NEW COURSE IN INDUSTRIAL ROBOTICS AND AUTOMATION

Diploma course fills skills gap to meet manufacturing industry needs using Learn-Practise-Implement model

With the growing need to boost productivity to be competitive, more skilled engineers are in demand for effective adoption of robots and automation technology. These engineers must be able to assess the manufacturing processes, identify the hot spots, plan and implement suitable automation technology.

To this end, SIMTech is launching a new course in industrial robotics and automation. Known as Graduate Diploma in Industrial Automation, the course aims to fill the gaps in knowledge and skills for the manufacturing industry in the areas of robotics, material handling, automation system control, design and simulation.

The participants will be taught by SIMTech trainers, who developed the course based on numerous robotics and automation projects they executed, through practical automation with industry.

In five modules, the course with hands-on sessions covers the following key capabilities:

- **Apply robotics for manufacturing automation** – Understanding the fundamentals of robotics and how industrial robots can be used for manufacturing process automation

- **Automation components and systems** – Application of part handling systems for loading and unloading, and material transferring within work cells and among the machineries on the factory floor

- **Control in automation systems** – Selection of the state-of-the-art automation control systems for equipment and automation line control

- **Automation design and simulation** – Assessment of manufacturing process for implementation of automation systems using design and simulation tools

- **Plan and manage project for Implementation** – Application of methods for planning, executing and managing projects for developing technology, products and processes

The course is for Professionals, Managers, Engineers and Technicians (PMETs) who have a degree in engineering, or have a diploma with several years of work experience in equipment and automation system operation, maintenance and development.

The first module on Apply Robotics for Manufacturing Automation starts in July 2019.

For enrolment details and course fees, please visit https://www.a-star.edu.sg/kto/Courses/Graduate-Diplomas

Funding is available for Singaporeans and Permanent Residents to cover up to 95 per cent of the course fee. For details, please contact KTO-enquiry@SIMTech.a-star.edu.sg

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**Based on practical case-studies, the course contents are industry-relevant**