

Steering towards a digital tech era

AS technology is getting more and more integrated into our everyday lives, the demand for technology-based products, infrastructures and services has risen to new heights and will continue to do so in the foreseeable future.

This has resulted in a growing demand for more tech-savvy talents from the higher education sector through the push for more emphasis on science, technology, engineering, and mathematics (STEM) subjects to help Malaysia keep up with the technology-driven era.

Tunku Abdul Rahman University of Management and Technology's (TAR UMT) Faculty of Computing and Information Technology (FOCS) shoulders the responsibility of producing Malaysia's future digital talents by providing courses that cover a wide array of disciplines such as computer science, data science, software engineering, information technology and information systems.

As one of the highly reputable MDEC Premier Digital Tech Institutions since 2017, TAR UMT is recognised as a preferred institution that possesses an established track record of excellence in providing education that aligns with the needs of the digital technology sector, and is equipped both in infrastructure and academic resources to produce high-quality



See conducts a live demonstration of the RC car being operated remotely through 5G connection.

graduates who are well equipped for high-value jobs in the digital industry.

See Meng Shen is one of the many students walking down this promising path.

The Bachelor of Computer Science (Hons) in Interactive Software Technology student has always been interested in the interactive software development process, and would hope to be on the creator side of things in the future.

"The world is slowly advancing towards an era where digital-based careers such as artificial intelligence, robotics, automation, and interactive software,

are in high demand. Obtaining the knowledge and skills today will help me prepare for a future digital-based career," said See.

As part of his learning process, See is also in charge of the 5G Teleoperated Remote-Controlled (RC) Car project that aims to prototype a vehicle that is capable of being operated remotely by utilising a 5G connection.

"This project is exploring the possibilities and limitations of remotely operating a vehicle. If the results are favourable, it can lead to larger practical applications such as remote operation of

construction or transportation vehicles, making it a significant milestone for remote driving in the future or even providing an insight into other possible applications of 5G.

"On top of having to fully tap into my interactive software knowledge to design and program the prototype correctly, I also learned new concepts such as the Internet of Things (IoT), critical thinking and problem-solving in order to further improve the prototype's interface.

"I am sure these learning experiences will help me become an asset in my future career."

See added.

The project is also an initiative under the Immersive Design and Interactive Software Development Group, a research group under FOCS's Centre for ICT Innovations and Creativity, a research centre focused on cultivating an entrepreneurial culture among lecturers and students through research and development activities that can potentially lead to commercially viable innovations.

"This project's aim was to research and look into testing and learning how we can maximise the possibilities of tele-operating machines via 5G connection. This research can pave the way for innovations in transportation, logistics, or construction sectors," said programme leader and work-group leader of the Immersive Design and Interactive Software Development Group Andrew Tan Khin Huat.

■ For more information about TAR UMT's computing and information technology programmes, visit TAR UMT's Open Day from now until June 23, 10am to 5pm (excluding public holidays). You can also call 011-1075 8554 or log on to www.tarc.edu.my for information about TAR UMT and to apply online. Various financial aid and merit scholarships are available for qualified students.