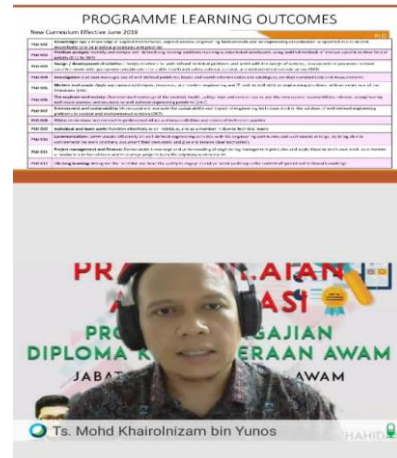


AKTIVITI DIPLOMA KEJURUTERAAN AWAM (DKA) – Sesi 1 2021/2022

BIL	GAMBAR AKTIVITI/ PROGRAM
1.	<p style="text-align: center;">LAWATAN PENILAIAN PANEL PENILAI LUAR BAGI AUDIT “THE ENGINEERING TECHNOLOGY ACCREDITATION COUNCIL” (ETAC)</p> <p style="text-align: center;">Tarikh: 5 & 6 Ogos 2021 (Khamis & Jumaat) Masa: 8.00 pagi – 5.00 petang</p>

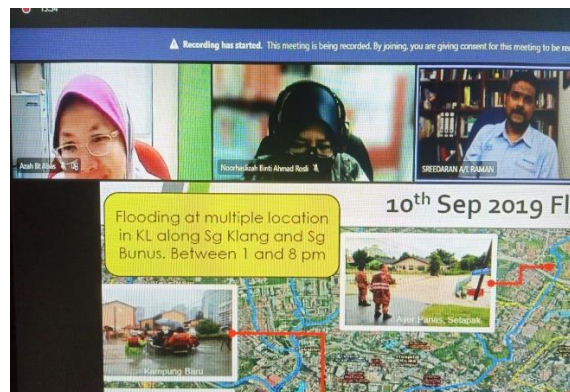
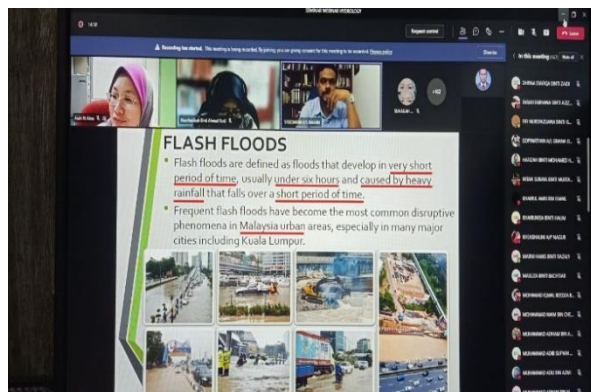
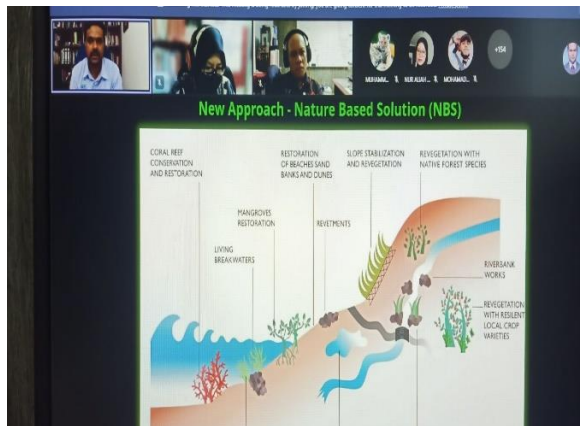


2.

**PENSYARAH PELAWAT INDUSTRI (PPI):
“WEBINAR PENGURUSAN DAN PENYELENGGARAAN INFRASTRUKTUR SISTEM SALIRAN
SERTA PENGURUSAN BANJIR KILAT DI KAWASAN BANDAR”**

Tarikh: 13 Oktober 2021 (Rabu)

Masa: 8.00 pagi – 5.00 petang



3.

PENSYARAH PELAWAT INDUSTRI (PPI): “KURSUS PENGENALAN REKABENTUK STRUKTUR BERTETULANG DAN KELULI”

Tarikh: 6 Oktober 2021 (Rabu)
Masa: 8.00 pagi – 5.00 petang

LEARNING OUTCOMES

1. To understand the procedure and process of the structural design.
2. To prepare the structural layout/key plan.
3. To understand the process of the structural analysis and design by using engineering software.
4. To explore the use of TEKLA, TEDDS and STAAD Pro software.

PROCESS & SCOPES OF STRUCTURAL DESIGN

1. Reading Architectural Drawings
2. Preliminary Layout Planning
3. Structural Analysis & Design
4. Preparation of Structural Drawings
5. Structural Drawings & Detailing

PROPOSED PRELIMINARY STRUCTURE PLAN (PROJECT 2)

Proposed Preliminary Structure Frame for Ground Floor & Roof Plan

3D structural model of a building frame.

ANALYSIS OF ACTIONS

Type of actions that must be considered:

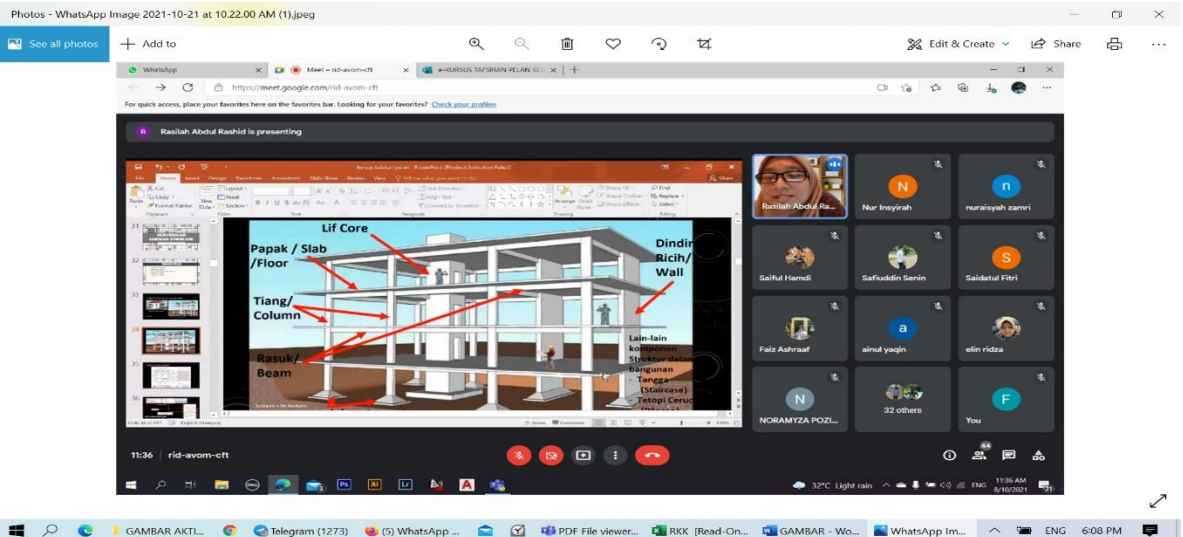
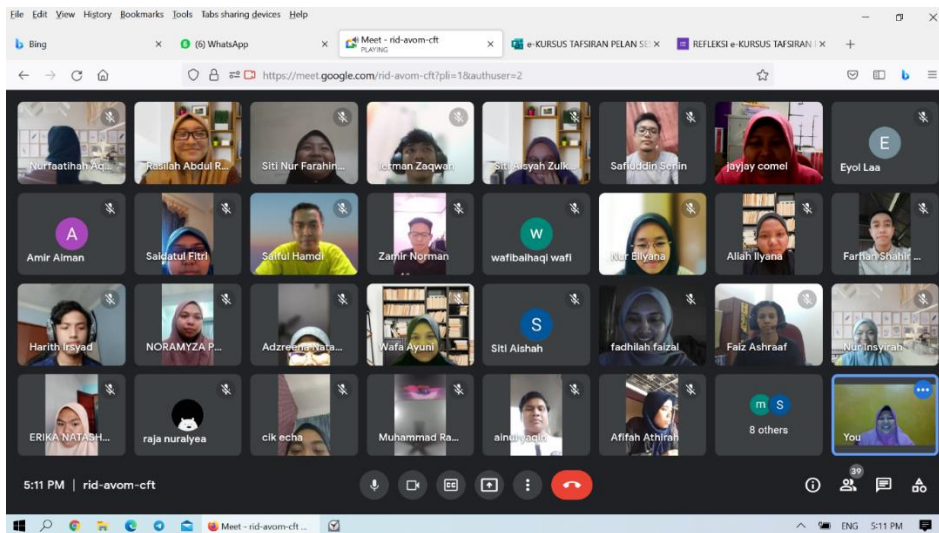
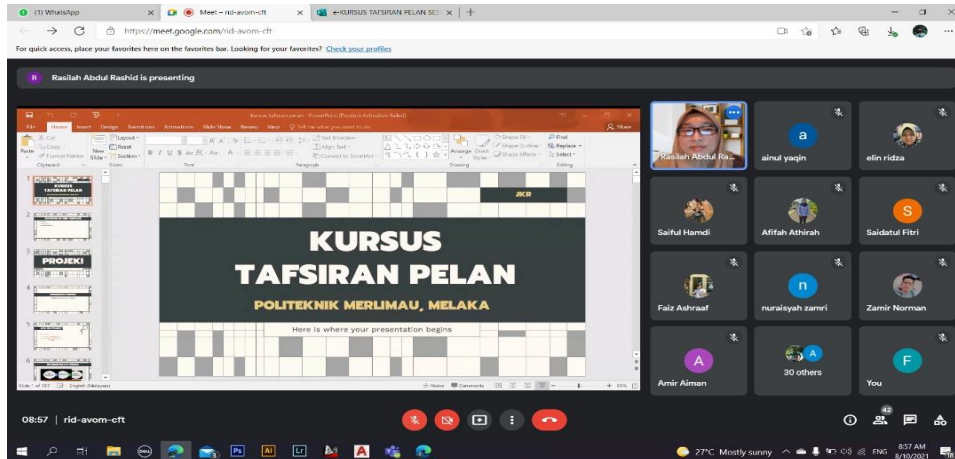
Slab	✓ Permanent action: (i) Selfweight of slab, (ii) Finishes and services, and (iii) Ceiling ✓ Variable action (depend on function of floor)
Beam	✓ Permanent action: (i) Distribution from slab, (ii) Selfweight of beam, and (iii) Brickwall ✓ Variable action from slab
Column	✓ Permanent action: (i) Distribution from beam, and (ii) Selfweight of column ✓ Variable action from beam
Foundation	✓ Permanent action: (i) Distribution from columns, and (ii) Selfweight of footing ✓ Variable action from column

3D structural model of a building frame.

4.

PENSYARAH PELAWAT INDUSTRI (PPI): “e-Kursus Tafsiran Pelan”

Tarikh: 8 Oktober 2021 (Jumaat)
Masa: 8.00 pagi – 5.00 petang

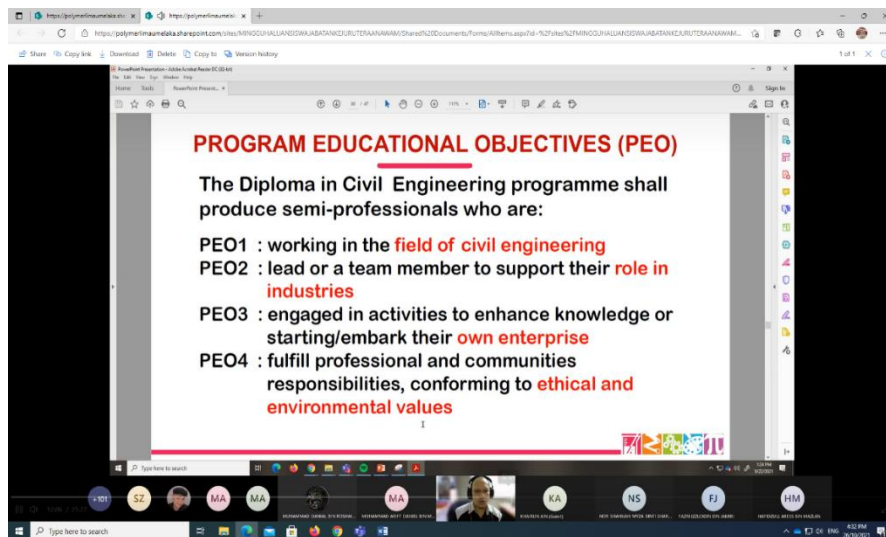
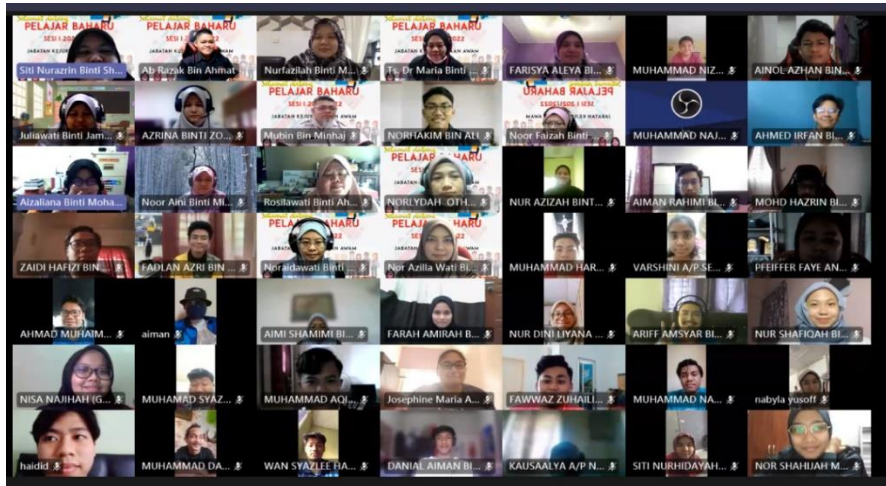


5.

**TAKLIMAT OBE DAN INTERPRETASI KURIKULUM JABATAN KEJURUTERAAN AWAM
UNTUK PELAJAR SEM 1 SESI 1: 2021/2022**

Tarikh: 22 September 2021 (Rabu)

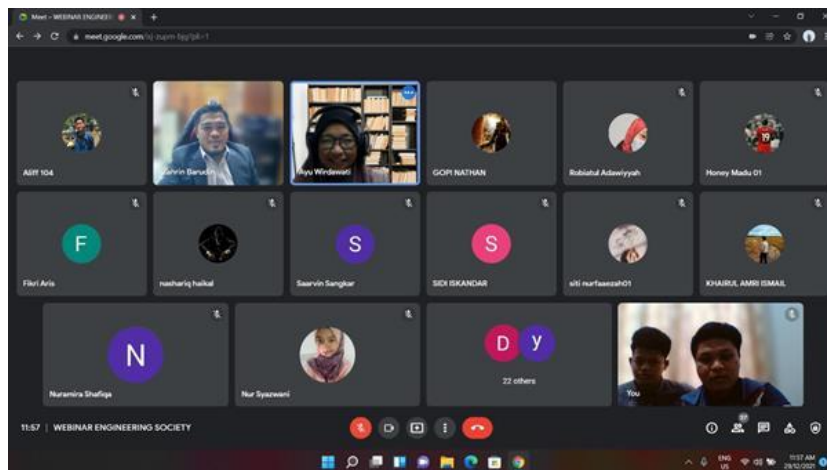
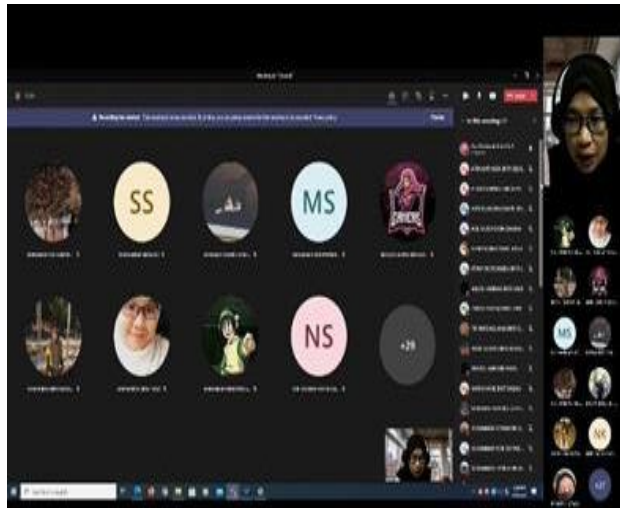
Masa: 11.30 pagi – 1.00 petang



6.

WEBINAR KURSUS DCC50232 ENGINEERING SOCIETY: ETHICS AND PROFESSIONALISM, TECHNOLOGY & COMMUNICATION DEVELOPMENT IN CIVIL ENGINEERING

**Tarikh: 29/12/2021 (Rabu)
Masa: 9.00 pagi – 12.00 tengahari**



An infographic divided into four quadrants. Top-left: "REVOLUSI INDUSTRI" with a sub-section "Revolusi Industri" showing four stages: Pertama, Kedua, Ketiga, Keempat. Top-right: "REVOLUSI INDUSTRI 4.0" with a quote: "Secara tuntasnya, Revolusi Industri Keempat ialah automasi berterusan dalam sektor pembuatan dan perindustrian tradisional, menggunakan teknologi pintar yang moden." Bottom-left: "REVOLUSI INDUSTRI 4.0" with a central diagram showing "Industry 4.0" connected to various technologies like AI, Cloud, and Big Data. Bottom-right: "KEPENTINGAN DALAM KEJURUTERAAN AWAM" with a diagram showing "KUALITI" at the top, and "MASA" and "KOS" at the bottom, all connected by arrows.