

## BT 413: ICT PROJECT MANAGEMENT ASSIGNMENT TWO

### Instructions

- ✓ The assignment is restricted to be written and submitted as a group assignment for the Final Year Project Group with at most Seven pages including a cover page.
- ✓ Avoid copying and pasting from the internet, and come up with a unique written report.
- ✓ **Submission Date: 03/01/2025, Office number: CB 09**

### Task

You are a project manager for a large real estate company, a project aimed at building a new house for a client. The project has a tight deadline, a set budget (1 Billion), and high expectations for quality. The project is expected to span 2 years and includes a mix of inter and external resources. You are tasked with overseeing all aspects of the project's cost, procurement, quality, and risk management processes.

- i. Provide a neat, quality, and well-detailed **project plan report** that addresses all the areas outlined below.
- ii. Use appropriate **project management tools and techniques** (such as cost estimation techniques, procurement strategies, cost & quality control tools, and risk identification and risk response plans).

### Assignment Focus Areas

- a) Given the budget of 1 Billion for the project, outline the steps you would take to create a **detailed project cost management plan**. Include:
  - i. How would you estimate costs for the various components (e.g., cheap labor, materials..)?
  - ii. Describe the methods you would use for cost control throughout the project.
  - iii. How would you manage cost variances if the project exceeds the planned budget?
- b) The project requires procurement of materials and specialized services. Explain how you would develop a procurement management plan for this project. Include:
  - i. How would you select suppliers and contractors?
  - ii. What criteria would you use for evaluating potential vendors?
  - iii. Describe the procurement processes for materials and specialized services, from contract creation to contract closure.
- c) Project Quality Management, describe how you would ensure the project meets these expectations, addressing the following:
  - i. What steps would you take in quality planning for the project?
  - ii. What methods or tools would you use to monitor and control quality during construction?
  - iii. How would you handle quality failures if they occur, ensuring the project still meets client expectations?
- d) Project Risk Management, develop a risk management plan for the project. Your plan should include:
  - i. How would you identify and assess the risks specific to this project?
  - ii. What strategies would you implement to mitigate the identified risks?
  - iii. If a major risk occurs during the project (e.g., a subcontractor fails to meet deadlines), how would you handle the situation to minimize its impact on cost, schedule, and quality?