* 1. **Introduction**

The purpose of this project is to develop a system that can handle and manage the skillsets (resume) of UTA students on an android phone in an efficient and reliable way. This project provides various facilities to students, Professors and Employers (Recruiters) to post skillsets, post jobs, search jobs, get notifications etc.

* 1. **Scope**

The different areas where this project can be used is

1. Any student from UTA can search and apply for jobs related to their given skillset
2. Any Professor can post his/her research related jobs such as RAs/TAs etc. Also, Professors can refer students to Employers whenever a relevant job is posted
3. Any Employer can register, post jobs, search for candidates based on the given skillset and get notified from Professors about qualified students
4. Student details can be categorized based on experience, level of education, GPA and majors for Employers and Professors
   1. **Business Case**

**1.3.1 Problem statement**

A job portal helps candidates to search/apply for jobs and also helps the employers in finding a qualified candidate for the desired job. These job portals are limited to candidates who search for jobs in a particular domain but they might not be suited for that job. For immediate job requirements employers may not be able to find a right candidate for their job based on the given time frame. Even though most of the university Professors will be aware of well qualified students who can/will be a better match for a job, they cannot refer those students due to the limitation of these job portals. Continuing with the technology trend of making life easier and better, we are working towards developing an android application which provides various facilities to students, Professors and Employers (Recruiters) to post skillsets, post jobs, search jobs, get notifications etc.; in an efficient manner.

**1.3.2 Project Description**

The goal of this project is to improve on the limitations of the job portals for students, Professors and Employers for faster and effective access about the current jobs from anywhere through an android phone.

* + 1. **Solution Description**

The installation of this android application provides various facilities to the students, Employers and Professors such as:

1. Managing information related to students, Professors and Employers such as skillsets, profile, referrals, company details etc.
2. Notifying students and professors about a relevant job posted by any Employer such that the same can be viewed from anywhere on an android phone.
3. Sorting students based on the job profile posted by any Employer.

**1.3.4 Tools and Benefit Analysis**

**The various tools and technologies used in the implementation of this project are Eclipse IDE, Android SDK, GIT and Argo UML. The two major benefits of creating this application are**

1. Students can get notified on the go about any relevant jobs based on the job requirement by an Employer/Professor.

b. This application will get the Professors involved which help students and Employers in getting a desired job/candidate respectively.

c. Students can be benefitted to get job notification, about the jobs posted by Professors in the teaching and research areas.

* 1. **Major Features**

The project provides various facilities to employers, professors and students.

Facilities for the employers are

1. Employer can create a personal profile about the organization.
2. Employer has the authority to post jobs depending upon their organization’s requirement.
3. Employer has the functionality to search for qualified candidates having a particular skill set.
4. Employer can contact professors to refer students having the required skillset
5. Upon finding candidates having required skillset, employer can schedule an interview with the candidate.
6. Employer can notify a candidate about the interview results.
7. After recruiting candidates, Employer can delete the jobs from the system.

Facilities for the professors are

1. Professors can create a personal profile about their research and teaching.
2. Professors have the authority to post jobs depending upon their research’s requirement.
3. Professor has the functionality to search for qualified candidates having a particular skill set.
4. Professor can refer students having the required skillset desired by an employer.
5. Professors can invite employers to post jobs.
6. Professors can get job notifications as soon as job has been posted in the system.
7. Upon finding students having required skillset for jobs related to their research, professors can schedule an interview with the student.
8. Professor can publish the results of an interview for a particular job position.
9. After recruiting students, Professors can delete the jobs from the system.

Facilities for the student are

1. Students can create a personal profile about their skill sets.
2. Students can search and apply for jobs matching their skill sets.
3. Students get the notification when a job matching their skillset is posted in system.
4. Students get the notification when referred by professors.
5. Student can get the details about a particular organization or professor.
6. Students can also view the result of an interview they appeared for.
   1. **Major Tasks**

The major tasks of this project are

1. Creating and maintaining all types of user accounts and databases.
2. Maintaining a database of all jobs, skillsets, profiles, references, and interview details.
3. Send real time alerts about jobs, candidates, interview calls and results.
4. Implementing dynamic search facility for the employers to search for students based on the following categories,
   1. Majors
   2. Qualification
   3. GPA
5. Implementing dynamic search facility for the students to search for jobs matching their profile.
   1. **Member Responsibilities**
   2. **Scheduling Estimates**

We plan to implement the features of the project using a Unified Process Model. Early iterations would include the key and basic features. The following table gives an idea on the estimates of the project as it progresses.

|  |  |  |
| --- | --- | --- |
| Iteration | Functionality to document and implement | Approximate time |
| 1 | - getting hands-on on android(learning)  - 1.5 a | 2 Weeks |
| 2 | * 1.5 a (continued) * 1.5 b | 2 Weeks |
| 3 | * 1.5 b (continued) * 1.5 c | 2 Weeks |
| 4 | * 1.5 c (continued) * 1.5 d | 2 Weeks |
| 5 | * 1.5 d (continued) * 1.5 e | 2 Weeks |
| 6 | * 1.5 e (continued) | 2 Weeks |

* The above table describes the estimates and will get refined throughout the course of development. Features may be identified at a later stage and might be included as part of the implementation.
* Since the development would follow the UP process model, each iteration would capture the four phases of the model incrementally.