

# **A PROTOTYPE OF LECTURER COURSE ALLOCATION SYSTEM**

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# **A PROTOTYPE OF LECTURER COURSE ALLOCATION SYSTEM**

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## **ABSTRACT**

This project is an implementation of a lecturer course allocation system (LECAS) which enables every lecturer can register courses by online as well as can view course schedule. The goal of is prototype is to provide the course schedules that would allow lectures to register courses that they plan to teach for the coming semester in the fast and possible ways. The objective of LECAS is to provide lecturers to get a convenient and efficient way during registering the courses. There are four users that can access the system such as; admin, lecturers, coordinator, and head department, each of them have different privileges in which they can access through internet and a web browser anytime and anywhere. Furthermore, this prototype has been developed by using java Servlet page (JSP) with MySQL for database. This prototype was developed based on the proposed requirement of system and was evaluated by using perceived usefulness and ease of use where the respondents are from University Utara Malaysia (UUM) lecturers. The feedbacks from 30 respondents about the system prototype are quite good which are showed with 5.46 grand mean for perceived usefulness factor and 5.37 grand mean for perceived ease of use factor with the scale of 7. Therefore, it can be concluded that the prototype is useful and easy to use. This prototype is expected to facilitate the other university to develop and enhance the system for lecturer registration time.

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# **CHAPTER ONE**

## **INTRODUCTION**

### **1.0 Introduction**

The recent developments in the information and communication technology integrated into the higher education institutions as many universities are using lecture course allocation through software. The educational institutions are using these software's to provide effective and hinder free education to the students with the reduction in the administrative staff work. The lecture course allocation system reduces clashes during the preparation of schedule for lecture. The complexities are available in the development of allocation of the lecture course due to various constraints. In case of lecture course allocation the students may have the clashes with other subjects in terms of time and seating capacity. The manual allocation methods used by universities are simple but they do not facilitate the students and lecturer in terms of their choice. The improper allocation will result less motivation to the students for learning the courses (Fujimoto T. & Matsuo T., 2004).

The university academic programs have core and elective subjects. The core subjects are mandatory to be taken by students and elective subjects are taken to meet required credits for completion of program. The both core and elective subjects are important in the university.

Commonly the lecture allocation procedure in the universities is having constraints like number of resources, number of class rooms, number of students and etc. The university administrations make specific rules based on the constraints for the lecturer

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