

## **Higher Diploma in Mechanical Engineering (8C118)**

### Programme Intended Learning Outcomes

Upon successful completion of the Higher Diploma in Mechanical Engineering programme, graduates will be able to:

#### *Generic Skills Outcomes*

P-ILO-1      **Broadening:** Describe issues and problems from different perspectives, drawing upon disciplinary knowledge and skills beyond their majors.

P-ILO-2      **IT:** Apply information technology to carry out tasks commonly encountered in daily life, at work and in tertiary level studies.

#### *Professional Outcomes*

P-ILO-3      **Engineering Knowledge and Skills:** Apply fundamental knowledge and skills in science, mathematics and mechanical engineering.

P-ILO-4      **Analytic Thinking and Problem Solving:** Apply engineering and computing principles, tools and analytical skills, and suggest workable solutions to deal with problems in engineering and daily contexts.

P-ILO-5      **Engineering Design:** Design engineering components, processes or systems to meet desired needs.

P-ILO-6      **Ethical and Professional Attitude:** Articulate the professional and ethical responsibility of an associate engineer, and demonstrate professional attitude in approaching tasks.

P-ILO-7      **Communication:** Communicate effectively in written and spoken English and Chinese.