LITERATURE SURVEY ON NATIONAL WEB PORTAL FOR JOB ORIENTED COURSES

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Article Info	Abstract:
	The main process of our project is to reduce the gap between the educational sector and Industry job requirements. Many students have degree but still they are getting struggle to get a job due to lack of Practical and skill-based knowledge. To solve that problem we develop the web portal this will get developed by using HTML, CSS, javascript for the frontend and PHP for the backend and My SQL for database. Here the students can Explore and improve their Employability. Trainers and institute can manage courses according to current market demands and also the students can explore the courses to improve the Employability. *Keywords:* Job acquisition, E-Learning web portal, skill-based courses, QR Code Traceability

1. INTRODUCTION

There is now a gap between academic education and employment needs due to the quick changes in industry skill requirements. Traditional job portals only show job openings; they don't help users learn or acquire the skills needed for those positions. Several researchers have suggested recommendation-based solutions, skill management systems, and intelligent job portals as ways to get around this restriction. The need for a comprehensive platform that links education, skills, and employment at the national level is not entirely met by these systems, even though they do improve some aspects of Employability. It is evident from comparing these studies that a course-focused portal at the national level is necessary. An efficient and scalable national web portal for job-oriented courses is built on the knowledge gathered from earlier research. However, students find it challenging to find appropriate options because information about these courses is dispersed across numerous websites and institutions. To plan, suggest, and oversee career-focused courses in response to industry demand, A centralize national platform is needed.

2. LITERATURE REVIEW

2.1 JOB ACQUISITION IN WEB PORTAL

Job acquisition may get differ from the methods among the review studies. The first study will Get improve the job acquisition by automating the job data extraction and applying intelligence matching techniques. The second study supports job acquisition indirectly by ensuring that students acquire

relevant skills through Certification based learning. The third study may enhance the job acquisition for students and un employees and also this Web portal may also help the users to get the suitable job opportunities using data driven models. This web portal may provide the clear guidance to select the job -oriented courses as a preparatory Step towards the employment.

2.2 ROLE OF JOB PORTAL

Job portals play an important role in reducing unemployment by connecting job seekers with employers. Intelligent job portals save time and reduce manual searching. Skill portals help students understand what skills are required in the industry. Recommendation systems make it easier for users to choose suitable job options. Even though these systems are useful, they do not provide structured learning paths through job-oriented courses, which is a major drawback. According to Moore et al. (2011), online job and learning platforms reduce search time and improve accessibility compared to traditional methods. Intelligent job portals with recommendation systems further enhance user experience by suggesting relevant opportunities. However, most existing portals lack integrated learning pathways that guide users in acquiring the necessary skills for specific job roles.

2.3 CORE FEATURES OF JOB PORTAL

Job portal is an online platform that brings job seekers and employers together in one place. It usually provides options like searching for jobs, creating a profile, uploading a resume, and tracking the status of applications users can narrow down job search results by applying filters such as location, required skills, years of experience, and expected salary, which makes the whole process quicker and more convenient. On the other side, employers can post job openings, review candidate profiles, and handle their hiring process through a single system. .More advanced job portals also use intelligent features like personalized job recommendations, automatic skill matching, and timely alerts or notifications to keep users engaged and help improve their chances of finding suitable employment.

3. CONTEXT

Nowadays Online job portals have become central in modern recruitment and employment systems. These are the interfaces between the job seekers like employment opportunities and the employers that support large-scale job searching and recruitment processes. Many of the portals nowadays try to make the process in easier way like applying the jobs and discovering the jobs by creating, searching and filtering the job lists and applying through online in the easier way. According to research, the job searching systems are increase with high level and they become un employability with applying the jobs in easier way and reduce time, cost for recruiters and job seekers and ensure higher engagement compared to traditional methods of job seeking. In other way research studies can indicates that using online job portals can lead to better employment results. Job seekers who use these portals often find jobs more quickly and get better matching opportunities, which may result in improved salary with getting high salary for future. However, the use of job portals differs among different user groups. Experienced job seekers and people living in urban areas to use online job portals more frequently, while fresh graduates and people from rural areas use them less. This shows that the effectiveness and adoption of online job portals are not the same for all users.

3.1 USERS GROUP OFPORTAL

Job portals are used by a wide variety of users, each having different needs and methods of interaction. The usual users are:

1. Job Seekers: Individuals seeking job opportunities who use the portal to search, filter, and apply for jobs matching their qualifications and preferences.

2. Employers / Recruiters: Those organizations or employers that post job vacancies and look out for candidate profiles for hiring suitable talent.

3. Administrators: portal managers in charge of user account maintenance, job posting verification, and security/data integrity. Research studies show that portals affect user groups differently: employers increase jobs exposure and efficiency, while recruiters get more candidates and tools for automatic candidate screening.

However, perceptions vary based on user experience, search functionality, and trust in data accuracy. Security and usability remain recurring issues among different user groups, which emphasizes the importance of creating portals with a good balance of functionality and ease of use.

3.2 IMPLEMENTATION OF JOB PORTAL

The implementation of an effective job portal involves several designs and technical project has many parts. Recent project studies emphasize modular system with making the system easier to develop, manage, and update. design, which is normally a multi-tier architecture with the front-end interfaces for user interaction and back-end systems for data processing and storage. Common features include user registration, secure authentication, job posting and filtering modules, resume upload and applicant tracking, and real-time application status updates. Job portals can be built using different technical frameworks. Some use modern technologies like Mongo DB, React, and Node.js, while others use traditional server-side systems. No matter the technology used, security is very important. Safe communication through APIs, proper user roles, and a responsive user interface help make the portal reliable and easy to use. Many job portals also include advanced features such as smart job matching features and automatic notifications. These features help users find their suitable jobs faster and make the system more efficient. In real-world applications, developers mainly focus on making the portal easy to use, capable of handling many users at the same time, and secure. This ensures good performance and a smooth experience for all users.

3.3 OBJECTIVE OF COURSES

In a national web portal for job-oriented courses, the system does more than just help people find jobs. It also helps users improve their skills. Instead of only showing job openings, the portal connects job seekers with useful courses that can help them become ready for jobs. These courses are suggested based on what skills companies currently need, to develop their job opportunities so learners and users can improve in the right areas and reduce skill gaps and unemployable The main goals of job-oriented courses in the portal are to help people become more employable, support them in moving easily from learning to getting a job, and allow them to upgrade their skills according to new technologies and job roles. Even though there is limited direct research on course objectives in job portals, studies on online education platforms show that combining learning resources with job systems helps users make better

career decisions and increases their satisfaction, especially when the courses match job market needs. The main aim of job-oriented courses in the portal is to help users get better jobs. These courses focus on teaching skills that are actually needed by companies. This improves a person's high chances of getting hired in the company another objective is to help learners move easily from education to employment. By providing placement support and job links, the portal helps users apply what they have learned and find suitable jobs without difficulty. Even though there is limited direct research on course objectives in job portals, studies on online learning platforms show that adding training materials and clear learning outcomes helps users make better career choices.

3.4 CHALLENGES OF WEB PORTAL

There are several common Challenges in job portals with both Technical and operational:

1. **Data Accuracy and Trust:** One of the main problems is keeping the job information correct and up to-date. If a job posting is old or fake, users may waste time applying for it. This can make people lose trust in the portal, and they may stop using it. Therefore, it is very important to check all the job listings regularly and remove expired or incorrect information.

2. **Security and Privacy:** Job portals collect sensitive information, like personal details, resumes, and contact numbers. If this data is not protected, it can be stolen or misused. To prevent this, the portal needs strong security measures, such as encryption, secure login, and proper authentication, so that users feel safe while using it.

3. **Scalability:** A popular job portal may have thousands of users online at the same time. It should be able to handle many users and large amounts of data without slowing down or crashing. If the portal becomes slow, users may get frustrated and leave. Therefore, designing the system to handle growth in users and jobs is very important.

4. **Matching Accuracy:** Another challenge is making sure that job seekers get relevant results. If the portal shows jobs that do not match a person's skills or interests, it wastes time and reduces user satisfaction. Good filtering and matching systems are needed to show jobs that fit the candidate well and help employers find the right talent.

5. **Adoption Barriers:** Not everyone uses online job portals. For example, fresh graduates, people in rural areas, or those not comfortable with technology may not use the portal.
This creates unequal access to job opportunities. To solve this, portals need to be simple to use and provide support for different types of users with the job-oriented courses for unemployable users with accessing the courses to use and gain knowledge.

4. BLOCK DIAGRAM
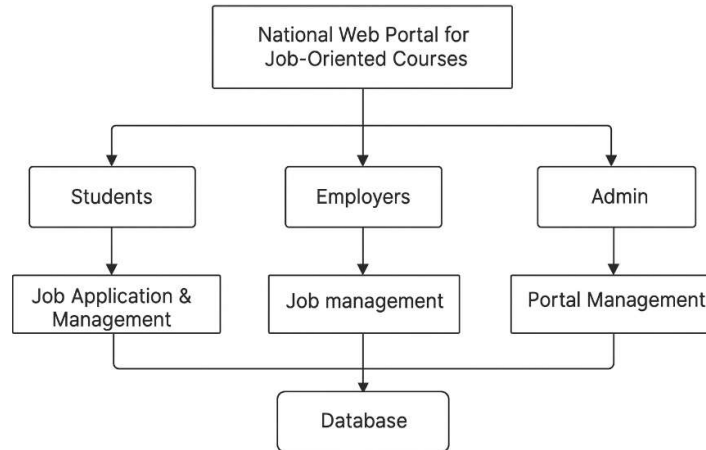
The proposed system consists of users accessing the portal through a web interface, a backend server handling authentication, course and job management modules, and a database storing user profiles, course details, and job information. The system enables interaction between learners, institutions, and employers in a centralized manner.

5. CONCLUSION

National web portal for 186 Oriented courses is a training and they institute and worked are continued together to found a digital platform. For working and skills to develop in the job oriented. It is used to identify easily in education sector the main objective of this is used to reduce the gap between the Education and Industries. In this competitive Society the job is based on Their Skills Education regulation, working and Industries are announcement and industries are working together to find the job easily. This is safe and Security for Secure login, Role-based access and Responsive design and it is also ensuring Security Totally the National web portal for job oriented is used in the online the network platform. In future by using AI the job matching Information and future working Industry, Education related used to deal with Real-time Analytics. By adding this the worker and the Staff used to develop in their sector.

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