DESIGN AND IMPLEMENTATION OF COURSE SCHEDULING USING GENETIC ALGORITHM

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Abstract

Course scheduling is an attempt to schedule a number of courses which consist components such as subjects, teachers, classrooms, and time with a certain amount of constraint. Course scheduling should consider scheduling rules and constraints that have been previously determined. The existing schedule can be changed by giving some consideration to help the user. The updated schedule placed on the desktop and any strategic places in purpose course schedule publication.

Finally, this application is aiming to utilize the Genetics algorithm in course scheduling. This application is a web-based application that can be accessed in local area network only.

Based on the results testing, the utilization of Genetics algorithm very helpful in course scheduling.

Keyword: Web Application, Genetic Algorithm