



## 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.

# FUNDAMENTALS OF HYDRAULICS

## Objective

To provide participants with basic skills and knowledge on hydraulics.

## Who Should Attend

Technical personnel dealing with hydraulic instrument/equipment but with little or no basic skills and knowledge.

## Content

- Explain the principles of hydraulics
- Describe the construction of a hydraulic fluid reservoir
- Outline the function and properties of a hydraulic fluid. Describe the use and applications of components to maintain it in a clean and cool condition.
- Describe the operation and applications of hydraulic pumps, accumulators and intensifiers
- Describe the operation and applications of hydraulic control valves and actuators
- Analyse basic hydraulic circuitry with ISO symbols
- Connect, troubleshoot and test basic hydraulic circuits on hydraulic trainers
  - Pump characteristics
  - Directional control of single and double acting cylinder
  - Positioning and counter-balancing
  - Speed control and regenerative circuits
  - Hydraulic flow resistance

## Course Details

- Duration : 27 hours (9 sessions)
- Total fee : \$380 (inclusive of GST and registration fee)
- Schedule : See our website for details or call us for more information