



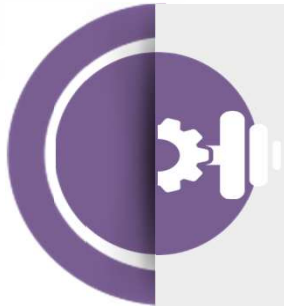
KEMENTERIAN PENDIDIKAN TINGGI
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI



03 Programme Educational Objective (PEO)

DIPLOMA IN BUILDING SERVICES ENGINEERING

Within a few years after completing Diploma in Building Services Engineering, graduates are able to:



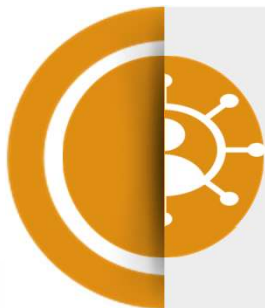
Establish themselves as practicing technicians in Building Services Engineering or related fields

01



Engage in a lifelong pursuit of knowledge and interdisciplinary learning appropriate for industrial, entrepreneurial and academic careers

02



Contribute to sustainable development and the well-being of society

03



11 Programme Learning Outcome (PLO)

DIPLOMA IN BUILDING SERVICES ENGINEERING

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

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

PL01

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

PL02

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, as well as cultural, societal, and environmental considerations as required (DK5).

PL03

Conduct investigations of well-defined problems; locate and search relevant codes and catalogues, conduct standard tests and measurements (DK8).

PL04

Apply appropriate techniques, resources, and modern engineering computing and IT tools to well-defined engineering problems, with an awareness of the limitations (DK2 and DK6).

PL05

Consider sustainable development impacts* to: society, the economy, sustainability, health and safety, legal frameworks, and the environment, in solving well defined engineering problems (DK1, DK5, and DK7).

PL06

Understand and commit to professional ethics and responsibilities and norms of technician practice and including compliance with national and international laws. Demonstrate an understanding of the need for diversity and inclusion; (DK9).

PL07

Function effectively as an individual, and as a member in diverse and inclusive teams in multi disciplinary, face-to-face, remote and distributed settings; (DK9).

PL08

Communicate effectively and inclusively 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.

PL09

Demonstrate awareness of engineering management principles as a member or leader in a technical team and to manage projects in multidisciplinary environments.

PL010

Recognize the need for, and have the ability for i) independent and life-long learning and ii) critical thinking in the face of specialised technical knowledge; (DK8).

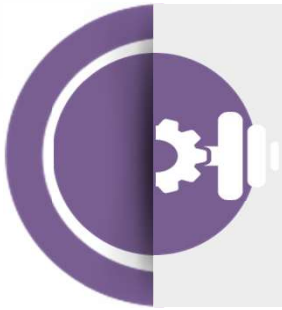
PL011



04 Programme Educational Objective (PEO)

DIPLOMA IN CIVIL ENGINEERING

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



Working in the related field of Civil Engineering

01



Lead or a team member in fulfilling their roles in industries.

02



Engaged in activities to enhance knowledge or embark their own enterprise

03



Fulfill professional and communities responsibilities, conforming to ethical and environmental values

04



11 Programme Learning Outcome (PLO)

DIPLOMA IN CIVIL ENGINEERING

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

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

PL01

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

PL02

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, as well as cultural, societal, and environmental considerations as required (DK5).

PL03

Conduct investigations of well-defined problems; locate and search relevant codes and catalogues, conduct standard tests and measurements (DK8).

PL04

Apply appropriate techniques, resources, and modern engineering computing and IT tools to well-defined engineering problems, with an awareness of the limitations (DK2 and DK6).

PL05

Consider sustainable development impacts* to: society, the economy, sustainability, health and safety, legal frameworks, and the environment, in solving well defined engineering problems (DK1, DK5, and DK7).

PL06

Understand and commit to professional ethics and responsibilities and norms of technician practice and including compliance with national and international laws. Demonstrate an understanding of the need for diversity and inclusion; (DK9).

PL07

Function effectively as an individual, and as a member in diverse and inclusive teams in multi disciplinary, face-to-face, remote and distributed settings; (DK9).

PL08

Communicate effectively and inclusively 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.

PL09

Demonstrate awareness of engineering management principles as a member or leader in a technical team and to manage projects in multidisciplinary environments.

PL010

Recognize the need for, and have the ability for i) independent and life-long learning and ii) critical thinking in the face of specialised technical knowledge; (DK8).

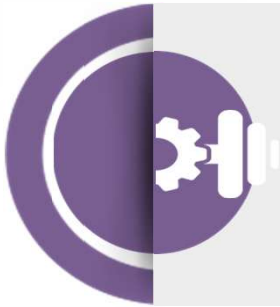
PL011



04 Programme Educational Objective (PEO)

DIPLOMA IN ARCHITECTURE

Within a few years after completing Diploma in Architecture, graduates are able to:



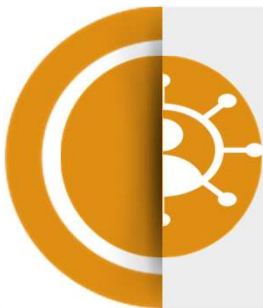
Demonstrate understanding, competency and numeracy skills in the field of architecture creatively and innovatively in line with industry requirements

01



Demonstrate effective communication, interpersonal and leadership skills in an organization

02



Integrate digital skills and professionalism in solving technical related problems through sustainable approach

03



Demonstrate positive character, entrepreneurship and lifelong learning skills for career advancement

04



KEMENTERIAN PENDIDIKAN TINGGI
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI

11 Programme Learning Outcome (PLO)

DIPLOMA IN ARCHITECTURE

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

Apply fundamental knowledge, concept, principles and theories in architecture.

PL01

PL02

Evaluate issues and problem systematically through critical and creative thinking within architectural context complying to standards, regulations and stakeholder's requirement in achieving sustainable development.

Display technical skills in using design tools, and design manners delivering architectural idea and solutions.

PL03

PL04

Develop interpersonal abilities and teamwork to achieve team goals.

Demonstrate effective communication skills in delivering services in related discipline.

PL05

PL06

Display the ability to use digital technology in architectural design-based task.

Make use of numeracy skills in solving architectural problems.

PL07

PL08

Manage with autonomy and lead with responsibility to improve organizational performance.

Demonstrate positive personal character in pursuing lifelong learning.

PL09

PL010

Initiate entrepreneurial skills to enhances the competitiveness in working environment .

Integrate ethical values, integrity and professionalism in performing tasks.

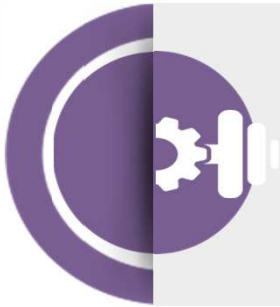
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04 Programme Educational Objective (PEO)

DIPLOMA IN QUANTITY SURVEYING

After completing the Diploma in Quantity Surveying, graduates are able to:



relate the acquired knowledge, practical and numerical skills to solve problems in the quantity surveying field

01



contribute to the organizations and environment by fostering the effective communication

02



apply professional ethics and digital skills in quantity surveying practices

03



demonstrate personal skills and entrepreneurial abilities for successful career development

04



11 Programme Learning Outcome (PLO)

DIPLOMA IN QUANTITY SURVEYING

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

Apply fundamental knowledge, concepts, principles, and theories in fields related to quantity surveying.

PL01

Evaluate problem systematically using critical thinking in complying to standards, regulations, and stakeholder's requirement.

PL02

Demonstrate competency and technical skills in delivering quantity surveying services.

PL03

Develop interpersonal abilities and actively contribute to achieve team goals.

PL04

Display effective communication skills in delivering quantity surveying services and related disciplines.

PL05

Demonstrate digital skills proficiency in accomplishing quantity surveying services.

PL06

Apply numeracy skills in solving quantity surveying problems.

PL07

Perform responsibility to enhance organizational performance with autonomy and leadership.

PL08

Demonstrate relevant personal traits in pursuing lifelong learning.

PL09

Develop entrepreneurial skills that can be applied in providing quantity surveying services and other related field.

PL010

Integrate ethical values, integrity, and professionalism in accomplishing task given.

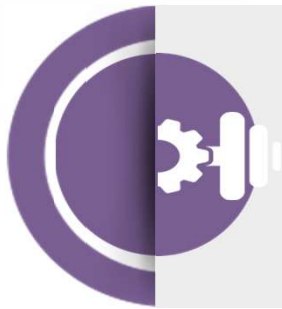
PL011



04 Programme Educational Objective (PEO)

DIPLOMA IN TOWN AND REGIONAL PLANNING

Diploma In Town And Regional Planning programme shall produce assistant town planner that are able to:



knowledgeable and able to solve town and regional planning problems creatively and innovatively with competency in line with industry requirements including the use of numerical techniques

01



demonstrate effective communication, interpersonal skills and good leadership with responsibility towards team members in an organisation

02



capable to solve town and regional planning problems ethically through sustainable approach including the use of digital skills

03



demonstrate positive character, entrepreneurship skills and lifelong learning for successful career advancement

04



KEMENTERIAN PENDIDIKAN TINGGI
JABATAN PENDIDIKAN POLITEKNIK DAN KOLEJ KOMUNITI

11 Programme Learning Outcome (PLO)

DIPLOMA IN TOWN AND REGIONAL PLANNING

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

Apply fundamental knowledge, theories, concepts and principles related to town and regional planning field.

PL01

Evaluate issues and problems systematically by using critical thinking complying to standards, regulations and stakeholder's requirement in achieving sustainable development.

PL02

Display technical skills in constructing layout plan and model of physical development plan in delivering ideas.

PL03

Initiates teamwork and interpersonal abilities to achieve team goals.

PL04

Demonstrate effective communication skills in delivering services in related discipline.

PL05

Display the ability to use digital platform in the field of town and regional planning.

PL06

Utilize numeracy skills in solving town and regional planning problems.

PL07

Organizes with autonomy and lead with responsibility to improve organizational performance.

PL08

Demonstrate positive personal character in pursuing lifelong learning.

PL09

Initiates entrepreneurial skills to enhance the competitiveness in working environment.

PL010

Integrate ethical values, integrity and professionalism in performing related tasks.

PL011