

COURSE TIME TABLE SCHEDULING FOR A LOCAL COLLEGE

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Abstract

This study dive into the field of course time table scheduling for a local institution. The subject of the study will be a local college in Malaysia, in particular on the SEGi College branch in Penang. This covers the development of the prototype software which will enable the simulation of the course time table for both the students and lecturers. The prototype software will be on a local search approach with reference to Hill Climbing with Random Walk algorithm and Best First Search algorithm. This research enables users to increase efficiency and performance in developing a course time table. Later, this research will be proposed for implementation to the management of SEGi College branch in Penang.

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With God's grace it will be.

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Chapter 1

STATEMENT OF OBJECTIVE

1.0 Problem Background

SEGi College Penang had since opens its doors for business since 1980s. Today, it offers a wide range of diploma, degree, post graduate and professional courses in the fields of business, accounting, marketing, human resource, early childhood education, mass communication, mobile computing, computing, hotel management and tourism. This college occupies a seven storey city campus building located at the heart of Georgetown, the capital of the island state as shown on figure 1.1. [15]

Another building currently occupied by SEGi College in Penang is the SEGi Training Centre. In 1999 it was located at Beach Street, Penang but expanded its business into the mainland and now located in Bukit Mertajam, Penang, as shown on figure 1.2. SEGi College Penang obtained approval to conduct trainings as approved by the Malaysian Government under Jabatan Pembangunan Kemahiran (known as Majlis Latihan Vokasional Kebangsaan – MLVK), Kementerian Sumber Manusia. The department known as SEGi Training Centre Penang that conducts trainings on these programmes. In light of the current economic situation, the SEGi College Penang management are consolidating its resources in 2009 and now is moving the SEGi Training Centre

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