



## ELECTRICAL INSTALLATION BUS/KONNEX (EIB/KNX) CERTIFICATION FOR ITE GRADUATES

### What is EIB Technology?

Demands on electrical installations of modern residential and utility buildings have become more sophisticated, not only in terms of functional diversity and convenience but also in economical operation, flexibility, reliability and safety. With the conventional electrical installation, it is impossible to meet such demanding requirements with minimum planning and installation cost.

The Electrical Installation Bus (EIB) technology system is a decentralised data bus system for flexible operations management in utility and residential buildings. This new technology, which is revolutionising electrical installations, is easy to understand and apply. It requires only a bus line along which all bus devices may communicate.

This in turn brings the benefits of:

- Increased economy of scale
- Minimize installation and maintenance cost
- Lower fire risk

### Objective

This course aims to introduce participants to the idea behind such a bus technology. Through lectures and hands-on exercises supported by ETS software package, participants will be exposed to the criteria and procedure for the planning, projecting and commissioning of electrical installation using the EIB system and to open up new perspectives in the electrical trades.

### Who Should Attend

For those who have either a Nitec in Electrical Technology (EIB Elective) or Post-Nitec in EIB Course.

### Content

Introduction to EIB System (4 hrs)

- EIB system structure, terminology and fields of application
- Bus devices and components
- Topology, telegram structure and technology
- Advantages of using EIB system

Project Planning, Design and Commissioning - Hands-On Exercises (16 hrs)

- Project planning of a building to control lighting, blind/shutter and monitoring
- Creating building structure, device address, task, command allocation and logical operations on a PC using the ETS software
- Insert devices and using the diagnostic tools to check faults and error corrections

### Course Details

- Duration : 20 hours (4hrs Theory & 16hrs Practical)
- Total Fee : \$430 (inclusive of GST and registration fee)
- Schedule : See our website for details or call us for more information



# SHORT COURSES PROGRAMME

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## SDF Funding

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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

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- 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

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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.

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