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[Vol. 262 July 2025: UMPSA, UMK, and MIGHT forge strategic alliance to advance Malaysia's Rare Earth Industry](#)



اوتورسوتي مليسيا فوهو السلطان عبد الله  
UNIVERSITI MALAYSIA PAHANG  
AL-SULTAN ABDULLAH

# PEKAN REVIEW

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Technology for Society



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## General

### Collaboration UMPSA, UMK, and MIGHT forge strategic alliance to advance M

17 July 2025

CYBERJAYA, 16 July 2025 – Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), U and the Malaysia Industry-Government Group for High Technology (MIGHT) have formalis enhancing research, innovation, and commercialisation in the field of rare e

The partnership was cemented through the changing of a Memorandum of Understanding Cyberjaya.



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## General

### 5 UMPSA senior lecturers promoted to Professor Grade C

15 July 2025

GAMBANG, 19 June 2025 – Five senior lecturers from Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) were officially promoted to the position of Professor, Special Grade C (VK7), during a session held at the Chancellery Building, UMPSA Gambang Campus.

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## General

### 5 UMPSA Senior Lecturers promoted to Associate Professor

25 August 2025

PEKAN, 14 July 2025 – Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) continues to uphold academic excellence with the promotion of five senior lecturers to the position of Associate Professor from 20 June 2025.

The official letter presentation ceremony was held at the University Board of Directors (LPD) Chancellery, Pekan Campus.





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## Research

3 high school teachers from Kuantan create Smart Stroke Lab, combining a educational innovation, win gold at CITREX UMPSA

7 August 2025

PEKAN, 1 July 2025 – In an effort to elevate the Visual Arts Education subject while also Engineering, Arts, and Mathematics (STEAM), a group of teachers from the Kuantan district, Ministry of Education Malaysia (MOE), led by SMK Bukit Rangin teacher Rizuan Shah Hapipi, developed

, combining arts and technology to colour educational innovation, win gold at

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## Research

3 SMK Bukit Rangin students create Therapaint, an art therapy innovation to  
wins gold at CITREX UMPSA 2025

7 August 2025

PEKAN, 3 July 2025 – Concerned with the declining mental health among students, three  
Kebangsaan (SMK) Bukit Rangin, Kuantan, Putri Siti Nurshahira Balqis Shazriyana Norim  
Aienin Suraya Shahril Abdul Hakim, have introduced an art therapy-based innovation

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## Research

### UMPSA lecturer's innovation simplifies farm and aquaculture automation through at ITEX 2025

7 August 2025

PEKAN, 10 July 2025 – A high-impact research initiative from Universiti Malaysia Pahang  
fruit when a smart automation technology innovation based on the Internet of Things (IoT),  
a gold medal at ITEX 2025.

The innovation was created by a lecturer from the Faculty of Manufacturing and Mechanical Engineering  
(FTKPM), Dr Mohd Azraai Mohd Razman.

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## General

### ChM. Ts. Dr. Siti Qurratu' Aini develops Green Shale Swelling Inhibitor for shale industry

30 July 2025

PEKAN, 17 July 2025 – Concerns over environmental pollution caused by the use of non-eco-friendly potassium chloride (KCl) in drilling operations in the oil and gas industry became the starting point for the development of an eco-friendly shale swelling inhibitor.

This innovation was developed by a lecturer from the Faculty of Chemical Engineering Technology, Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), ChM. Ts. Dr. Siti Qurratu' Aini.

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## General

### Dr. Mohd Azraai unveils LUNAS: The future of AI-Powered

17 July 2025

PEKAN, 14 July 2025 – In a bid to enhance efficiency and accuracy in fish monitoring, Dr. Mohd Azraai, a lecturer from the Faculty of Manufacturing Engineering Technology and Mechatronics (FTK) at Universiti Malaysia Sultan Abdullah (UMPSA), has developed an AI-based automatic fish monitoring system called the LUNAS (LUNAS Aquaculture System (LUNAS)) — a breakthrough innovation poised to transform Ma

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## General

### DistilWise IoT: A Smart Industrial Wastewater Treatment innovation b

17 July 2025

PEKAN, 16 July 2025 – A team of researchers from the Faculty of Civil Engineering Techn  
Pahang Al-Sultan Abdullah (UMPSA), led by Associate Professor Dr. Nadzirah Mokhta  
innovative water treatment system that integrates membrane distillation technology w

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## Student

### UMPSA Vice-Chancellor's caring visit brings hope to the daughter of Cendol

30 July 2025

SHAH ALAM, 15 July 2025 – “I am truly grateful and happy. This is a blessing that came to my daughter, allowing her to study at the university of her choice,” said Shahrul Nizam, better known as *Cendol Cartoon*, the father of the student. Shahrul Nizam is the Vice-Chancellor of Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), Professor Datin Nur Sharmila Shaheen, Member of the Board of Trustees of the UMPSA.

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## General

[UMPSA Academics bring English and AI Learning to secondary school students](#)

30 July 2025

PEKAN, 16 July 2025 – The Centre for Modern Languages (CML), Universiti Malaysia Pa made a significant impact on the English language learning experience of secondary school students through a technology-integrated Corporate Social Responsibility (CSR) programme held at Sekolah Menengah Agama (SMATAF).



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## Community

### UMPSA launches Integrated TVET-Based Community Programme for Rumah

11 July 2025

PEKAN, 4 July 2025 – Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) has taken a significant step towards community empowerment by signing a Memorandum of Understanding (MoU) with Rumah Penyayang, supporting the underprivileged through education, skills training, technological empowerment, and social support.

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## General

### UMPSA Strategic Plan 2026–2030 (UMPSA30) to Drive the University'

7 August 2025

PUTRAJAYA, 4 July 2025 – Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) continues to evolve as a globally recognised technical higher education institution through the UMPSA Strategic Plan 2026–2030 (UMPSA30) which has been structured and is now in its final phase before its official launch.

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## [Experts](#)

### [How TVET is Reshaping Malaysia's Economic Future](#)

4 August 2025

Once viewed as a secondary option to a university degree, Technical and Vocational Education (TVET) is becoming the cornerstone of Malaysia's economic strategy. Backed by substantial government policies, and soaring enrolment, TVET is being strategically positioned as a primary engine for creating a skilled, ready workforce.

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