

# TO APPLY KNOWLEDGE BASED SYSTEM CONCEPTS FOR DEVELOPING A TIME TABLE SCHEDULING APPLICATION

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## ABSTRACT

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Knowledge-based system (KBS) is one of the applications in Artificial Intelligence. It builds up from the knowledge gathered from facts, human being opinions, ideas, etc. Other components that build up KBS are inference engine, user interface and justification.

By learning KBS, the author has intended to apply the knowledge learnt into a development of an application. The application chosen by the author related to scheduling timetable and data manipulation for INTI College Malaysia. The purpose of developing this system is to allow the user to have ease in manipulate the data or schedule timetable and schedule the timetable for the entire college in short period. Besides that, the user can schedule timetable in shortest time or minimum man power cost.

This project covers the study of Knowledge-Based System, analyzing the fact finding gathered and the designing of the system. The author will also cover on the development of the system based on the designing. The development of the system is to produce the prototype system.

In development of this system, the author requires to study and select programming languages used among many types of programming languages. The selection of programming languages should be done properly so that the project can be developing in better and functional way.

This report is intended to provide detail of information regarding the project names "To Apply Knowledge Based System Concepts for Developing a Time Table Scheduling Application". In this report, the progress of the system development will be discussed in detail. Investigations are carried out to determine the problem and solutions of the current manual system as well as identifying the best suitable methods on applying the solutions.