International institute of information technology, Bhubaneswar

PROJECT ABSTRACT

Name of the Project : **Database of companies for placement process**

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**Introduction :**

There are many jobs across the country with the economy getting better and MNCs exploring the nation. Why, then, would someone need placement guidance? The process of recruitment seems simple enough – study, graduate, apply, and get a job. Well, truth be told, it is much more difficult than this. There are plenty of jobs, of course, but there is also stringent competition to match the availability. Plus, many people lose out on jobs even though they are qualified because they do not have knowledge about how the system actually works.

A collective placement database of companies will meet all these requirements. In our project we are going to create a vast database of different companies, their address, their domains of interest etc. Using this console-based database application one can easily fetch various details in an organised way.

**Structure:**

The project is mainly based on the generation of data of companies and retrieving them in an efficient and ordered way so that any institution or student can get benefited directly without visiting over websites to websites for details. It is a collective database of location, their job offerings, previous recruitments in other institutions, their pay scale (minimum pay, average pay, highest pay), positions offered, desired skill set or domains of recruitment. In this project we are also going to provide some sorting tools that can generate filtered results based on chosen domain, area or stream. By this tool institution can also infer data about companies like their location, contact number etc. Specifically in this project we are going to introduce a “Placement Analyser” tool that will analyse a particular domain for a particular company and it will also provide rating of difficulty level of their tests. This rating of difficulty will be developed, based on their questions patterns, student selection ratio and their status comparative to other companies. Also our Placement Analyser tool will be able to generate number of opportunities increasing or decreasing per year for last few years. By this data one can easily find that which domain has maximum opportunity to get employed.

For the purpose of maintaining databases we use CSV (comma-separated-values) files as our back-ends. CSV files provide an efficient way to store and retrieve data in comparison to other available file formats.

There are following tools we have supposed to provide in this project:

1. Company Query: This tool will be capable of generating a complete list of companies, their location and address for chosen domain. Using this tool one can explore all details of companies efficiently using the console-based user interface.
2. Placement Analyser : Powerful sorting and filtering tool. This tool will provide several parameters on the basis of which one can find desired result easily. This tool can also be used compare companies based on their difficulty ratings.
3. File system management : This will be administrator tool for updating, editing , and managing database.
4. Previous recruitment tool: Exclusive tool for viewing previous recruitment details of company.

Apart from these menu options we will also provide an FAQ and help page for new users which will guide them to handle console-based application.

**Importance & Further Possibilities:**

As IT sector is growing day by day people are more dependent on websites, app, application software etc. PlacementFMS (console-based placement information database) will certainly fulfil an important need. This database application can be used by either by institutions to design their curriculum or train the students or by students for exploring variety of domains of employment.

This project can further be extended as web application managed on efficient database management tools like MySQL, MongoDB etc.

**Thank You**

**Screenshots :**















