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UNIVERSITI  
TEKNOLOGI  
MARA

# IMED BULL'

FACULTY OF MEDICINE UTM



## TRAUMAX 2026: U<sup>i</sup>TM EMERGES CHAMPION



Through the  
Medical  
**Lens**

**BREAKING  
SILOS: WHY HIV  
PREVENTION  
IS EVERYONE'S  
RESPONSIBILITY**

**EMPOWERING  
THE EDUCATORS  
OF TOMORROW: A  
PRACTICAL GEMINI &  
NOTEBOOKLM SKILLS  
WORKSHOP**



**UNIVRAB-U<sup>i</sup>TM INBOUND  
PROGRAMME: ACADEMIC EXCHANGE  
AND STUDENT EXPERIENCE**



**SIALENDOSCOPY: TOWARDS  
ORGAN PRESERVATION SURGERY**





**GROUP** photo of all bootcamp participants, and organisers at Universiti Malaya.

# MEDICINE MEETS TECHNOLOGY: UiTM MEDICAL AND COMPUTER STUDENTS TAKE ON NATIONAL AI CHALLENGE

Nur Liyana Zuraimi, Muhammad Ammer Haziq Johari, Mumtazah Aiesyah Hassan, Tengku Afif Helmi Tengku Shahrulizam, Muhammad Zahin Mohd Zuflida, Ishaza Arianna Ismadee & Assoc. Prof. Dr. Ilham Ameera Ismail

**A**rtificial intelligence (AI) continues to shape the future of healthcare, offering unprecedented opportunities to improve diagnosis, treatment, and patient outcomes. As Malaysia advances toward a more digital and sustainable healthcare system, nurturing students with the skills to apply

AI responsibly and creatively is crucial in preparing them for the technological leap<sup>1</sup>.

In line with this vision, UiTM was proudly represented at the “AI in Medicine: Bootcamp & Hackathon 2025” by a multidisciplinary team of Year 4 medical students—Muhammad Ammer Haziq Johari, Nur Liyana Zuraimi, and Mumtazah Aiesyah Hassan—together with computer science students—Tengku Afif Helmi Tengku Shahrulizam, Muhammad Zahin Mohd Zuflida, and Ishaza Arianna Ismadee. Supervised by Assoc. Prof. Dr. Ilham Ameera Ismail from the Faculty



of Medicine, the team participated in this national programme organised by Universiti Malaya in collaboration with MRANTI, which challenged students across Malaysia to tackle healthcare problems and develop practical AI-powered solutions. Their proposal successfully passed the competitive selection stage, earning them a place among 20 shortlisted teams.

The programme began with a three-day intensive bootcamp held from 10-12 October 2025 at the Faculty of Engineering, University Malaya. Throughout the sessions, participants were trained to identify healthcare challenges, refining ideas, and analysing market needs. These sessions exposed students to the core process of innovation—understanding the problem,



**STUDENTS** successfully presenting their mock project pitch during the bootcamp training session.



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**THE** three UiTM medical student who participated in the programme.



Throughout the sessions, participants were trained to identify healthcare challenges, refining ideas, and analysing market needs. These sessions exposed students to the core process of innovation—understanding the problem, designing the solution, and preparing for implementation in a real healthcare setting.

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Following the bootcamp, students were given five weeks to develop a functional prototype and prepare for the national hackathon finals. The final competition took place on 16 November 2025 at Wyndham Grand Bangsar, where teams presented their innovations to a panel of industry experts and healthcare professionals.

The UiTM team's project, DOMINO (Digital Observed Medication Intake for Neuro-Outcome), is an AI-based system designed to address the challenge of medication nonadherence among patients with schizophrenia. The application uses video, speech,

and behavioural analysis to verify medication intake and detect early signs of relapse. By providing daily automated adherence verification and relapse-risk scoring, DOMINO aims to reduce readmission rates, support caregivers, and improve early intervention for patients. The team extends their appreciation to Assoc. Prof. Dr. Nur Faizah Ali (Psychiatrist) and Dr. Sakinah Idris (Clinical Psychologist) for their invaluable expert insights throughout the development process.

During the closing ceremony, Prof. Ir. Dr. Kaharudin Dimiyati, Deputy Vice-Chancellor (Research & Innovation),



**ACTIVE** discussion among participants as they refined ideas throughout the bootcamp activities.



The flyer features logos for Universiti Malaya and PEKOM at the top. The main title is 'AI IN MEDICINE BOOTCAMP & HACKATHON' with the theme 'SHAPING THE FUTURE OF HEALTH'. It lists key dates: Online Briefing (21 Sep 2025), Bootcamp (10-12 Oct 2025), and Competition (15 Nov 2025). The venue is Universiti Malaya. A central message invites students to identify healthcare challenges and develop AI solutions. It details eligibility (active undergraduate/postgraduate students, 4-6 members, at least one member from Engineering/Computer Science AND Medicine/Dentistry/Pharmacy) and prizes (RM9,000 cash prize for top teams, RM1,000 seed funding, and certificates). Competition tracks include Equitable Healthcare, Inculcating Wellness Culture, Health Management Systems, Patient Navigation Platforms, Senior Care Solutions, Remote Medicine, and Secure Health Data. A QR code and 'Express Your Interest' text are also present, along with a deadline of 10 Sep 2025.

**OFFICIAL** promotional flyer for the AI in Medicine Bootcamp & Hackathon 2025.



Universiti Malaya, praised the outstanding quality of ideas presented. He emphasised that the programme successfully achieved its mission of nurturing innovation, with several projects that were judged by innovators, showing potential for future

commercialisation.

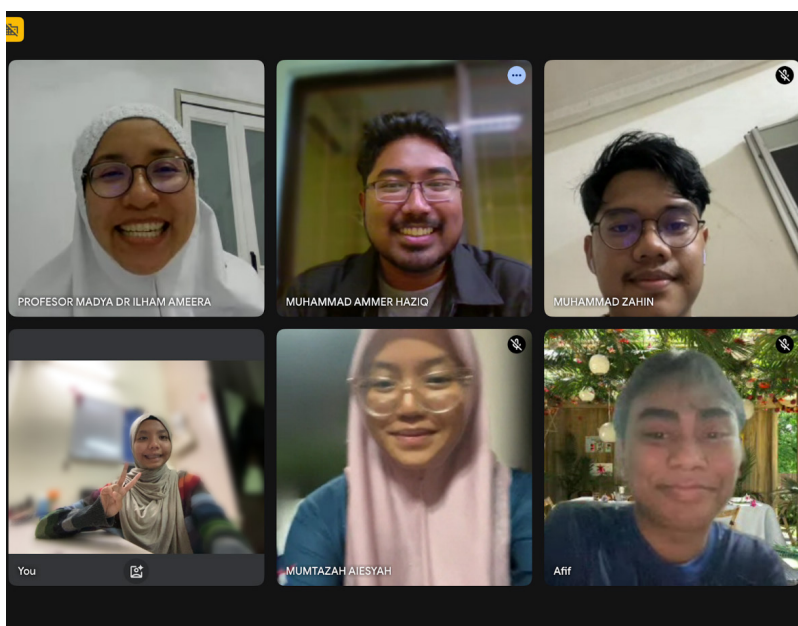
The UiTM team returned not only with certificates of participation but with invaluable exposure, mentorship, and cross-disciplinary collaboration that shaped their one-month journey. The event marks another milestone in





**UiTM** students taking a group photo with panelist Dr. Kev Lim from Qmed Asia, after their presentation.

Malaysia's efforts to accelerate healthcare innovation. This highlights the importance of integrating medicine, technology, and creativity in the pursuit of cultivating future leaders who will drive meaningful change in the nation's healthcare landscape.



**PROJECT** feedback session with advisor, Assoc. Prof. Dr. Ilham Ameera Ismail.



**UiTM** participants receiving certificates of participation during the event's closing ceremony.