



FACULTY OF MECHANICAL ENGINEERING
SEMM 1921 – INTRODUCTION TO MECHANICAL ENGINEERING
SEMESTER 1, 2025/2026

ASSIGNMENT 1 (10%)

Dateline: 14/11/2025 11:59pm

Current Issues in Mechanical Engineering

Instructions:

Answer only ONE of the followings by conducting a review, followed by writing a technical report.

- a) How can the implementation of **Fourth Industrial Revolution (IR4.0)** solve issues in the industry?
- b) How can engineering support to meet the **Sustainable Development Goals (SDG)**?
- c) In what ways can engineering play a role in the **COVID-19 pandemic**?

The technical report should not exceed five pages, containing the following sections:

Section	Details
Front page	Must include the name of the subject, title of report, name, student number and date.
Abstract (max. 150 words)	A summary of the whole report including important features and conclusions.
Introduction	States the aim, objectives and background of the topic.
The sections which make up the body of the report	Divided into numbered and headed sections. These sections separate the different main ideas of the discussion in a logical order.
Conclusions	A short, logical summing up of the topic in the main text.
References	Details of published sources of material referred to or quoted in the text (including URL addresses of any websites used).