DIPLOMA IN MECHANICAL ENGINEERING (PLANT)





PROGRAMME EDUCATIONAL OBJECTIVE(PEO)

The Diploma in Mechanical Engineering (Plant) programme should produce balanced and competent TVET workers who are:



PROGRAMME EDUCATIONAL OBJECTIVE PE01

equipped with industry-relevant knowledge and skills in mechanical engineering field

PE02

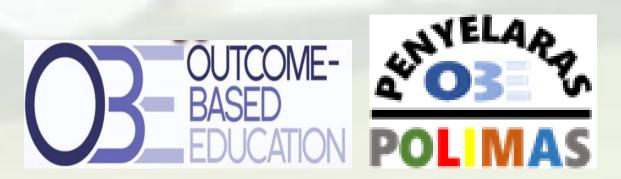
engaging on lifelong and continuous learning to enhance knowledge and skills

PE03

instilled with entrepreneurial skills and mind set in the real working environment

PEO4

established strong linkage with society and players in the industry



DPLOMA IN MECHANICAL ENGINEERING (PLANT) DIPLOMA IN MECHANICAL ENGINEERING (MANUFACTURING) DIPLOMA IN MECHATRONIC ENGINEERING **DIPLOMA IN MECHANICAL ENGINEERING (PLASTIC)**

PROGRAMME LEARNING OUTCOMES (PLO)

Upon completion of the programme, students shoud be able to:

knowledge of applied apply mathematics, science, applied engineering fundamentals and an engineering specialisation as specified DK1 DK4 in to to wide respectively practical procedures and practices.

PLO₂

02

 $\boxed{03}$

identify and analyse well-defined engineering problems reaching substantiated conclusions using codified methods of analysis specific to their field of activity (DK1 to DK4)

PLO3

design solutions for well-defined technical problems and assist with the design of systems, components or processes to meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations (DK5)

PLO4

conduct investigations of welldefined problems; locate and search relevant codes and catalogues, conduct standard tests and measurements

PLO5

apply appropriate techniques, resources, and modern engineering and IT tools to well- defined engineering problems, with an awareness of the limitations (DK6)

PLO₆

demonstrate knowledge of the societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to engineering technician practice and solutions to well-defined engineering problems (DK7)

POL MAS



KEMENTERIAN PENGAJIAN TINGGI JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI

understand and evaluate the sustainability and impact of engineering technician work in the solution of well-defined engineering problems in societal and environmental contexts (DK7).

SULTAN ABDUL HALIM MU'ADZAM SHAH

PLO8

understand and commit to professional ethics and responsibilities and norms of technician practice

function effectively as an individual, and as a member in diverse technical teams

PLO10

communicate effectively on welldefined engineering activities with the engineering community and with society at large, by being able to comprehend the work of others, document their own work, and give and receive clear instructions

PLO11

demonstrate knowledge and understanding of engineering management principles and apply these to one's own work, as a member or leader in a technical team and to manage projects in multidisciplinary environments

PLO12

recognise the need for, and have the ability to engage in independent updating in the context of specialised technical knowledge















