BULETIN FKA

UNIVERSITI TEKNOLOGI MARA

Cawangan Pulau Pinang
Kampus Permatang Pauh

EDISI 2025

PENGAJIAN KEJURUTERAAN AWAM

UNIVERSITI TEKNOLOGI MARA CAWANGAN PULAU PINANG







Message from Ketua Pusat Pengajian



Assalamualaikum Warahmatullahi Wabarakatuh and greetings,

It is a pleasure to welcome you to the 2025 edition of Buletin FKA. This bulletin brings together the activities, achievements and memorable moments of the School of Civil Engineering, UiTM Cawangan Pulau Pinang throughout the year.

Looking back, 2025 has been a meaningful year for our School. While the achievements recorded in this bulletin deserve recognition, I believe our true strength lies in the people behind them. Every programme, student activity, research initiative and community engagement reflects the time and effort contributed by our lecturers, administrative staff, technical staff and students.

As educators, our responsibility extends beyond delivering academic content. We must prepare our students to think carefully, act professionally and respond confidently to the challenges they will encounter as civil engineers. The engineering profession continues to change, and our students must be ready to work with new technologies while remaining attentive to public safety, environmental concerns and the needs of society.

I am particularly grateful for the cooperation shown by everyone throughout the year. Some contributions are clearly visible through awards, publications and successful programmes, while many others take place quietly behind the scenes. Both are equally important to the continued success of our School.

To our students, I encourage you to make full use of every opportunity available during your time at UiTM. Academic knowledge provides the foundation, but your willingness to learn, communicate and take responsibility will shape the kind of engineer you eventually become.

I would also like to thank our alumni, industry partners and collaborators for continuing to share their knowledge and experience with us. Their involvement helps ensure that our teaching and activities remain relevant to professional practice.

Finally, congratulations to the editorial team and everyone who contributed to this edition. I hope Buletin FKA 2025 will serve as a meaningful record of our shared journey and remind us of what we can accomplish when everyone contributes.

Thank you and Wassalam.

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PROGRAM ACCREDITATION IQA-02 Master of Science in Infrastructure Forensic Engineering (CEEC708)

Ng Kok Shien

Civil Engineering Studies, Universiti Teknologi MARA (UiTM) Cawangan Pulau Pinang, recently concluded a comprehensive two-day internal quality assurance (IQA-02) accreditation visit for its specialized postgraduate program, the Master of Science in Infrastructure Forensic Engineering (Sarjana Sains Kejuruteraan Forensik Infrastruktur - CEEC708). The rigorous evaluation, which took place on 12 and 13 June 2025, serves as a critical milestone in ensuring the program maintains elite academic and operational standards. The evaluation was led by a distinguished panel of external experts: Ir. Ts. Dr. Mastura binti Azmi from Universiti Sains Malaysia (USM) and Ir. Dr. Mustaqqim bin Abdul Rahim from Universiti Malaysia Perlis (UniMAP).

Day 1: High-Level Briefings and Multi-Stakeholder Dialogues

The audit commenced on the morning of 12 June 2025 at the HEA Meeting Room, located in the BKBA Building. The opening session featured strategic briefings delivered by Prof. Madya Ir. Dr. Siti Noraini (Timbalan Rektor Hal Ehwal Akademik) and the Head of Ir. Ts. Dr. Mastura (the Evaluation Panel). This high-level assembly was attended by the university's top management executive circle, including the Dr Faizal Parkir (Head of Civil Engineering Studies), Dr Nor Husna bt Mohamad Nor (Head of the Postgraduate Studies), and Prof. Madya Ir. Dr. Ng Kok Shien (Program Coordinator).



Opening **session**

Following the opening administrative alignment, the panels moved swiftly into intensive review sessions:

- *Management and File Auditing*: The panels scrutinized programmatic compliance, placing a heavy emphasis on course files, CDL-CQI reports alongside the management team and Program Resource Persons.
- *Academic Staff Interviews*: Faculty members teaching the CEEC708 program underwent detailed interviews regarding pedagogical efficacy, research integration, and workload distributions.
- *Stakeholder Engagement*: Utilizing hybrid platforms, the afternoon sessions shifted online via Google Meet. The panels conducted extensive parallel interviews with active students across various cohorts—evaluating academic progression and CGPA metrics—followed by a dedicated session with the program's pioneering first-cohort graduates

The day concluded with a rigorous document reconciliation and internal panel deliberation, supported by the InQKA Accreditation Head to map out specific vectors for the following day's physical evaluation.

Day 2: Physical Infrastructure Inspections and Closing Verdict

The second day focused heavily on physical verification and asset readiness. Beginning at 8:30 AM, the evaluation panels embarked on an extensive walkthrough of the campus's engineering facilities. Accompanied by the program's technical staff and library staffs, the panels visited and audited several key environments:

- ❑ Specialized Laboratories: Major laboratories for example Heavy Structure Laboratory and Concrete Laboratory were inspected to verify equipment calibration and safety compliance.
- ❑ Learning and Resource Centers: The Main Library collections and designated lecture rooms were evaluated to confirm adequate reference depth for postgraduate forensic engineering



Librarian briefing on online resources



Lab staff explained on upkeeping of structure lab

The two-day exercise concluded with a formal Closing Meeting back at the HEA Meeting Room. The panels briefed the Timbalan Rektor HEA and the university executive committee on their core findings. The audit marks a constructive step forward, with the program demonstrating a strong foundation for full quality assurance compliance pending standard documentation updates.



Closing session