



**School of Computing**

**Faculty of Engineering**

**UNIVERSITI TEKNOLOGI MALAYSIA**

**SUBJECT NAME:** COMPUTER ORGANIZATION AND ARCHITECTURE

**SUBJECT CODE:** SCSR/SECR 2033

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**PROJECT TITLE:** Benchmarking Project: CPU & Hardware Performance

**STUDENT INFO :**

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**COMMENTS:**

## **1.0 INTRODUCTION**

Benchmarking is an essential procedure to measure the quality and the performance of the products manufactured by each company. Then, the evaluation obtained will reflect the level of the products. In our project, the main target of our benchmarking is focusing on different model of personal computers. The benchmarking software are needed to test the performance of the personal computers especially in terms of CPU and hardware performance.

## **2.0 OBJECTIVES**

1. To compare the CPU and hardware performance of different PCs using benchmarking software
2. To compare the CPU and hardware performance of PC obtained from different benchmarking software.

## **3.0 PURPOSE OF PROJECT**

The purpose of this project is to identify which personal computer is most suitable for learning purposes. For your information, students nowadays were having the trouble to choose the most suitable personal computer for the usage of study. Besides, they must be precise that the laptop obtained should be maintain for long time due to the limited budget for the students. Therefore, in this project, with the comparison from different benchmarking software plus the price factor, students are easier to identify the most valuable personal computers for their studies.

## 4.0 SCOPE

In our project, the scope of our group would be the personal computers which are categorized under RM3000. For your information, RM3000 is the suitable estimated price required for students to choose their own laptops. In other words, the market nowadays has provided a lot of high-performance personal computers which required less than RM3000. Therefore, this scope also meets the requirements of the students to buy their best personal computer with reasonable price.

## 5.0 METHODOLOGY

