# DIPLOMA IN ELECTRICAL ENGINEERING DIPLOMA IN ELECTRONIC ENGINEERING (COMMUNICATION) DIPLOMA IN ELECTRICAL AND ELECTRONIC ENGINEERING





**PROGRAMME EDUCATIONAL OBJECTIVE(PEO)** The programme shall produce semi professionals who are:

Practicing technician in electrical engineering related field

**2** Contributing to society with professional ethic and responsibilities

Engaging in enterprising activities that apply engineering knowledge and technical skills

PEO4

Engaging in activities to enhance knowledge for successful career advancement

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# PROGRAMME LEARNING OUTCOMES (PLO)

07)

(08)

#### PLO1

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04

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

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## 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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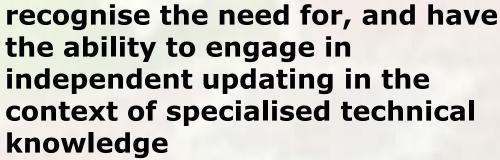
#### **PLO10**

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)

