

HKCAAVQ International Conference 2020

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Sharing by:

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HKCAAVQ International Conference 2020

Quality of VPET

- **Attributes contributing to good quality of VPET**
- **Identifying key and essential stakeholders**
- **Contribution of key and essential stakeholders towards quality VPET**

Attributes contributing to good quality of VPET For professional education for engineers (QF Level 5)

An ability to **apply fundamental** knowledge of mathematics and applied science to **formulate solutions on engineering problems;**

An ability to **design, conduct experiments** or use modern computational tools, and **appreciate other** engineering designs, as well as to **analyze and interpret data** in engineering design for the professional discipline;

An ability to plan, organize, construct, control, monitor and deliver engineering projects of all types **to meet desired needs** within realistic constraints in terms of economic, quality, safety and environment, and sustainability;

An ability to **function on multi-disciplinary teams;**

Note: Adopted from HKIE document as an example

Attributes contributing to good quality of VPET For professional education for engineers (QF Level 5)

An ability to **identify, formulate, and solve open-ended and complex engineering problems;**

An ability to **describe and practice as a professional engineer** in compliance with managerial, social, professional and ethical responsibility;

An ability to **communicate effectively by means of drawings, oral and written presentations;**

An ability to **describe the impact of engineering-related solutions in a global and societal context**, especially the importance of health, safety and environmental considerations to both workers and the general public;

Note: Adopted from HKIE document as an example

Attributes contributing to good quality of VPET For professional education for engineers (QF Level 5)

An ability to **recognize the need for, and to engage in life-long learning**, and stay abreast of contemporary issues;

An ability to **understand the legal framework** and the relevant statutory requirements;

An ability to **use the techniques, skills and modern engineering tools** necessary for engineering practice; and

An ability to **use the computer/IT tools relevant to the discipline** along with an understanding of their processes and limitations.

Note: Adopted from HKIE document as an example

Identifying key and essential stakeholders

- **Who are the stakeholder**

- Education Institutions

- Students
- Faculty and teaching staff
- Department (administrative and lab staff)

- Government/Authorities

- Statutory Bodies (HKCAAVQ VTC, CIC, ERB, CITA)
- HKIE (professional accreditations)
- ICAC (ethics)

- Industries

- Employers

- Graduates/alumni

- etc



Contribution of key and essential stakeholders towards quality VPET

Education Institutions

- to nurture and develop the talents of students and create applicable knowledge to support social and economic advancement;
- to comprehensively review and enhance program structure and curriculum, and admission requirements;
- to incorporate industrial training and assessment, or internship opportunities in the VPET programs through close partnership with industries;
- and to ensure adequate resources in terms of manpower, space, facilities are provided to support good quality teaching and learning;

Contributions of key and essential stakeholders towards quality VPET

Government/ Authorities

- lead the promotion and publicity on VPET to the stakeholders in the community; to change the public's perception of VPET;
- work closely with in the industries, education and training institutions to strengthen and expand VPET articulation pathways to cater for sustainable development of the economy and attract young people to pursue VPET study;
- advise on academic standards of degree programs in higher education institutions, provides quality assurance and assessment advice to education and training institutions in HK;
- encourage the industries, and other government departments to recognize and support the Qualifications Framework.

Contribution of key and essential stakeholders towards quality VPET

Industries

- recognize the qualification of VPET;
- provide different platforms to advertise/organize VPET-related activities to attract junior secondary students;
- offer internships/placements to the sub-degree and degree levels students.

Contribution of key and essential stakeholders towards quality VPET

Employers

- offer promising career development opportunities, provide internal on-job trainings, and provide better working environments to young entrants and retain talented staff;

Graduates

- put theories into practice to demonstrate professional competencies and skills at the workplace;
- enhance their marketability such as upgrade practical skills through continuous learning

Thank you

The CityU logo is a dark red, stylized shape resembling a flag or a banner, positioned in the bottom right corner of the slide. It is set against a background of a network of thin red lines and dots that forms a wave-like pattern across the bottom of the slide.

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