

THE AWARDS ASIA 2021

Technological Innovation of the Year

Institution name	National Yunlin University of Science and Technology
Submission title or project name	Smart Learning: YunTech's Student Placement Scheme
Nominee/key personnel	Professor Yang, Neng-Shu, President; Professor Fang, Kwo-Ting, Vice President; Professor Yu, Hui-Yun, Director of Teaching Excellence Center; Hu, Yung-Hsiang, Assistant Professor of the General Education Center; The Office of Academic Office
URL	
Submission	<p>National Yunlin University of Science and Technology has created a student-centric and service-based environment where learning is more adaptive, personalized and customized via technological innovation.</p> <p>YunTech has run the student placement scheme since 2018 through the utilization of data-mining analysis to support institutional needs. Calculus (I) and Physics (I) were key modules that affect student desertion after the CART algorithm. Along with a 23-day free online gateway course, remedial teaching, online teaching assistants and study group, the desertion rate for the College of Engineering in 2018 was 2.62% which is lower than that of 2017 by 2.83% (5.45%). The desertion rate in 2019 was 1.2%.</p> <p>"Learning can happen anytime and anywhere" is the core value of the student placement scheme, where online learning and personalized, adaptive and intelligent learning services should be offered. YunTech also introduced an intelligent tutoring robot as a companion or an early-warning system through robotic process automation.</p>