

E-FORSA JOB PROBING MOBILE APPLICATION FOR COLLEGES OF TECHNOLOGY IN OMAN

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Abstract— In this competitive era, the unemployment of Omani citizen is a critical issue which is to be addressed and solved. Oman has a substantial number of colleges and universities. The graduates from these institutions are pursuing for better jobs in the industry. The number of educated people is increasing rapidly whereas equal amount of job opportunities not easily available. As result to cope up with the current situation the graduates should attain OJT, which can certainly help the graduates to improve their performance at workplace to a great extent. Training supports to minimize the boundary of errors at workplace, hence abridging on the period of time consumed in completing the work. This research proposes to analyze the bridges in the existing applications and to develop an efficient application that can overcome all the hitches. This project further purports to inquire into the training opportunities to improve their skills and experience in their field based on the CoT job seekers specialization. It

can also guide them to search the available jobs according to their choice and specialization.

Keywords: CoT (Colleges of Technology), Unemployment, On the Job Training (OJT), Job seeker, and Opportunities

I. INTRODUCTION

The graduates from different institutions are facing a lot of challenges to find suitable jobs. Normally when the graduate wants to apply for a job, they search the newspapers, register themselves with job site portals and so on. Many employers not yet register themselves with these portals to provide full details of the employment but instead post key details on their own website only.

This project will effectively address the threats in the already available job searching portals, thereby facilitating the graduates to search for OJT availability in different organizations. Also, it enhances the person to

search for their job opportunities based on their specialization. This application proposes to connect to the registered employer's job opportunities in their company, to get job alert to the registered users. Moreover, they can obtain job notification from other organizations too.

This application has an added advantage whereby the job seekers will be notified the job vacancies based on their specialization. This proposed application has been designed to acquire the data of all the graduates and alumni from different CoTs in Oman. This research design proposes a qualitative and quantitative approach.

The primary data collection will be done with some focused groups. Questionnaires will be distributed to the graduates and alumni of CoTs for the quantitative analysis. The qualitative analysis will be experimented on various organizations in Oman. Furthermore, interviews will be conducted with the aforesaid administration to get information regarding the training opportunities and the job openings.

II. LITERATURE REVIEW

The most profound influence of unemployment is that it hurts the economy. Proper governance of unemployment considerably impact the joblessness rate in the country.

The Higher Education Academy Engineering Subject Centre (2011) studied "Employability has been defined as a set of achievements skills, understandings and personal attributes – that make graduates more likely to gain employment and be successful in their chosen occupations."

Integration of Job Portals by Mets-search – J.Dorn and T. Naz says "Unemployment is not only a serious problem of developing nations but also a problem of developed nations."

When we do Smart design it would increase the benefits. Structural reforms are important to refining the long-term capacity of economies to produce through both more rigorous use of resources and higher productivity, but their full impact will take time to develop [1].

A variety of challenges are deliberated. One of the major challenges is high rate of unemployment among young first time workers. This shows a problem with matching to jobs at young ages, in part because of the mismatch between the skills of labor market entrants and the needs of employers, especially in the private sector [4].

Like other areas of research, the unemployment, turnover, and job search literatures have paid some, but insufficient, attention to examining how contextual influences may affect job seeker self-regulation and behavior. First, the negative consequences of unemployment on well-being have been explained through a variety of models that are contextual in nature [5].

The literature obviously mentions that unemployment must be considered with utmost attention. To prevail over the unemployment rate in Oman, an effective approach should be there to analyze the training opportunities and job probing facility according to the choice and specialization of the graduates.

III. BACKGROUND OF THE PROJECT

In our research the first step is a quantitative analysis. This purpose collecting data from selected alumni, after the analysis of the data incorporating the suggestions and developing our application.

Our study is providing a mobile application to register and apply for job and OJT in different organizations. Also get notification for all new updates regarding the job vacancies and OJT in different organizations according to the specialization of the registered user. The registered user can upload their CV in the application.

IV. AIMS AND OBJECTIVES OF THE STUDY

This project examines the existing applications for job searching and proposes an efficient application for the graduates and alumni in CoTs. The importance of the project is to help the graduates and alumni to search for jobs and training opportunities. Also make the process very easy and submit their applications through the application. They will receive notifications about the opportunities according to their field of specialization. The application will support the

candidate to communicate easily with the employer.

The following are the specific objectives of the study:

- To find out the hindrances of existing applications.
- To provide the best application to the CoT alumni and graduates to get information about OJT opportunities.
- To provide an application that facilitates the participants to search jobs from different organizations in Oman.
- To develop an efficient approach to get notifications about the opportunities.
- To give information regarding training workshops specialized in your field of specialization.

V. RESEARCH METHODOLOGY

To achieve the specified objectives, this research concentrated on both qualitative and quantitative research design. Mixed research approach permits the researcher to collect, analyze and integrate quantitative and qualitative data. This method provides better understanding of the research problem than either of each alone.

The crucial data for the research will be collected from the graduates & alumni of CoTs in Oman, different organizations in Oman and Ministry of Manpower open data. Quantitative methods will be used to collect data using organized questionnaires to graduates and alumni in CoTs. Qualitative methods will be used to conduct interviews with different organization's administrative department to understand the opportunities.

A primary abstract model derived from the data using the questionnaires and the interviews. The initial conceptual model will be revised and later it will be validated using cluster sampling techniques in ICT graduates and alumni.

VI. ACADEMIC, SCIENTIFIC AND INNOVATION SIGNIFICANCE

The project is intended to report the current hitches in the Job Searching portals, hence, develop and implement a competent mobile application in order to benefit the CoT's graduates and alumni. This research emphasis on benefits the graduates to search for OJT or jobs in Oman, thus reduce the unemployment rate in the country. The result of this research will be useful for the citizens in Oman.

VII. CONCLUSION

This research will benefit Oman as it focused on reducing the unemployment rate in the country. The graduates & alumni of CoTs will get opportunity to do OJT in different organizations, hence to increase the confidence level of the participant. Also, search jobs from Ministry of Manpower open data and different organizations in Oman. The utmost enhanced benefit is to get notifications about the opportunities according to the specialization of the participant.

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