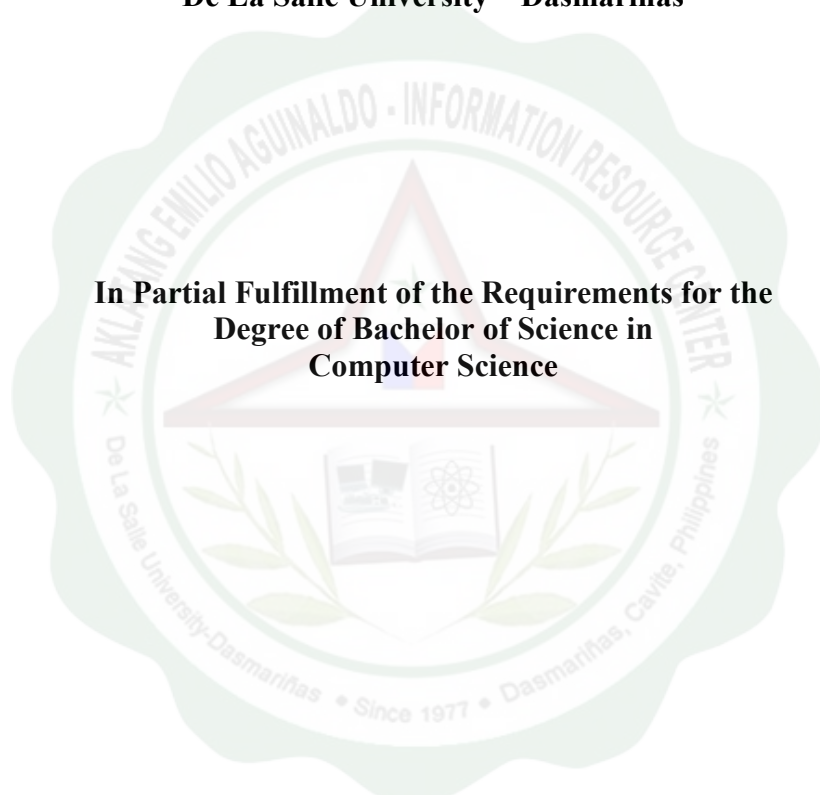


**Course Scheduling with Faculty Loading System for
College of Science of
De La Salle University – Dasmariñas**

**An Undergraduate Research Proposal Presented to
The Computer Studies Department
College of Science
De La Salle University – Dasmariñas**

**In Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in
Computer Science**



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Abstract

Course scheduling and faculty loading system is the assigning of classes and professors to a timeslot, room and section. It is done manually in the De La Salle University - Dasmariñas which is time consuming and prone to having more conflicts. Although the conflicts are resolved, a lot of time and resources were used. Finding the optimal or the best schedule will be impossible or will take too much time because of the constraints to be fulfilled such as the room, the university break, the partner days and the number of students. Problem arises when the students and professors needed to change their room assignment or their timeslot.

The goal of this study is to reduce the time in creating schedules, finding the optimal solution or the best schedule possible and to minimize the use of resources such as the rooms. The Course Scheduling and Faculty Loading System for the College of Science of De La Salle University - Dasmariñas follow the guidelines and the process of the Office of the University Registrar in creating schedules and in faculty loading. Genetic Algorithm was used to find the optimal solution.



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