should be aware of the ongoing activities as it will open the doors of opportunities for them. Rated as 8.

4.1.2 Stimulus/Response Sequences

Each and every action is interrelated as in order to view the events he needs to create a profile and then select the desired event.

4.1.3 Functional Requirements

User needs to login to the website. If he does not then he may not be able to respond to any activity. Neither he will be able to view the information.

4.2 System Feature 2: Practice Question papers

Previous year question papers as well as aptitude test papers will be provided to the user so that they could practice well for their upcoming university as well as placement exams.

Functional Requirements

| ID | SERVICE | CONSTRAINTS |
|-----|------------------|----------------|
| I1 | Sign up | Compulsory |
| I2 | Sign in | Compulsory |
| I3 | Edit profile | Compulsory |
| I4 | Discussion forum | Not Compulsory |
| I5 | Practice papers | Compulsory |
| I6 | Hall of fame | Not Compulsory |
| I7 | Students | Compulsory |
| I8 | Faculty | Compulsory |
| I9 | Alumni | Compulsory |
| I10 | Events | Compulsory |

5. Other Nonfunctional Requirements

5.1 Performance Requirements

This website will support every operating system such as windows, Linux, etc.

5.2 Safety Requirements

Ids will be assigned to the users along with the unique passwords. Moreover, another user can't change or edit someone's blog, only the admin has the right to change or remove if necessary.