Software Requirements Specification

for

Start-Up Initiative

Version 1.0 approved

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Revision History

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

# Introduction

## Purpose

The purpose of this portal are :

To make a platform which connects new/old startups with interested students in college, based on their skillset and experience they provide .Allow students to find a co-founder/interns for their startup or any help relating to their startup .Allow students to get important information regarding placements, interviews and eligibility criteria’s of different companies , this will be provided by placement cell.

## Document Conventions

JavaScript:

HTML5 , CSS5

Django:

<Describe any standards or typographical conventions that were followed when writing this SRS, such as fonts or highlighting that have special significance. For example, state whether priorities for higher-level requirements are assumed to be inherited by detailed requirements, or whether every requirement statement is to have its own priority.>

## Intended Audience and Reading Suggestions

The targeted audience is university, faculty, placement cell, students, budding enterpreneurs. There are no such reading suggestions for this document.

## Product Scope

This web-based software has 3 main features:

###### **To make a platform which connects new/old startups with interested students in college , based on their skills and experience they provided.**

Experience before btech from university is every company looking for nowadays , as they have to pay less this software will bridge the gap between many startups looking for skilled students and the students who are interested .

###### **Allow students to find a co-founder/interns for their startup or any help/employee relating to their startup.**

It is very difficult to find a cofounder who gels with u and that too is experienced . This software will help those enterpreunarial students to find their cofounder as well as interns foe their company.

1. ***Allow students to get important information regarding placements, interviews and eligibility criteria’s of different companies.:***

The major benefit is student aware of the companies eligibility criteria more early in his academic career, the types of questions asked and the minimum requirements for different companies that visit the campus, thus increasing the probability of a student getting a job immensely.

This idea is very much encouraged by Placement cell .

## References

No references

# Overall Description

## Product Perspective

3 major feature :

Compay recruitment criteria early in his carrer .

Student looking to conceive their startup

Student looking for co founders / interns for their startup .

## Product Function

|  |  |  |
| --- | --- | --- |
| Use Cases | Objects | Description |
| UC1 | Look for internship | Allows user to search from the list of live internships |
| UC2 | Update internship information | update the details of the internship |
| UC3 | Make or maintain profile | Create or edit profile details of the user |
| UC4 | check or review profiles | check profile details of users |
| UC5 | Select company | User may chose a company for details |
| UC6 | Manage database | Allows admin to manage the database |
| UC7 | get eligibility criteria | Allows user to get the eligibility criteria for jobs at listed companies |
| UC8 | Interview question | Allows user to browse interview question asked at different company interviews |
| UC9 | additional help | Allows user to ask for additional help |
|  |  |  |
| UC10 | make or maintain startup profile | startup owners can create mantain profiles of their firms wherein they can also view profiles of students |
| UC11 | maintain database | the administrator constantly needs to alter the information there in the database to keep it afloat. |
| UC12 | moderate forum | the administrator can check users for their inappropriate behaviour and penalize them accordingly. |
| UC13 | direct messaging | teachers and students can directly message each other regarding a doubt/problem. |
| UC14 | help in idea | a person willing to be a cofounder of an entrepreneurial startup, can now start interacting with his co immediately |
| UC15 | discussion forum | a common platform for sharing knowledge. |
| UC16 | invest | enables a willing investor to invest in a startup of his choice |

**Major Functions of the website:**

1. Authenticate and Login user to the website.
2. Enable new users to register to the Website.
3. Enable a registered user to change his password in case She/he forgets Hers/his password.
4. Enable a registered user to view his/her profile. Additional information viz. questions asked by him and answers posted by him are also displayed.
5. Enable a registered user to update his profile which includes her/his location, skills and profile picture.
6. Enable a user to view available internships
7. Enable a logged in add skills
8. Enable a logged in user to Add a Start-up profile.
9. Logout if his/her prfile is not being used for a considerable period of time
10. Users may have a shared account (co founders of a startup)

## User Classes and Characteristics

Three class of Users : 1) the student , 2) faculty and 3) administrator of the system

User must have internet connection , and admistrator must have technical management skills .

## Operating Environment

Google Chrome ,Mozilla Firefox ,IE opera mini and Tor or any other modern browser supporting HTML5 and Javascript.

## Design and Implementation Constraints

The website shall be based on Django framework as it is more flexible. Design of Database is still not finalized .

## User Documentation

No user documentation required.

## Assumptions and Dependencies

## Internet browser must support Java script ,html5 , css5

# External Interface Requirements

## User Interfaces

Each part will be made interactive and efficient for user and simple to understand. Software shall handle large number of users at atime without lagging.

## Hardware Interfaces

Any 32 bit or more OS ,512mb ram , pentium processor or better .

<Describe the logical and physical characteristics of each interface between the software product and the hardware components of the system. This may include the supported device types, the nature of the data and control interactions between the software and the hardware, and communication protocols to be used.>

## Software Interfaces

Front End: JS and CSS5

Back End: Django/Node.js

Database: Mongo DB

## Communications Interfaces

When any member will ask for any help or suggestion , an email will be sent to all the other members .

# System Features

# 

# *look for internships.*

# *May get good idea of companies/startups coming for recruitment . And good preparations for them .*

# *Peoples intrested towards owning startups will now have a platform to interact with those who can help , without mass mailing to enire university .*

# *This feature will help to the people who already have the startup functioning .*

***Feature 1 : a***

*Feature aims to extract knowledge from conventional internship providers for students as well as to have the flexibility of being accessed by the providers as well to choose and recruit students best fit for their job.*

*A similar flexibility is provided to the students as well , who may choose from a variety of employers , whum to work with.*

*Priority : High , It is being supported by placement cell .*

*Cost of development: Not so high*

*Risk : No such risk*

*Benefit : Very helpful*

*Penalty: not yet determined*

**Sequence of user actions:**

**Functional Requirements**:

internships platforma

choose from internships

confirm internship

* + 1. Java Development Environment
    2. Internet Browser(google crome , mozilla firefox etc which supports javascript , html , css)
    3. Operating System
    4. .net Framework
    5. CISCO PEAP module
    6. MS Visual Studio

***Feature 2: Placements platforma***

*Feature is going to be another very interesting component of our software package.This will primarily be dealing with campus placements and industry practices.*

*It includes three subfeatures :  
 1.) Aptitude question sets from best books as well as companies intrest point of view.*

* + 1. *Programing questions which could be good for preprations .(Taken advice from the faculty )*
    2. *Companies with there eligibility criteria , previous year questions , alumni etc*

**Sequence of user actions:**

placements

select company

eligibility criteria

questionnaire

advanced help and advice

***Feature 3: Startups platforma***

*This application will help the students who have their own startup or will have their startups :*

*The most intresting thing that has been incorporated in component is that it will allow student having their startups , to make/update a profile of their companies. Moreover, it wouldl also falicitates the owner to view the profiles of students interested in working as interns/employee in their startups.*

*This application will falicitate two type of user , who alredy owns a startup or who shall own in future:.*

* + 1. *The portal circulates the idea of he startup to al the members ..*
    2. *People who want to give views / input to make the idea better shall come forward and share it with the one who owns it .*
    3. *Portal also provides a discussion platform for negative and positive points of the startup , which will help make it better.*

***Entrepreneaureal Help:***

***This is going to help students interact with teachers , mentors and enterprenuers who can guide them with their experience*** *.*

Sequence of user actions:

Illustration 1: new startups here

entreaupreneaurship platforma

***Tabulated form :***

|  |  |  |
| --- | --- | --- |
| Identifier | Short name | Short description |

|  |  |  |
| --- | --- | --- |
| Student searching for an internship | Internship platform | Flicitates users to maintain their profiles that can be seen by startups,companies , for internships.  Falicitates users to select from different internships option as well. |
| Student searching for information  About certain company | Information platform | Falicitates the user , to look for a company they would like to work for and eligible of.  Content which would be included are practice tests , general interview questions, eligibility criteria,progems and their test cases, paycheck information, etc. |
| |  |  | | --- | --- | | Student looking to make their own startup. | Students  with an existing startup | | Entrepreneurship platform | This sytem aims to provide entrepreneurial help to people by allowing both forum interaction and personal interaction.  All Students , mentors , teachers can be a part of the system , in addition to people interested in co starting, or sponsoring the startup |

# Other Requirements

## Performance Requirements

This portal will be hosted on a server that could provide decent response time. college students give short attention time , therefore a weak server will not be good enough for the application. The present college (www.moodle.niituniversity.in) portal is a nice example of fast response time.

* 32-bit OS.
* Intel Dual Core processor
* Atleast 512 MB RAM

## Safety Requirements

No such safety requirement till now

## Security Requirements

Copyright of the portal will be with the developers of the portal and niit university.

The website will be encrypted to ensure security.