



**DEPARTMENT OF INFORMATION & COMMUNICATION TECHNOLOGY**

**PROBLEM BASED TASK 1 | SESSION 1 2024/2025**

**DFP40203 – PYTHON PROGRAMMING**

**CLO2:** Demonstrate effective communication and writing among team members in the process of developing Python application (A3, PLO4)

**INSTRUCTIONS:**

- Read and understand the given scenario. Based on the scenario, students are required to discuss with group members in order to develop a suitable Python application. Students have to present the developed application.
- Discussions should be done in groups of 3 persons.
- Submit application program and code documentation in CIDOS .
- Students will be assessed according to the Rubric included along with the questions.

**DURATIONS:**

- 6 Hours

**QUESTION:**

In your group, discuss and solve the scenario below based on the given requirement.

A Clinic located in Permatang Pauh opens registration for patients at the end of each year. The required registration information includes:

- Name, birth date, age, gender, address, and emergency contact number.
- Medical history, current medications, and preferred doctor.

As a programmer, your task is to develop a Python application to streamline the registration process for the clinic. The application must:

- Utilize Python's function concept.
- Create a directory structure for the clinic, containing:
  - A main Python file and module files.
  - Two text files (one for general patients and one for special care patients) to store registration data.
- Include exception-handling functions (at least two) to manage program errors.