



SDF Funding

Employers who wish to apply for SDF funding must submit the SDF Form 1 to SDF at least one working day before course start date.

Download the form at www.sdf.gov.sg or request for a copy by calling the SDF Hotline on 68835885.

Registration & Payment

- Walk-in at the Customer Service Centres
- Apply online at www.ite.edu.sg/cet/sc/online.htm
- Post the application form to us

Payment is required for confirmation of place. Crossed cheques should be made payable to 'Institute of Technical Education. At the back of the cheque, please write your name, NRIC/FIN, course title and contact number.

Closing date: 1 month before course start date or when the class is full.

Withdrawal & Deferment

Withdrawal or deferment notice must be made in **writing**:

- 2 weeks or more before course start date - Full refund
- Less than 2 weeks before course start date - 50% refund
- On or after course start date - No refund

In the event that the course is cancelled due to unforeseen circumstances, full refund will be given.

Power Quality Troubleshooting

Objective

This course provides participants with the background and information needed to investigate and solve power quality problems related to events on the power system and the response of equipment within end user facilities. They are trained to use monitoring tools to measure power quality (PQ) in an electrical power installation. They should also be able to explain the various sources of power quality problems and their mitigation techniques.

Who Should Attend

Technicians, plant maintenance and estate maintenance personnel who are involved in dealing with today modern power electronics equipments and appliances which had injected power quality interference into Power systems.

Content

- State the importance of power quality in an electrical power system
- Explain the power quality problems and their effects on electrical / electronics equipment
- Explain the term "Harmonics" and list the source of harmonics
- State the effects of harmonics on power system
- Measure True RMS voltages and currents, Total and Individual Harmonics distortion at the input and output wiring of the following equipment :
 1. Variable speed drive
 2. Computers & other electronics loads
 3. Un-interruptible power supply
 4. Fluorescent lighting
- Explain the methods of solving power quality problems

Course Details

- Duration : 21 hours (3 sessions)
- Total fee : \$350 (inclusive of GST and registration fee)
- Schedule : See our website for details or call us for more information