**Mini Project SCSJ1023 - Programming Technique II**

In a group (max 5 students), you are required to collaboratively construct a system that implements OOP technology (C++).

Your system should consist of at least 5 OOP concepts (it can be more). The mandatory concepts: 1. Class and Object Manipulation and Advanced File operation. 2. At least 2 in class relationship such as inheritance and aggregation

**Delivery of project:**

1. Presentation.

Each group will be given 15 minutes to present their work using power point slide that includes: • The description of the project • The UML class diagram • The techniques used: show it in the program • Running the program: show the input and output of the system

2. Written report. The presentation will take place on 23th May 2018 (Wednesday).

The written report should comprise: • The group names and the tasks of each member in group. • Description of the project. • Class diagrams. • Source code that highlight the concept used. • User manual – give sample input/ output (if any) for each task and/or the system.

Submit the softcopy (all the source files, class diagram and the presentation) via elearning, and the hardcopy (printed and binded). Submit the softcopy and hardcopy of your mini project before the presentation day 23th May 2018 (Wednesday). Each student (member of group) MUST create at least one module (or one of main function of your system) and that module/function MUST consist of at least TWO classes.

Examples of topic for mini project as shown below: • Stationary Shop System • Book Shop System • Umrah Agency System • Postal System (Pos Laju and Pos Ekspress) • Catering System • Rental Car System