**Project Proposal (Job Portal Searching Website)**

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| 1,100+ College Recruitment Illustrations, Royalty-Free Vector Graphics &  Clip Art - iStock | College students, Career fair, College fair  job Search portal | **subject:**  Software Construction & Development (SCD Lab)  **Group members:**  AIMAN NAJEEB (057)  Fizza nasir (066)  **Submitted to:**  Mr. waqas ahmed  **SEmester:** bsse-5b |

**Introduction/Background:**

In today's dynamic and competitive job market, the quest for meaningful employment opportunities has become an essential aspect of countless lives. As industries evolve, the job landscape continuously transforms, making it increasingly challenging for both job seekers and employers to connect efficiently. Recognizing this pressing need, we are developing a Job Searching Portal. We intend to bridge the gap between job seekers and employers, simplifying the job search process for all.

**Problem Statement:**

The system will help the candidates to find their jobs online and likewise help recruiters to find appropriate candidates. The Job Searching Portal will streamline the job search process by offering personalized job recommendations, and simplified application processes.

**Purpose/Objective:**

The primary purpose of the Job Searching Portal is twofold:

* Empower Job Seekers
* Support Employers

**Features/Functional Requirements:**

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| FR 01 | * User authentication  1. Users shall be able to register with a valid email address and password. |
| FR 02 | * User profiles  1. Users (job seekers) shall have profiles with personal information, including name, contact details, and location. 2. Users shall be able to edit their profiles and update their information. |
| FR 03 | * Employee authentication  1. Employers shall have the ability to register and log in to their accounts. |
| FR 04 | * Job posting  1. Employers shall be able to post job listings by providing job details, such as title, description, location, salary, and application deadline. 2. Employers shall have the ability to edit and delete their job listings. 3. Employers shall be able to specify job requirements and qualifications. 4. Job postings shall include a publication date. |
| FR 05 | * Job search  1. Job seekers shall be able to search for jobs using keywords, location, industry, and other filters. 2. The system shall provide a list of job listings matching the search criteria. |
| FR 06 | * Job details  1. Users shall be able to view detailed information about a job listing, including job description, requirements, and application instructions. |
| FR 07 | * Job alert notifications  1. The system shall send alert notifications to job seekers when new job listings matching their alert criteria are posted. |

**Options and Recommendations (Potential and Recommended Solution to Problem):**

The job search portal project seeks to create an efficient and user-friendly platform for job seekers to find relevant job listings.

* Option 1: Standard Job Listing Platform
* Option 2: Machine Learning-Powered Recommendations

***Recommended Solution: Option 1***

The job search portal project aims to create an effective platform for job seekers and employers. Challenges include ensuring data accuracy, user trust, and scalability

* Option 1: Traditional SQL Database
* Option 2: NoSQL Database

***Recommended Solution: Option 1***

**Schedule Estimate (Estimated Completion time of project):**

3-4 months

**Potential Risks and Mitigation Plan (Uncertainty and Plan B’s):**

**Risk:** Loss of user data due to technical failures or accidental deletions.

**Mitigation:** Regularly back up user data.

**Risk:** Midterms and final exams may disrupt the project schedule, leading to delays in project tasks.

**Mitigation:** Plan the project timeline with midterms and finals in mind.

**Risk:** Changes in project requirements may occur during the course of the semester, potentially impacting project scope and timeline.

**Mitigation:** When a requirement change is proposed, conduct a thorough impact analysis.

**Benchmarking:**

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| Project | Posting Job | Job Notification | Job Search | Job Details |
| Job Search Portal | Yes | Yes | Yes | Yes |
| LinkedIn | Yes | No | Yes | Yes |
| Jobs.pk | Yes | No | Yes | Yes |
| Indeed | Yes | No | Yes | No |
| Rozee.pk | Yes | Yes | Yes | No |