DIPLOMA IN MECHATRONIC ENGINEERING





PROGRAMME EDUCATIONAL OBJECTIVE(PEO) The Diploma in Mechatronic Engineering programme should produce balanced and competent technical workers who are:

PROGRAMME EDUCATIONAL OBJECTIVE



equipped with industry-relevant PE01 knowledge and skills in mechanical engineering field

engaging on lifelong and continuous PEO2 learning to enhance knowledge and skills

instilled with entrepreneurial skills and PE03 mind set in the real working environment

PE04 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)

07

08

PLO1

01

 $\mathbf{02}$

03

04

05

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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

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

KEMENTERIAN PENGAJIAN TINGGI JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI

PLO7

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

PLO9

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



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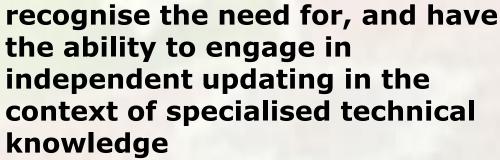
PLO10

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



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)

