TAKE THE FIRST STEP

INVENTING ASIMO, the world's most advanced human robot that can walk, dance, and even conduct a symphony orchestra, may sound like a sky-high dream. However, at Tunku Abdul Rahman College (TAR College), anything is possible.

TAR College students Chew Wai Loon and Chok Lii Hoong have certainly followed in the footsteps of great achievers. The two mechanical and manufacturing engineering students have achieved a commendable feat with their invention of a robotic hand that can be tele-operated to pick up even the smallest of objects in an environment deemed too hazardous for the human hand.

Entitled Design and Fabrication of Master-Slave Robotic Manipulator, their project was indeed one of the main attractions at the Project Design Exhibition (ProDex) which showcased many extraordinary final year project designs of Advanced Diploma students from the School of Technology.

Providing students with a strong academic foundation and well-rounded preparation to help them rise to future challenges is and always has been at the heart of TAR College's educational mission. The innovative pedagogy employed by the college, along with its focus on engaging students in hands-on experiences and case studies, enable students to put into practice the theories that they have learnt during their course of study.

In keeping tabs on industrial and technological developments to tailor its programmes according to the market's need, TAR College continues to forge industry links and maintain close liaisons with the industry as well as other institutions of higher learning through various strategic partnerships and collaborations.

The College adopts a value-added approach by incorporating into its syllabus industry-relevant skills training that lead to professional certifications. Students learn the Computer Numerical Control (CNC) and related CNC part-programming that are used in computer-aided manufacturing, and the SolidWorks Computer-aided Design cum Cosmos Finite Element Analysis software package used in three-dimensional computer-aided design.

The College is also a Local Academy of the Cisco Networking Academy Programme (CNAP) and its four Cisco networking laboratories boast of the largest number of the latest series of routers that any Cisco academy in Malaysia would have to support the CNAP program.

These are among the initiatives taken by the college to enhance the quality of its education in order to produce graduates who possess the latest knowledge and technical know-how. Celebrating its 40th anniversary this year, the college's success is reflected in its track record of having produced more than 140,000 graduates to the workforce for nation building.