ITE TECHNICAL ENGINEER DIPLOMA IN

ELECTRICAL ENGINEERING (CLEAN ENERGY)

In collaboration with

Baden-Württemberg

MINISTERIUM FÜR KULTUS, JUGEND UND SPORT

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BENEFITS

Opportunities to participate in student exchange programme to Germany.

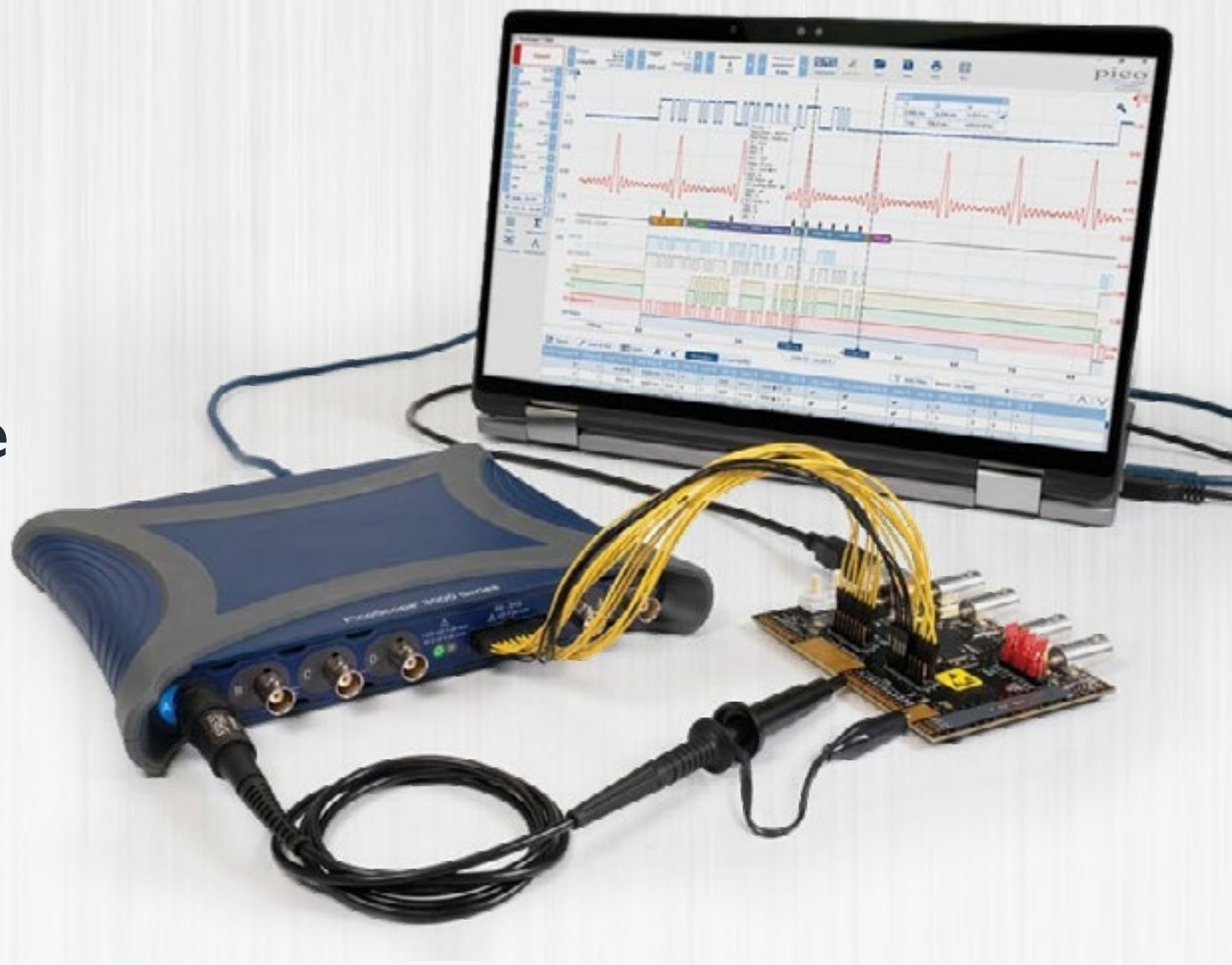
Quality curriculum delivery based on German pedagogy.

Recognition for local Electrical Technician's licence application.

Technical Engineer Diploma (TED) certificate from Ministry of Education, Youth and Sports (MEYS), Baden-Württemberg, Germany, conferring the qualification of State-Certified Technical Engineer, together with a joint transcript issued by MEYS and ITE.

ACADEMIC PATHWAYS*

You can progress to study related degree programmes at Singapore Institute of Technology (SIT), Singapore University of Social Sciences (SUSS) or the Universities of Applied Sciences in Germany.



CAREER OPPORTUNITIES

This TED is your pathway to an exciting career in the energy and built environment sectors. Job options include roles like Assistant Engineer, Supervisor, etc.

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* Applicants are required to meet the minimum entry requirements specified for the course, as stipulated by the respective universities for admission.

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WHY THIS COURSE?

The ITE Technical Engineer Diploma in Electrical Engineering (Clean Energy) prepares you to support Singapore's sustainable development. You will be equipped with skills and knowledge to perform design, installation, maintenance, testing and commission of electrical and clean energy technologies such as solar photovoltaic system, battery energy storage system, electric vehicle charging system, smart grid, etc.

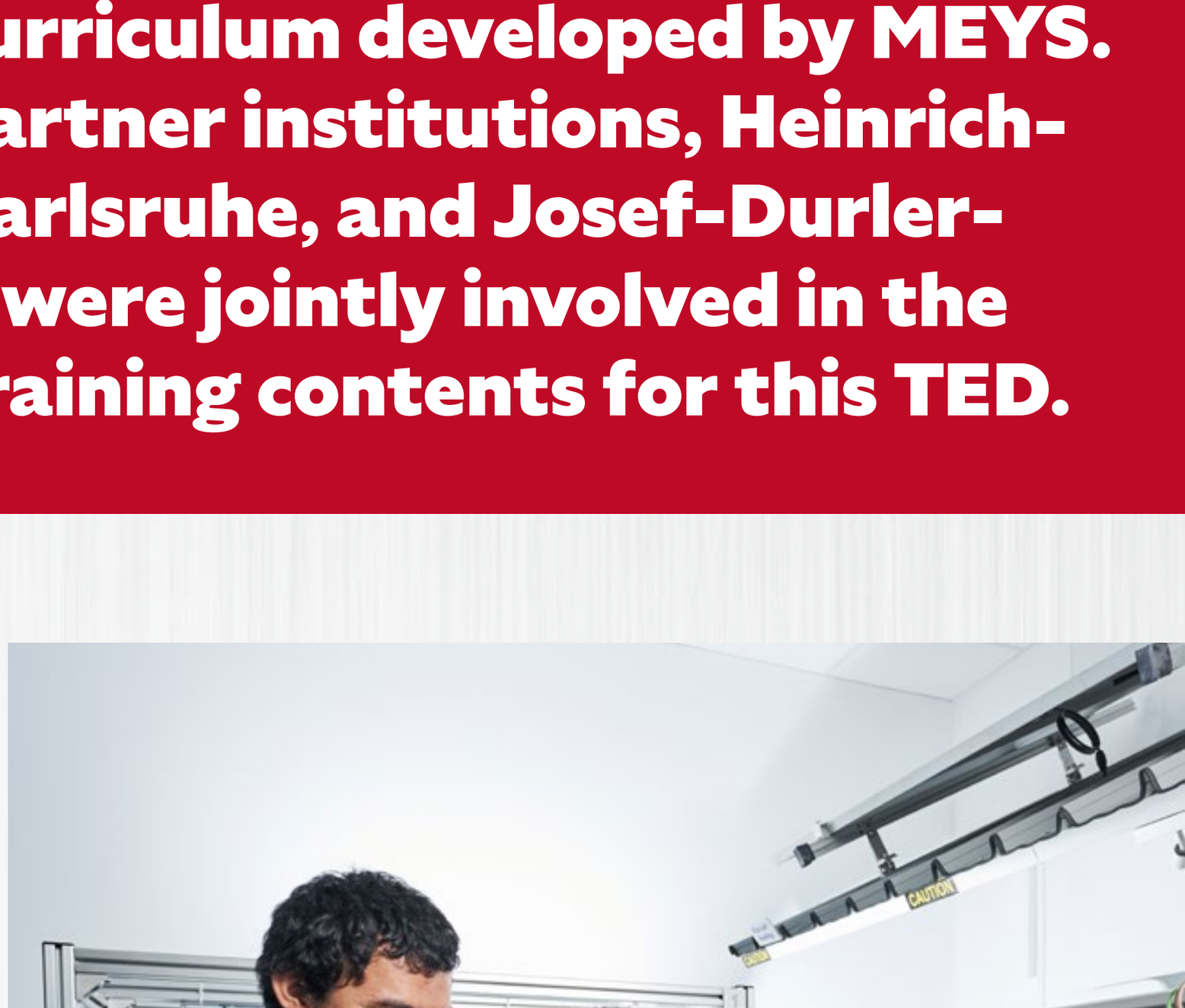
A practice-based curriculum developed by MEYS. Our prestigious partner institutions, Heinrich-Hertz-Schule, Karlsruhe, and Josef-Durler-Schule, Rastatt, were jointly involved in the development of training contents for this TED.

Venue

ITE College East

Duration

2 years
of full-time institutional training



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WHO CAN TAKE UP THIS COURSE?

Singapore Citizens and Permanent Residents with the following ITE qualifications may apply

GPA of 2.0 and above

- *Higher Nitec* in AI Applications
- *Higher Nitec in* Civil & Structural Engineering Design
- *Higher Nitec* in Electrical Engineering
- *Higher Nitec* in Electronics Engineering
- *Higher Nitec* in Engineering with Business
- *Higher Nitec* in Facility Management
- *Higher Nitec* in Facilities Management & Engineering
- *Higher Nitec* in Integrated Mechanical & Electrical Design
- *Higher Nitec* in Marine & Offshore Technology
- *Higher Nitec* in Marine Engineering
- *Higher Nitec* in Mechanical Engineering
- *Higher Nitec* in Mechatronics Engineering
- *Higher Nitec* in Offshore & Marine Engineering Design
- *Higher Nitec* in Rapid Transit Engineering
- *Higher Nitec* in Robotics & Smart Systems
- *Higher Nitec* in Vertical Transportation

GPA of 3.0 and above

- *Nitec* in Aerospace Avionics
- *Nitec* in Aerospace Technology
- *Nitec* in Built Environment (Mechanical & Electrical Services)
- *Nitec* in Built Environment (Vertical Transportation)
- *Nitec* in Electrical Technology (Lighting & Sound)
- *Nitec* in Electrical Technology (Power & Control)
- *Nitec* in Electronics, Computer Networking & Communications
- *Nitec* in Mechanical Technology
- *Nitec* in Mechatronics & Robotics
- *Nitec* in Rapid Transit Technology

Applicants with qualifications not listed above can be considered on a case-by-case basis.

Applicants with at least 1 year of relevant work experience can be considered for admission if they meet the following academic requirements:

- Relevant ITE CET *Higher Nitec* in Technology (GPA of 2.0 and above)
- Relevant ITE CET *Nitec* in Technology (GPA of 3.0 and above)
- Relevant Workforce Skills Qualification (WSQ) diplomas and Level 6 WSQ Workplace Literacy and Workplace Numeracy

Working adults with at least 2 years of relevant work experience can be considered for admission

Shortlisted applicants must attend an interview and pass an aptitude test, and be free from colour appreciation deficiency for admission

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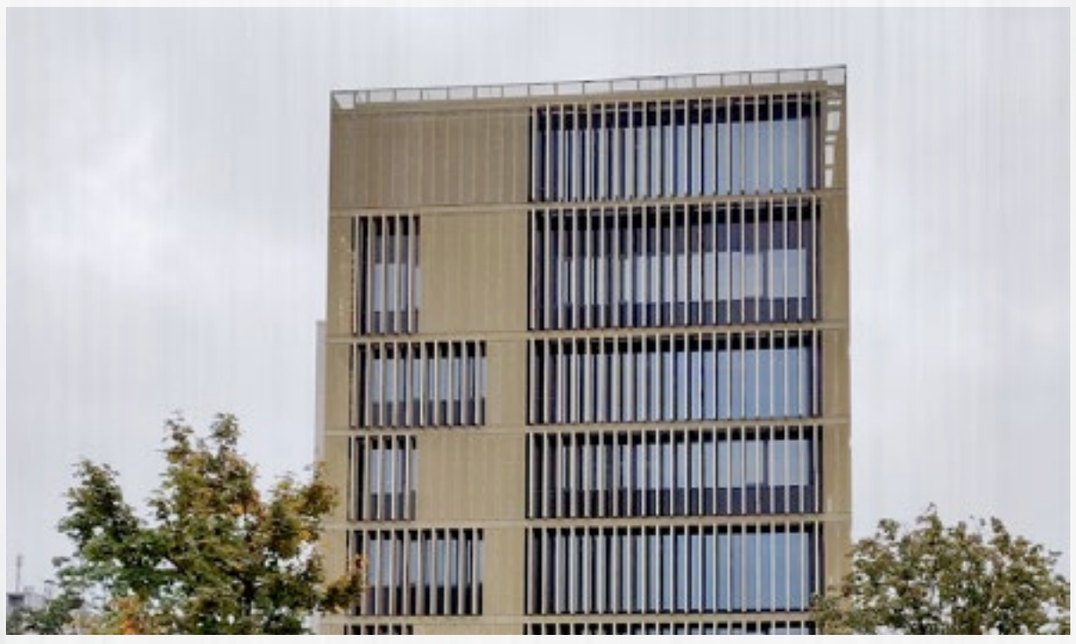
"This course is relevant for those with a keen interest in the energy sector. It provides the knowledge and skills for relevant areas such as solar PV systems, battery energy storage systems, and smart grids. It also opens the career pathway for graduates to become a licensed electrical technician who oversees the safe design, installation, operation and maintenance of electrical systems across our residential, commercial, and industrial facilities. It is where one can impact the way we power our world safely. As we move towards our clean energy future, there are many opportunities to be part of the energy transition."

MS VIOLET CHEN
Director
Energy Capabilities Development Department
Energy Market Authority

ABOUT MINISTRY OF EDUCATION, YOUTH AND SPORTS (MEYS), BADEN-WÜRTTEMBERG, GERMANY



Heinrich-Hertz-Schule, Karlsruhe

Baden-Württemberg is especially known for its strong economy with various industries like car manufacturing, electrical engineering, mechanical engineering, and more. Heinrich-Hertz-Schule, Karlsruhe, and Josef-Durler-Schule, Rastatt, are vocational schools in Baden-Württemberg with a strong focus in the field of Electrical Engineering.

Josef-Durler-Schule, Rastatt

Their location in Baden-Württemberg supports the energy and power-related industries in the region, and both schools have internationalisation programmes with countries like France, Spain, China, South Korea, Vietnam, etc.

www.baden-wuerttemberg.de

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