ABSTRACT

SCHEDULING APPLICATION TO DETERMINE MENTORING COURSES AND INSTITUTIONS IN THE TOEFLTEST EDUCATION WITH ENGLISH Telstar GENETIC ALGORITHM

by

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Telstar is an English language educational institution founded byDjoko Setiadi. Currently in the making tutoring schedule is still using Microsoft Office Excel. Determine the schedule of teaching and learning is a tricky thing. Just as experienced by an English language educational institution Telstar, who has a problem, especially in determining the schedule of guidance and Toefl Test Prediction frequent crashes.

Genetic algorithms are computational approaches to solving problems that are modeled with the approach of evolutionary biology such as inheritance, mutation, natural selection andrecombination (or crossover). Genetic algorithms applied especially as computer simulations where a population of abstract representations (called chromosomes) of candidate solutions(called individuals) in optimization problem will develop intosolutions that better. he data will be processed in this application is tutor , room, level, and scheduling results. This aplication will gives information about, namely, guidance of schedule , room, tutor , and levels.

Based on the analysis and testing has been done it can be concluded that the application scheduling with genetic algorithm method is helpful in managing the scheduling of the Telstar is accelerating the process of establishing the schedule, the addition of data, and preparing reports. These applications have been built to be used as material for further system development

Keywords: Genetic Algorithms, Scheduling, Tutoring,Chromosome, Mutations