

Universiti Teknologi MARA

JOB OPTIMIZATION SYSTEM

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ABSTRACT

Job Optimization System is an application that gives suggestion to the user of the suitable jobs based on the examination result. Previously, fresh graduate is lack of knowledge about choosing the job even though they have good examination result. The objective of this system is to apply, develop, and test the functionality of job optimization system using Case-Based Reasoning (CBR) method. This system will conduct the Case-Based Reasoning (CBR) to generate the new cases for suitable users based on examination result. Therefore, fresh graduate can get suggestion jobs. It focuses on graduates who undertake the Bachelor of Computer Science (Hons) in Faculty of Computer Science and Mathematics (FSKM) UiTM Shah Alam. The user will enter the examination result and the grade obtained for each courses. This system will compare the user's result with the cases that had been stored in knowledgebase. If the user's examination results match to the cases in knowledgebase, the suitable job will be suggested. This system is to propose jobs related to the Computer Science field such as programmer which is based on the graduate's ability in examination. This system will list all possible jobs that are suitable with the examination result of graduates, and the optimized jobs will be displayed based on the priority of the index that will be calculated.

Keywords: Case-Based Reasoning, Optimization, Job in Computer Science Field, and Job Optimization System.