ABSTRACT

Scheduling system in a college course, still be an interesting issue and is still widely studied by many people. It is intended to obtain the optimum results desired and scheduling system for courses, especially at universities that have a lot of students, faculty and courses.

Aspects that affect the preparation of the course allows so many possibilities that it's worth a try to find the best scheduling. By therefore we need a method of optimization that can be applied to work on scheduling courses, one method that can be used to solve these problems is to use a database relational, this metode making relation of all data from the database to solve the problems.

Algorithm do matching attribute shift with attribute room on the database. Algorithm make schedule depend of rules that have been made before. Algorithm just can make shcedule not fixing recent schedule.

There is 2 type of constrain, Mayor constrain and minor constrain, mayor constrain is constrain that cant brake the rule, and minor constrain is constrain that can brake the rule if needed.

The result of this shcedule processing is all major constraints consisting of crashing lecture, room and available day for lecture to teach reached 100%, while minor constraint consisting of capacity, faculty and space of same courses didn't reach 100% because theres main priority 100% for major constraint.

Keyword : MySQL, Javascript, Web, Penjadwalan, Database, Php