Research Proposal

STQP6014

Due date: 22/6/2025

Dear Students,

As part of the course, you are required to prepare and submit a **comprehensive research proposal**, which includes both a **written document** and a **presentation**. This assignment is designed to develop your ability to plan research systematically and communicate it effectively in both written and verbal formats.

Research Proposal Report (30%)

1. Choose a **specific, relevant, and researchable** topic within the field of data science and analytics. Ensure that the research problem addresses a knowledge gap or practical issue that can be realistically explored.
2. The proposal should include the following sections:
    i. Title Page:
       Title, name, matric number
    ii. Introduction/Background of the study:
        Introduce the topic, explain the relevance and significance of the research
    iii. Problem Statement:
        Define the specific research problem or gap of study
    iv. Research Objectives:
        State 2-3 research objectives of the study
    v. Literature Review:
       Summarize relevant literature leading to the research gap
    vi. Methodology:
        Outline research design, data collection and analysis methods
    vii. Timeline: Propose a Gantt chart
    viii. References: List 10-15 references
3. Please submit your research proposal in UKMFolio.

Research Proposal Presentation (25%) – Tentative Date: 5/7/2025

The research proposal presentation consists of a 15-minute oral presentation and a 5-minute Q&A session (Total: 20 minutes/student). Please stay within the time limit.