

ETAC ENGINEERING TECHNOLOGY ACCREDITATION COUNCIL

01

Apa Itu ETAC ?

ETAC atau Majlis Akreditasi Teknologi Kejuruteraan adalah badan wakil oleh Lembaga Jurutera Malaysia (BEM). ETAC menyediakan peralihan lancar dalam pengakreditasi program pendidikan Teknologi Kejuruteraan dan Juruteknik Kejuruteraan berasaskan Sydney Accord.

Pada tahun 2015, BEM telah menubuhkan ETAC dengan ahli jawatankuasa terdiri daripada 7 kumpulan. Ia adalah satu-satunya badan akreditasi yang diiktiraf untuk ijazah teknologi kejuruteraan, diploma kejuruteraan dan program teknologi kejuruteraan yang ditawarkan di Malaysia.

02

Objektif Akreditasi

1. Graduan daripada program kejuruteraan yang diiktiraf memenuhi keperluan akademik minimum untuk pendaftaran sebagai jurutera siswazah dengan BEM
2. Peningkatan Kualiti Berterusan (CQI) diamalkan oleh Institusi Pengajian Tinggi (IPT). Akreditasi juga boleh berfungsi sebagai alat penanda aras program kejuruteraan yang ditawarkan oleh IPT di Malaysia



Kelebihan ETAC kepada Pelajar dan Organisasi

Standard

Menjamin bahawa program diploma yang ditawarkan memenuhi standard tinggi yang ditetapkan oleh ETAC

Lanjut Pengajian

Membolehkan pelajar melanjutkan pengajian di institusi tempatan atau luar Negara



Tawar Program

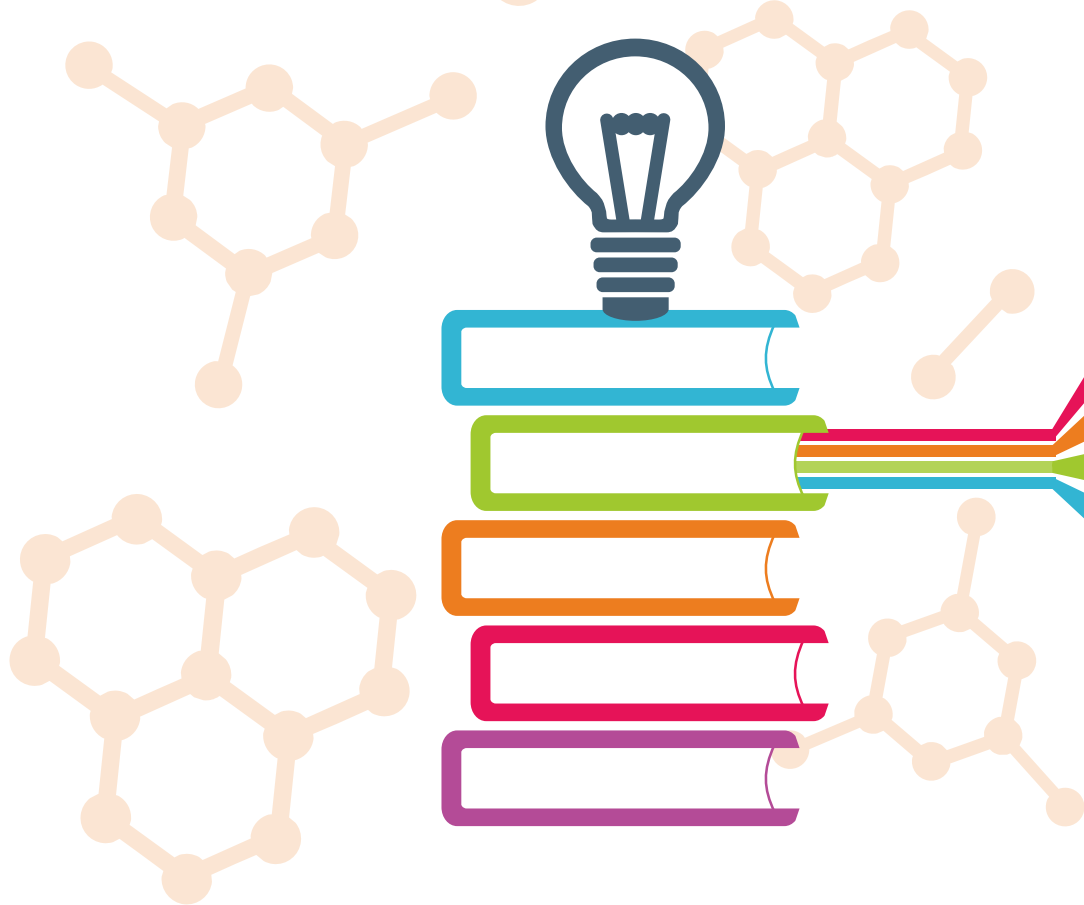
Institusi akan diberikan peluang untuk menawarkan program teknologi dan TVET

Diiktiraf

Pelajar yang telah graduan boleh diiktiraf sebagai Juruteknik Kejuruteraan / Inspektor Kerja yang berdaftar dengan BEM



4 PEO PROGRAM EDUCATIONAL OBJECTIVE



PEO 1

Practicing technician in electrical engineering related field

PEO 2

Contributing to society with professional ethic and responsibilities

PEO 3

Engaging in enterprising activities that apply engineering knowledge and technical skills

PEO 4

Engaging in activities to enhance knowledge for successful career advancement

12 PLO PROGRAM LEARNING OUTCOME

Knowledge

PLO
1

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

Problem analysis

PLO
2

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

Design/development of solutions

PLO
3

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);

Investigation

PLO
4

Conduct investigations of well-defined problems; locate and search relevant codes and catalogues, conduct standard tests and measurements;

Modern Tool Usage

PLO
5

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

The Engineer and Society

PLO
6

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);

Environment and Sustainability

PLO
7

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);

Ethics

PLO
8

Understand and commit to professional ethics and responsibilities and norms of technician practice;

Individual and Team Work

PLO
9

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

Communications

PLO
10

Communicate effectively on well-defined 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;

Project Management and Finance

PLO
11

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

Life Long Learning

PLO
12

Recognise the needs for, and have the ability to engage in independent updating in the context of specialised technical knowledge;

