

# **Software Engineering**

## **Laboratory Projects**

# 1. «Software Requirements Specification»

## Minimum requirement of contents:

- Introduction (2 points);
- User Scenarios(8 points); Data Flow Diagram (7 points); State Diagrams(5 points); Class Diagrams(5 points) and CRC Cards (5 points);
- Validation Criteria (15 points).

## Concerned points:

- The accuracy of the validation criteria: full marks can be obtained if more than 90% of the functions are covered. The acceptance testing of the subsystem version 1.0 will strictly go by the criteria.
- The language and style of the document must be uniformed (3 points).

**Grading:** The full mark = 50 points × number of participants

## **Bonus:**

Please read sufficient references to understand the modeling methods for non-functional requirements. Develop analysis models for performance and reliability requirements of your project system.