ABSTRACT

To design an automated examination schedule generating system for Tezpur University.

In Tezpur University course registration is based on cafeteria system. A student can register any elective subject, offered to him may be from his department or from any other department.No separate examination is conducted to clear a backlog course. There are some constraints like all CBCT(course based credit transfer) courses have to schedule examination on same session. And some courses are taken by different programs (eg. B.tech,M.tech,MCA) and have different course codes are also have to schedule on same session. So, the preparation of examination schedule needs a long human effort. Also exams have to finish in minimum number of days as far as possible, without conflicting different courses of different departments. So, there is a need of an automated system that will help in suggesting some feasible examination schedules by analyzing the course registration information, and some laid down constraints.

Since the problem belong to NP-hard class, there are number of approach like graph coloring, genetic algorithms etc. but in this project work, the schedule preparation is planned to solve through a very naive approach, the use of a matrix. A big matrix called registration matrix is use and each row indicate courses registered by student. By processing registration matrix, programs are written to propose the feasible examination schedule.

Submitted by: **Signature of Guide:**

LalitPradhan(CSM12021)   Dr. BhabeshNath

MCA 6th semester   Associate Professor

Tezpur University