

TECHNICAL VOCATIONAL EDUCATION AND TRAINING (TVET) IN INDUSTRY 4.0: TECHNOLOGIES, THREATS AND OPPORTUNITIES

19 TO 23 OCTOBER 2020

Sponsored by the

SINGAPORE COOPERATION PROGRAMME

under the

SINGAPORE COOPERATION PROGRAMME TRAINING AWARD

to be conducted by the

ITE EDUCATION SERVICES

Singapore Cooperation Programme

Singapore has provided technical assistance to other developing countries since the 1960s. As a country whose only resource is its people, Singapore believes that human resource development is vital for economic and social progress. Singapore itself has benefited from training provided by other countries and international organisations.

In 1992, the Singapore Cooperation Programme (SCP) was established to bring together under one framework the various technical assistance programmes offered by Singapore. Through the SCP, the range and number of training programmes were increased to share Singapore's development experience with other developing countries.

To date, over 131,000 officials from more than 170 countries and territories have participated in our courses and study visits. The SCP is managed by the Technical Cooperation Directorate of the Ministry of Foreign Affairs, Singapore.

ITE Education Services

ITE Education Services (ITEES) is a wholly-owned subsidiary of the Institute of Technical Education (ITE) Singapore. ITEES was established in 2003 with the objective of sharing ITE's experience in Technical and Vocational Education and Training (TVET) with the international community. Over the past decade, ITEES has pooled together a wide spectrum of ITE core competencies and intellectual property to assist international organisations, government agencies, TVET institutions and private organisations to raise the quality of skills development and vocational training.

Course Objectives

The objectives of this course are to allow participants to gain an overall understanding on:

- Singapore's Skill Future Program, Industry Transformation Maps, Smart Industry Readiness Index, Priority Matrix, Skill Deepening Curriculum for full-time students and adult continual learning;
- Industry 4.0 transformation journey of ITE to create industry 4.0 technical training.

Synopsis

Topics to be covered include:

- Be introduced to key technologies in Industry 4.0, including Block Chain and Internet-of-Things
- Understand the transformative and disruptive potential of such technologies
- Understand the benefits and challenges of new technology developments to governments, industries and the workforce
- Understand the impact that Industry 4.0 has on the education sector with a specific focus on TVET
- Understand how the TVET sector will have to evolve and adapt in order to stay relevant and meet the demands of Industry 4.0

Methodology

This course will be delivered for up to **25 participants** through a 'blended' virtual classroom comprising a combination of **asynchronous e-Learning** (independent and self-study of online modules) and **synchronous e-Learning** ('live' e-learning sessions) on Microsoft Teams. There will be Q&A sessions and facilitated group discussions during the 'live' sessions.

Regulations

Participants are required to comply with the following:

- Strictly observe course schedules and not miss training sessions, and;
- Carry out instructions and abide by conditions as may be stipulated by the nominating Authority or Government and the Government of Singapore and its appointed trainer, with respect to the course.

Participants who attend at least 80% of the synchronous sessions of the course will receive a Certificate of Completion from the SCP.

Duration

The course will be held over 5 days from **19 to 23 October 2020**.

The '**Live**' e-learning sessions will be conducted on the following tentative timings (**Singapore time; UTC+08:00 hours**):

Day 1: from **1000** to **1600**

Day 2: from **1000** to **1800**

Day 3: from **1000** to **1800**

Day 4: from **1000** to **1900**

Day 5: from **1000** to **1900**

The above sessions include time reserved for individual and group-based course work. Actual timings will be provided in the programme schedule, which will be shared to successful applicants.

Participants are expected to complete the allocated pre-readings before attending the 'live' e-learning sessions. Prior to course commencement, ITEES training coordinator will brief participants on the rules of engagement (break time, attendance, punctuality, recording, Q&A).

Application Information

Applicants should be:

- Mid- to senior- level policymakers and officeholders involved in TVET policy and pedagogy design;
- Able to attend **all** the synchronous e-learning sessions. They will require an internet-enabled device with Microsoft Teams installed, and an internet-enabled device with functioning webcam, microphone and audio.
- Nominated by their respective Governments;
- Proficient in written and spoken English; and
- In good health.

Terms of Award

The course is sponsored by the Government of Singapore under the Singapore Cooperation Programme Training Award.

Application Procedure

(Closing date for nomination: **21 September 2020**)

The Government of Singapore is pleased to invite the respective National Focal Point for Technical Assistance (NFP) to nominate **one (1)** suitable applicant. Selection of candidates will be based on merit. Should there be more applicants than training places, the Government of Singapore seeks the understanding of the respective NFP in the event that its nominee(s) is not selected.

All nominees are to submit their applications online at <https://go.gov.sg/scptvet2020> by **Monday, 21 September 2020**. NFPs are also required to endorse nominees via email links. Instructions and FAQs for Applicants and NFPs can be found at the links below:

- Applicants: <https://go.gov.sg/start-guide>
- NFPs: <https://go.gov.sg/start-nfp>

Note:

- Participants who complete all course assignments and attend all 'live' e-learning sessions, will receive a certificate of completion from the SCP.

- Applicants should refrain from making telephone and email inquiries on the status of their applications.
- The **Ministry of Foreign Affairs, Singapore** will inform all applicants of the outcome of their applications. The NFP will also be informed directly.



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