

# BACS2033 Software Requirements Engineering

## Tutorial 2

### Chapter 2

1. Discuss why knowledge acquisition is a difficult process.
2. Explain **Scenarios** artefact-driven requirement elicitation technique. Discuss the pros and cons.
3. Assume that you are going to adopt Knowledge Reuse requirements elicitation technique for an upcoming project to develop a library system. With the aid of a diagram and example, discuss **Reuse of Domain-Independent Knowledge** technique.
4. Assume that you have been assigned to lead a project team of 15 software engineers to develop an Online Hotel Room Reservation System for STAR Hotel. This is the first time your team ventures into this area. The management of the hotel wanted the new system to be ready in 6 months. Furthermore, after the initial requirements gathering exercise, you found that the top management of the client was very supportive to the upcoming project. However, the lower management and staff were not cooperative and showed resistance to the new system.
  - a) Explain **TWO (2)** criteria you would use for stakeholder analysis.
  - b) State and explain **THREE (3)** stakeholders for the above mentioned system.
  - c) Suggest and explain **FOUR (4)** requirements elicitation techniques that your team would adopt for the project. Justify your suggestions. You may state any relevant assumptions to support your answer.
5. As a senior software engineer, discuss **FIVE (5)** guidelines for an effective interview to your juniors.
6. Differentiate *Active observation* from *Passive observation*.
7. With the aid of a diagram, discuss the activities involved in Requirements Elicitation Process.