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



PEKAN REVIEW

E-Newsle

Technology for Society

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.

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 Haji Ahmad Shah II (UMPSA) were officially promoted to the position of Professor, Special Grade C (VK7), during a session held at the Chancellery Building, UMPSA Gambang Campus.

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 recognise academic excellence with the promotion of five senior lecturers to the position of Associate Professor effective from 20 June 2025.

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

Research

3 high school teachers from Kuantan create Smart Stroke Lab, combining arts and technology to colour 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 combining it with Science, Technology, Engineering, Arts, and Mathematics (STEAM), a group of teachers from the Kuantan district, Terengganu, Malaysia (MOE), led by SMK Bukit Rangin teacher Rizuan Shah Hapipi, developed a Smart Stroke Lab.

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

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.

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 (UMPSA) has won a gold medal at the International Trade Exhibition and Convention (ITEX) 2025. The innovation, developed by a lecturer from the Faculty of Manufacturing and Mechanical Engineering (FTKPM), Dr Mohd Azraai Mohd Razman, has simplified farm and aquaculture automation through the use of smart automation technology based on the Internet of Things (IoT).

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

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-edible oil in shale gas extraction led the oil and gas industry to become the starting point for the development of an eco-friendly shale swelling inhibitor using potassium chloride (KCl) in drilling operations.

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

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 Sultan

Sultan Abdullah (UMPSA), has developed an AI-based automatic fish monitoring system, the LUNAS (Lampung Aquaculture System) — a breakthrough innovation poised to transform Malaysia's aquaculture industry.

General

DistilWise IoT: A Smart Industrial Wastewater Treatment innovation

17 July 2025

PEKAN, 16 July 2025 – A team of researchers from the Faculty of Civil Engineering Technology, Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), led by Associate Professor Dr. Nadzirah Mokhtar, has developed an innovative water treatment system that integrates membrane distillation technology with IoT. The system, known as DistilWise IoT, is designed to treat industrial wastewater, specifically from the textile industry, by removing dissolved solids and organic pollutants. The researchers have conducted extensive testing and validation of the system, demonstrating its efficiency and reliability. The DistilWise IoT system is a significant advancement in water treatment technology, offering a sustainable and cost-effective solution for industrial wastewater management. The team is currently working on further improving the system's performance and expanding its applications to other industries.

Student

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

30 July 2025

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

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 Pahang (UMP) has 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 Melayu Alif Alfabet (SMATAF).

Community

UMPSA launches Integrated TVET-Based Community Programme for Rumah Penyayangan

11 July 2025

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

General

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

7 August 2025

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

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 and Training (TVET) is now becoming the cornerstone of Malaysia's economic strategy. Backed by substantial government investment, policies, and soaring enrolment, TVET is being strategically positioned as a primary engine for a highly skilled and ready workforce.

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