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# **Software Requirements Specifications for NU-BigEye**

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**20 september 2016**

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## Revision History

Name	Date	Reason For Changes	Version

# 1. Introduction

## 1.1 Purpose

*The purpose of BigEye is to create a portal for the university where a student can find out anything and everything related to the ongoing of campus activities. It will act as a gateway between students and faculty. This portal will try to solve the issues faced by students in the university through the discussions and suggestions by the alumni and faculty.*

## 1.2 Document Conventions

The conventions that are being used in this SRS document are as follows:

For main heading, font is Arial and font size is 32. For sub-heading, font is Arial and the font size is 18. For paragraph, font is Arial and the font size is 12.

## 1.3 Intended Audience and Reading Suggestions

The target niche for BigEye will be the students, faculty and alumni of the University.

## 1.4 Product Scope

Our product is basically University based but we can extend it to some companies and for the corporate sector by doing some minimal changes to the product.

## 1.5 References

[ieeexplore.ieee.org/iel4/5841/15571/00720574.pdf](http://ieeexplore.ieee.org/iel4/5841/15571/00720574.pdf)

<https://redmine.studenti.famnit.upr.si/.../IEEE%20Standard%20SRS%20Template.doc>

[www.cse.msu.edu/~cse870/IEEEExplore-SRS-template.pdf](http://www.cse.msu.edu/~cse870/IEEEExplore-SRS-template.pdf)

# 2. Overall Description

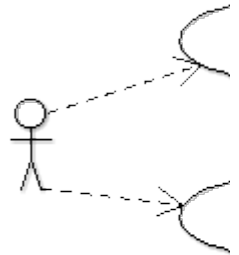
## 2.1 Product Perspective

*This product i.e. BigEye is an entirely new self-contained product. It will make the lives of students less chaotic as they will not have to wander over different sites for the information related to university. BigEye will contain all the possible information that is required by the students to help them deal with the problems related to exams, guidance and suggestions related to placements etc.*

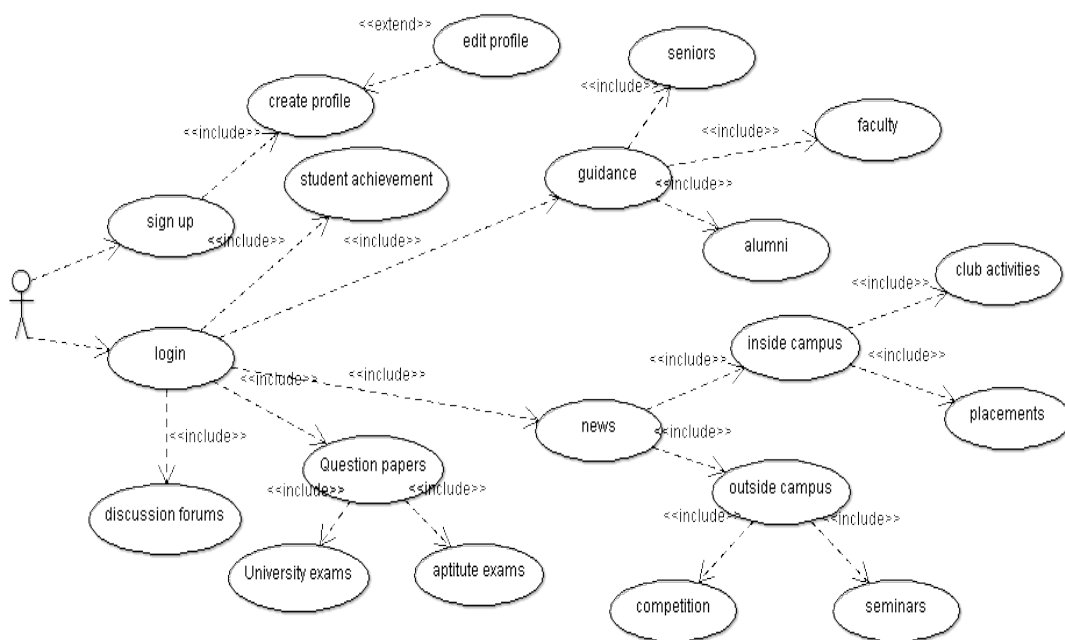
## 2.2 Product Functions

BigEye will basically include the following specifications in the website:

- Students achievements and guidance
- Previous year's question papers (Online and Offline)
- Student activities
- Information regarding competitions, seminars, workshops etc inside and outside the university
- Placement news
- Discussion forums
- Alumni contact
- Aptitude challenging practice questions and answers
- Suggestions by seniors and faculty to prepare for the placements in a better way.



## 2.3 User Classes and Characteristics



S.No	USE CASE	USE CASE ID
1.	Sign Up	UC1
2.	Login	UC2
3.	Create Profile	UC3
4.	Edit Profile	UC4
5.	Student Achievement	UC5
6.	Guidance	UC6
7.	Senior	UC7
8.	Faculty	UC8
9.	Alumni	UC9
10.	Discussion Forms	UC10
11.	Question Papers	UC11
12.	University Exams	UC12
13.	Aptitude Exams	UC13
14.	News	UC14
15.	Inside Campus	UC15
16.	Outside Campus	UC16
17.	Club Activities	UC17
18.	Placements	UC18
19.	Competition	UC19
20.	Seminars	UC20

## 2.4 Operating Environment

BigEye will be a cross operating system website as it will work on all operating systems. The platform that we are going to use are either PHP, Python or NodeJS.

## 2.5 Design and Implementation Constraints

*As our product is under process we really can't know about the Design and implementation constraints as far as we actually start working on the project.*

## 2.6 Assumptions and Dependencies

- *As we know that we are having several different websites for the ongoing of the university and the news or information related to our university. So, it becomes really annoying and chaotic at times to wander on different websites. Therefore, if we make such a portal so that every important information related to the university is given or provided to the students at a single place, it would really be helpful.*
- *During exams we can find lots of students asking their seniors for the previous year's question papers so, we are trying to provide solution to this also.*
- *Students in campus are really unaware of what industry actually expects from them and how to prepare ourselves for those expectations. Therefore, we are trying to connect the alumni with the students through this portal so that they can ask for their guidance directly.*

## 3. External Interface Requirement

### 3.1 User Interfaces

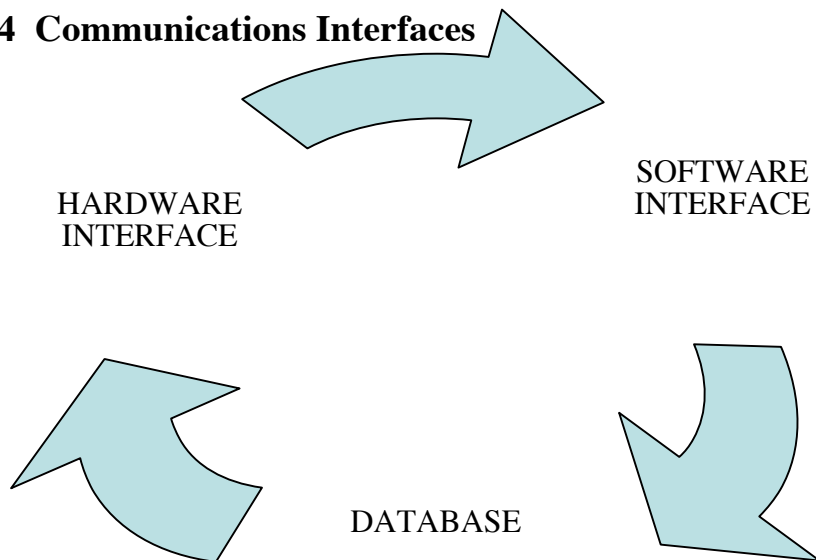
### 3.2 Hardware Interfaces

Our product is just a website that will be operated on PC or laptops. We are not making any app for BigEye. We don't need any kind of external database.

### 3.3 Software Interfaces

The language that we will be using for front-end development will be HTML, CSS-5 and javascript. And for back-end development we will be using either of PHp, python or NodeJS whereas for the database implementation we will be using MySQL.

### 3.4 Communications Interfaces



## 4. System Features

- It provides anything and everything required by and for the students of a college or university.
- Students get easy access to previous year question papers and aptitude papers for the better preparation unlike any other platform.
- Students can actually understand the expectations of the corporate world through interaction with the alumni.

- All the students can easily get updated about all the inside and outside campus competitions and seminars.

#### 4.1 Previous year question papers and aptitude papers:

This feature on BigEye will be of higher priority because we assume and are confident enough that students will use this feature more than anything.

We will try to make the system in such a manner that whenever the exam gets over, the faculty of the respected subject will upload the question papers which can be viewed later by everybody.

##### 4.1.3 Functional Requirements

ID	SERVICE	CONSTRAINTS
CI1	Login	Compulsory
CI2	Signup	Compulsory
CI3	Create Profile	Compulsory
CI4	Edit Profile	Not Compulsory
CI5	Student Achievement	Not Compulsory
CI6	Guidance	Compulsory
CI7	Senior	Not Compulsory
CI8	Faculty	Not Compulsory
CI9	Alumni	Not Compulsory
CI10	Discussion Forms	Compulsory
CI11	Question Papers	Compulsory
CI12	University Exams	Not Compulsory
CI14	Aptitude Exams	Not Compulsory
CI15	News	Compulsory
CI16	Outside Campus	Not Compulsory
CI17	Club Activities	Not Compulsory
CI18	Placements	Not Compulsory

CI19	Competitions	Not Compulsory
CI20	Seminars	Not Compulsory

## 5. Other Nonfunctional Requirements

### 5.1 Performance Requirements

We are trying to make a website BigEye that will perform equally good on all the platforms like Windows, iOS, Linux, Ubuntu.

### 5.2 Safety Requirements

There will be some safety measures taken so that nothing goes wrong with the website. There will be individual login and ids provided to the users.