



UPM Wins Two Gold, Two Silver Medals at ITEX 2026 with AI and Smart Technology Innovations

By: Noor Eszereen Juferi



SERDANG, 22 May – Universiti Putra Malaysia (UPM) further strengthened its reputation as a high-performing research university after winning two gold medals and two silver medals at the International Invention, Innovation and Technology Exhibition (ITEX) 2026 through innovations driven by artificial intelligence (AI), smart technology and community sustainability.

The achievement reflects the capability of UPM researchers in developing high-impact technologies focused on inclusive education, smart agriculture, community well-being and the preservation of cultural heritage.

Director of Putra Science Park (PSP), UPM, Prof. Dr. Samsilah Roslan, said the accomplishment demonstrated the university's continuous commitment to strengthening research, innovation and technology commercialisation that benefit society and the nation.

“The success at ITEX 2026 also proves the ability of university researchers to develop innovative solutions that are relevant to current challenges and have the potential to be showcased internationally.

“This achievement not only elevates UPM’s name on the global stage, but also highlights the strength of the university’s innovation ecosystem in producing technologies that can benefit communities, industries and the country,” she said.

Among the major achievements was the gold medal won by Senior Lecturer and Head of the Department of Software Engineering and Information Systems, Faculty of Computer Science and Information Technology (FSKTM), UPM, Dr. Novia Indriaty Admodisastro, through the innovation “DisleksiaBelajar CappyBaca: An Interactive and Personalised AI-Driven Audiobook for Children with Dyslexia”.

The AI-based innovation was developed to assist children with dyslexia through an interactive and personalised learning experience aimed at improving comprehension and reading interest.

Another gold medal was awarded to Head of the Multimedia Department at FSKTM, UPM, Dr. Puteri Suhaiza Sulaiman, for the innovation “Deep-NDVI+: Multimodal AI Plant Stress Detection with Environment-Contextualised Scoring and Community Intelligence via Mobile Phone”.

The technology enables smart plant stress monitoring using mobile phones through the integration of AI analysis and environmental data, supporting sustainable agriculture development and national food security.



Meanwhile, Music Department lecturer at the Faculty of Human Ecology (FEM), UPM, Dr. Clare Chan Suet Ching, received a silver medal for the innovation “Digitalised Sonic Echo Reproduction of the Mangrove Forest Through Orang Asli Musical Heritage and Participant Interaction Randomised by Artificial Intelligence”.

The innovation combines the musical heritage of the Orang Asli community with AI technology to create a creative and culturally valuable interactive digital audio experience.

Another silver medal was awarded to Head of the Department of Computer Science, FSKTM, UPM, Dr. Thingaran Perumal, for the innovation “PutraAIR – Indoor Air Quality Monitoring System in Smart Buildings”, a real-time indoor air quality monitoring system for smart buildings designed to enhance user safety and well-being.

UPM’s participation at ITEX 2026 also showcased the strength of cross-disciplinary collaboration in developing digital and AI-driven innovations that support inclusive education, environmental sustainability, smart agriculture and community well-being.

The achievement further reinforces UPM’s position as a higher education institution actively driving high-impact research while expanding knowledge transfer and technology commercialisation at the global level.

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