ABSTRACT

Thesis imetabling is a combinatorial problem with the terms - the terms of which are not specified in both time and space clashes between students, whether the examiner in accordance with the final title of expertise, the supervisor should not be tested, faculty load in the final test is less likely to elect more.

In this thesis timetabling optimization using Genetic Algorithms Final which is an algorithm that is inspired by the theory of evolution proposed by Charles Darwin. Problems faced by the people will be represented or chromosomes. The individual will evolve (no recombination and mutation process) towards the optimal solution.

Genetic algorithm is an appropriate algorithm to solve combinatorial optimization problems that are or for more complex cases because of its flexibility and efficiency. And Genetic Algorithm was also deemed appropriate to resolve the final assembly scheduling problem with a relatively fast and precise.

Key Word :Final trial scheduling, Genetic Algorithms, chromosomes, evolution