**TITLE :**

**Intelligent Tool for matching Job Description with resume**: Search most relevant resumes for given Job Description.

**ABSTRACT :**

This tool will facilitate the Recruiter or Organizations to process and manage thousands of resumes from job applicants. These resumes will be processed by our system semantically and syntactically irrespective of the format of resume file. Extracted information such as name, contact details, emails id's, qualification, experience, skill-sets etc. can be stored in a DB and then can be used to match a given Job description to find the desired candidate. The Recruiter can simply copy-paste a job description, this application uses an algorithm to thoroughly scan the Job description and it will identify the required skills. These skills will be matched against the resumes in our database. Only those resume which matches the requirement will be listed as a result of search. This tool even has a one-click “Auto Focus” functionality that automatically displays the list of resumes that match the best against the job description.

**SOLUTION APPROACH :**

Getting to the right candidate at right time could be a daunting task these days having a lot of talent around the world. However with an intelligent approach things could be fast tracked.

We are developing a portal with 2 tabs that will facilitate us with uploading the profiles on one tab and searching for the right profile based on JD on the other. When resume is uploaded the necessary details will be captured and stored in profile data repository.

Second interface allows recruiter to provide job description which will be parsed into list of required skills based on which the application fetches all matching profiles from data repository.

Technologies: For the development of this tool we have planned to use Java 1.8, Spring 3.9.2, Tomcat 1.8.54, Javascript, Jquery, Angular, HTML5, Hibernate, RDBMS Database.

Our software enabling features:

1. Desired profiles are just a click away.

2. No manual searching required

**BUSINESS IMPACT :**

Organization will get following benefits :

1. It will save the manual time of Recruiter to identify skills based on Job Description.
2. It will provide single source to upload all the resume in database.
3. It provides high visibility to relevant resume.

**DESIGN AND ARCHITECTURE :**

