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Asia School of Business picks data-driven solutions to address future public health threats

March 1, 2022 | News

To drive sustainable hospital policies and address future public health threats



A cohort of 59 MBA students from Asia School of Business (ASB), a collaboration between theMIT Sloan School of Management and Malaysia's central bank (Bank Negara Malaysia), recently participated in an innovative climate change and healthcare-focused hackathon in Dubai, UAE to develop solutions to real-world problems faced by the healthcare industry.

The event was jointly organized with VPS Healthcare, one of the leading integrated healthcare providers in the UAE region with 24 operational hospitals and over 125 healthcare centres.

The half-day hackathon saw students proposing several innovative 'hacks' to identify and proposed sustainable solutions for mission-driven healthcare groups like VPS Healthcare.

With the purpose of impacting the health of patients and the communities they live in, students identified solutions that included AI-based predictive analytics combining patient data with meteorological data and other historical data to inform capacity planning. Another solution focused on a real-time carbon tracking dashboard using procurement and planning data to simulate the impact of a new project or policy.

In carrying out its healing mission, the healthcare sector needs to factor in challenges that will become increasingly hard to ignore, including increased fatalities and injuries due to extreme weather events and a rise in chronic health conditions like asthma, infectious diseases, and mental illness.