

**INDIVIDUAL COURSE DETAILS**

ITEC Program on

**Sustainable Development Goal 4: Quality Education Achievement through TVET systems**

<b>A. Name of the Institute</b>	<p align="center"><b>National Institute of Technical Teachers Training and Research</b>  <b>Institution Deemed to be University under Distinct Category, A Centrally Funded Technical Institute</b>  <b>Ministry of Education</b>  <b>Government of India, Taramani, Chennai • 600 113.</b></p>
<b>B. Title of the Course</b>	<p align="center"><b>Sustainable Development Goal 4: Quality Education Achievement through TVET systems</b></p>
<b>C. Course Duration</b>	<p><b>Two weeks (Physical Mode)</b>   <b>3<sup>rd</sup> June 2026 to 16<sup>th</sup> June 2026</b></p>
<b>D. No. of days of Training</b>	<p align="center">14 days</p>
<p><b>E. Eligibility Criteria for Participants</b></p> <p>1. Educational Qualification</p> <p>2. Work Experience</p> <p>3. Age Limit</p> <p>4. Target Group</p>	<p>Graduate Degree/ Diploma in Science / Education / Management / in Engineering / Technology/TVET and good proficiency in spoken, written and comprehension of English.</p> <p>Working Experience related to Education / TVET / Technical Education / Vocational education / Industrial Education / Technical School / Polytechnic / University / Engineering College /Management Institute</p> <p>less than 55 years</p> <p>Government Policy Makers/ Administrators / Officials from the Ministry of Education / Higher Education / Technical Education / Vocational Education/ Human Resource Development / Labour Ministries / TVET related Ministries / Academic Leaders / Executives / Educational Administrators / Directors/ Heads / Senior Faculty of Institutions like TVET Institutes/ Vocational Colleges / Technical Schools / Polytechnics / Engineering Colleges / University Departments</p>
<b>F. Aims &amp; Objectives of the Course</b>	<p>Upon completion of the course, the participants would be able to</p> <ol style="list-style-type: none"> <li>i. Know the Sustainable Development Goals (SDGs): "Transforming our World: the 2030 Agenda for Sustainable Development."</li> <li>ii. Plan to achieve the Sustainable Development Goal 4: Quality Education related to TVET in their respective country</li> </ol>

	<ul style="list-style-type: none"> <li>iii. Improve Image Building of TVET</li> <li>iv. Aware of the Institutional Leadership and Management</li> <li>v. Plan to improve the programmes through the participation of industries (Industry Institute Partnership).</li> <li>vi. Comprehend the technologies of Industry 4.0/5.0</li> <li>vii. Develop guidelines for selection of students, teachers and equipping the institutes.</li> <li>viii. Improve Teaching and Learning Process</li> <li>ix. Outcome based Education (OBE)</li> <li>x. Use Information and Communication Technologies (ICT) applications in education and training</li> <li>xi. Know Recognition of Prior Learning(RPL)</li> <li>xii. Know the Quality assurance mechanisms through National accreditation/ International accreditation</li> <li>xiii. Generate process of creating a centre for excellence in technical and vocational education.</li> </ul>
<p><b>G. Details of Content of the Course / Training Schedule</b> (<i>topics covered</i>).</p>	<p><b>Skill India Mission</b> is a flagship government initiative aims to train over 40 crore people in industry-relevant skills, fostering a self-reliant ("Aatmanirbhar") workforce through various schemes, including PMKVY. It is an umbrella scheme that has many skilling schemes and programmes under it. The chief objective is to empower the youth of the country with adequate skill sets that will enable their employment in relevant sectors and also improve productivity.</p> <p>The <b>Sustainable Development Goals(SDGs) of United Nations (UN)</b> are the blueprint to achieve a better and more sustainable future for all. They address the global challenges we face, including those related to poverty, inequality, climate change, environmental degradation, peace and justice. The 17 Goals are all interconnected, and in order to leave no one behind, it is important that we achieve them all by 2030.</p> <p><b>Sustainable Development Goal 4</b> is about <b>quality education</b> and is among the 17 Sustainable Development Goals established by the United Nations in September 2015. The full title of SDG 4 is "Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all". By achieving SDG 4, we will be able to achieve SDGs 1, 2 and 3.</p> <p><b>TVET (Technical and Vocational Education and Training)</b> refers to all forms and levels of education and training which provide knowledge and skills related to occupations in various sectors of economic and social life through formal, non-formal and informal learning methods in both school-based and work-based learning contexts. To achieve its aims and purposes, TVET focuses on the learning and mastery of specialized techniques and the scientific principles underlying those techniques, as well as general knowledge, skills and values. TVET serves multiple purposes. A key purpose is preparation of youth for work. This takes the form of learning and developing work related skills and mastery of underlying knowledge and scientific principles.</p>

	<p><b>Topics to be covered:</b></p> <ol style="list-style-type: none"> <li>1. Process to achieve Sustainable Development Goals (SDGs) related to TVET</li> <li>2. New sectors for Skill Development</li> <li>3. <b>Skill India Mission (Govt. of India initiative)</b></li> <li>4. Image Building of TVET</li> <li>5. Leadership and Management</li> <li>6. Instructional Design and Delivery Systems</li> <li>7. Outcome Based Education (OBE)</li> <li>8. Information and Communication Technologies (ICT) applications in education and training</li> <li>9. Guidelines for evaluation of Quality in planning and implementing various programmes in technical and vocational education.</li> <li>10. Industry 4.0/5.0</li> <li>11. Quality Assurance through National / International accreditation like Asia Pacific Accreditation and Certification Commission (APACC).</li> <li>12. Process of creating centre for excellence in TVET education through the assistance of National/ International Development Agencies</li> <li>13. Industry Institute Partnership</li> </ol> <p><b>International Seminar, Field Visits &amp; Cultural Visits</b></p>
<p><b>H. Mode of Evaluation of Performance of the ITEC Participant</b></p>	<p>Preparation of country specific assignments, development proposals and detailed project proposals for getting approval from international development agencies; seminars based on the project works.</p>
<p><b>I. Platform for delivery of online course (wherever applicable)</b></p>	<p><b>Not applicable. Only Physical Mode</b></p>
<p><b>J. Name of the Department</b></p>	<p>Centre for International Affairs, NITTTR, Chennai</p>
<p><b>K. Name of Coordinator</b></p>	<p><b>Prof. Dr. G. Kulanthaivel</b></p> <p>Prof. Dr. G. Kulanthaivel, Professor &amp; Head, Dept. of Electronics and Communication Engineering and Former Dean, International Affairs, National Institute of Technical Teachers Training &amp; Research, Ministry of Education, Government of India, Chennai, India received his Ph.D. degree in Information and Communication Engineering from Anna University, Chennai. He completed his Master's degree in Microwave and Optical Engineering from Madurai Kamaraj University and Bachelor's Degree in Electronics and Communication Engineering from University of Madras. He has also obtained his Master's degree in Business Administration (M.B.A.) from TNOU, India. He is having experience of 32 years out of which around 30 years in training of technical teachers in India and abroad. He has worked in Colombo Plan Staff College (CPSC), Manila, Philippines as Faculty Consultant &amp; Chairman of the Information and</p>

	<p>Communication Technology Division for nearly four years on Government of India deputation. He has also acted as Acting Director General of CPSC and Acting President of APACC for more than one year. He is an Accreditor for Asia-Pacific Accreditation and Certification Commission (APACC), Philippines from 2014.</p> <p>His area of interest includes Industry 5.0, Biomedical Engineering, Telemedicine, Computer Networking, Communication Engineering, IoT and Cyber Physical Systems, Virtual Instrumentation, ICT applications in Education and Training, TVET, Accreditation, Instructional Design and Delivery Systems. He has published/presented more than 100 papers in the National/International Journals/Conferences/Seminars. He has visited around 20 countries (Bangladesh, Bhutan, Brunei, China, Dubai, Fiji, Hong Kong, Indonesia, Laos PDR, Malaysia, Maldives, Mongolia, Myanmar, Nepal, Pakistan, Philippines, Singapore, South Korea, Sri Lanka and Thailand) and conducted different Quality Improvement Programs. He has received many awards from different Organizations. He is member of many International/National Professional bodies.</p>
<p><b>L. Resource persons</b></p>	<p>Faculty members of NITTTR Chennai  Experts from Academic Institutes / Universities  Industry experts</p>

## ITEC Program on

# Sustainable Development Goal 4: Quality Education Achievement through TVET systems

## COURSE PROFILE

The **Sustainable Development Goals (SDGs) of United Nations (UN):** The *2030 Agenda for Sustainable Development*, adopted by all United Nations (UN) members till 2030, created 17 world **SDGs**. The aim of these **global goals** is "peace and prosperity for people and the planet". SDGs are the blueprint to achieve a better and more sustainable future for all. They address the global challenges we face, including those related to poverty, inequality, climate change, environmental degradation, peace and justice. The 17 Goals are all interconnected, and in order to leave no one behind, it is important that we achieve them all by 2030.

**Sustainable Development Goal 4** is about **quality education** and is among the 17 Sustainable Development Goals established by the United Nations. The full title of SDG 4 is "Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all". By achieving SDG 4, we will be able to achieve SDGs 1, 2 and 3.

**TVET (Technical and Vocational Education and Training)** refers to all forms and levels of education and training which provide knowledge and skills related to occupations in various sectors of economic and social life through formal, non-formal and informal learning methods in both school-based and work-based learning contexts. To achieve its aims and purposes, TVET focuses on the learning and mastery of specialized techniques and the scientific principles underlying those techniques, as well as general knowledge, skills and values. TVET serves multiple purposes. A key purpose is preparation of youth for work. This takes the form of learning and developing work related skills and mastery of underlying knowledge and scientific principles.

**Skill India Mission** is a flagship government initiative aims to train over 40 crore people in industry-relevant skills, fostering a self-reliant ("Aatmanirbhar") workforce through various schemes, including PMKVY. It is an umbrella scheme that has many skilling schemes and programs under it. The chief objective is to empower the youth of the country with adequate skill sets that will enable their employment in relevant sectors and also improve productivity. There is a drastic need for academicians in different parts of the world to be competent in their teaching abilities, knowledge, and be encouraged to upgrade their skills.

Once the International participants develop the skills and values needed for TVET, they will be able to integrate the TVET skills in their country. In turn, the Trainees will train more officials/ faculty members/ students in their country. It is therefore, imperative to understand that training and development do not only enrich academic skills and performance of academics in their core disciplines, but these developmental programmes also motivate faculty to work towards reaching the set goal of the institution. It is planned to organize International Seminar(s) and develop skills of few participants to present during the Seminar.

This training program will be delivered in the cutting-edge technologies, imparting high pedagogical skills, capacitating and developing academic staff in terms of technical skills and providing internationally recognised teaching and learning methods/ techniques, which are critically needed to support the development of new curriculum and sustainability of teaching and learning within the institution. Our Institute four weeks programs made significant contributions to implement technological innovations by the International participants in their respective institutions through gained knowledge and equipped the human resources to deliver effective courses in their respective domains across different parts of the world.

In view of the above and to develop the adequate skills to the participants, it is requested to consider to have two weeks Program for this ITEC Program on "Sustainable Development Goal 4: Quality Education Achievement through TVET systems".