



## 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](http://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](http://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.

# Industry Automation Fundamentals

## Objective

This course aims to equip people who wish to have a basic knowledge of automated systems works.

## Who Should Attend

For production supervisors, technicians and trainers working in relevant industries, who want to have a basic knowledge on how automated systems work.

## Content

- Explain how compressed air can be used to do work and also its production and purification.
- Understand the construction and the functions of the components in pneumatic control systems.
- Draw some simple pneumatics circuits based on some of the requirements given and connect them physically.
- Understand the construction and the functions of the components in electro-pneumatic control systems.
- Draw some simple electro-pneumatic circuits based on some of the requirements given and connect them physically.
- Understand the structure and operation of PLC.
- Understand the hardware configuration of PLC.
- Develop their ability in program writing and programming of PLC.
- Understand what are the basic components of a typical industrial robot and some of its uses in the industries automation.
- Understand what is SCADA (supervisory control and data acquisition) and its uses for monitoring and controlling of a plant or equipment in industries.

## Course Details

- Duration : 21 hours (3 hands-on sessions)
- Total fee : \$500 (inclusive of GST and registration fee) (SDF Funding is available)
- Schedule : See our website for details or call us for more information