

# Introduction to Medical Equipment

## Task 02

### Infusion/Syringe Pump

*(9th of March, 2025)*

**Statement:** You are required to **design** a device; its main function is to supply a liquid drug to a patient. You should **implement the hardware** of the whole system. The implemented device should **control** the parameter of the **flow rate**, or the **volume** for the liquid drug. You should also **sense the output-controlled parameter**. You should **display on LCD** both of the pre-adjusted parameter value and the sensed value which should be almost equal. Moreover, you should implement **at least one alarm** in your hardware.

**Deadline:** Thursday, 20th of March 2025

**Policy:** Group Task

**Submission:** In Class Submission

#### Evaluation Criteria:

Item	Grade
Full functionality of the Task	40%
Design	30%
Questions	30%