



KEMENTERIAN PENDIDIKAN TINGGI



DIPLOMA IN MECHANICAL ENGINEERING - DKM

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

The Diploma in Mechanical Engineering programme shall produce semi-professionals who are:

- PEO1** Competent in knowledge and skills in the field of mechanical engineering according to industry requirements.
- PEO2** Effective in communication and contribute effectively as a team member with the capability of being a leader.
- PEO3** Ethically and socially responsible towards developing the community and the nation.
- PEO4** Able to demonstrate entrepreneurship skills and recognize the need of lifelong learning for a successful career advancement and able to adapt themselves with new technological challenges in mechanical fields

PROGRAMME LEARNING OUTCOMES (PLO)

Upon completion of the programme, graduates should be able to:

- PLO1** Apply knowledge of mathematics, science, engineering fundamentals and social sciences to well-defined mechanical engineering procedures and practices.
- PLO2** Analyse well-defined mechanical engineering problems with respect to operation and maintenance, including troubleshooting
- PLO3** Conduct investigations and assist in the design of solutions for mechanical engineering systems
- PLO4** Apply appropriate techniques, resources, and engineering tools to well-defined mechanical engineering activities, with an awareness of the limitations
- PLO5** Demonstrate an awareness and consideration for societal, health, safety, legal and cultural issues and their consequent responsibilities
- PLO6** Communicate effectively with the engineering community and society at large.
- PLO7** Function effectively as an individual and as a member in diverse technical teams.
- PLO8** Demonstrate an understanding of professional ethics, responsibilities and norms of engineering practices
- PLO9** Demonstrate an awareness of management and entrepreneurship;
- PLO10** Demonstrate an understanding of the impact of engineering practices, taking into account the needs for sustainable development.
- PLO11** Recognise the needs for professional development and to engage in independent and lifelong learning