UNIVERSITI TUNKU ABDUL RAHMAN
Wholly owned by UTAR Education Foundation

www.utar.edu.my

▼ Date . Time . Fee ▶

9 & 10 September 2020

9am to 5pm

Discounts
- 25% for UTAR Confirmed Staff
- 10% for UTAR/TAR UC Alumni
- 10% for organisations that send three or more participants

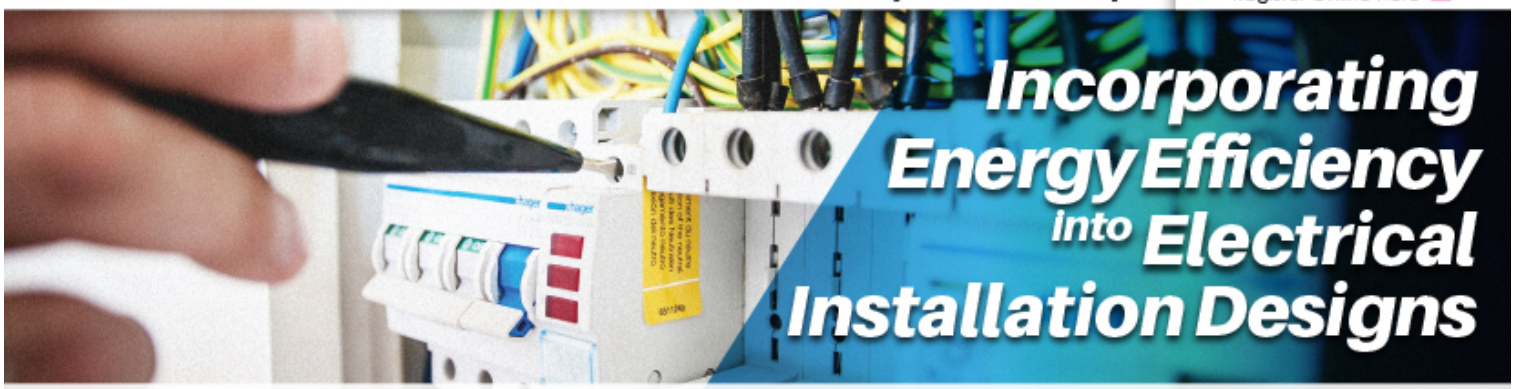
Each participant is entitled to one discount only

RM480.00

(Fees are inclusive of 6% service tax)

2 Days Workshop

Register Online Here



Incorporating Energy Efficiency into Electrical Installation Designs

The IEC 60364-8-1 Energy Efficiency in LV Electrical Installations aims to set out the minimum design requirements on energy efficiency of electrical installations. The aim of this course is to provide guidance notes to compliance with the IEC 60364-8-1 standard and draw attention to electrical installation designers & operators to generally recommended practices for energy efficiency and conservation on the design, operation & maintenance of electrical installations. It is hoped that designers will not only design installations that would satisfy the minimum requirements stated in the Electrical Code, but also pursue the minimum requirements.

OBJECTIVES

- Understand the energy efficiency requirements for electrical installation designs
- Understand the power distributions and losses
- Understand the framework of IEC 60364-8-1
- Understand the electrical installation efficiency classes
- Understand the importance of power quality to energy efficiency
- Understand the fundamentals of cogeneration and solar power plants

Suruhanjaya Tenaga
Energy Commission

8 CDP points claimable

CONTENTS

- Overview of electrical installations
- Framework of IEC 60364-8-1 Energy Efficiency in Low Voltage Electrical Installations
- Electrical Installation Efficiency Classes (EIEC) and evaluation criteria
- Efficient Transformers
- Wiring systems
- Efficient Lighting
- Efficient Heating, ventilation, and air conditioning (HVAC) system
- Power factor improvement
- Harmonics and its solutions
- Load profiles analysis
- Cogeneration
- In-plant solar power system

TARGET AUDIENCE

Registered Electrical Manager, Electrical Engineers, Mechanical Engineers, Electrical and Mechanical technicians

TRAINER

Certificate of Attendance awarded by Universiti Tunku Abdul Rahman

Dr Chua Kein Huat is a PSMB Certified Trainer and currently an Assistant Professor in Department of Electrical and Electronic Engineering at Universiti Tunku Abdul Rahman. His research interests include the applications of energy storage system, energy management system, energy audit, power protection systems, and fuzzy logic control. He is a Certified Electrical Energy Manager and a Registered Electrical Energy Manager (REEM) with Energy Commission since 2017. He is currently the associate editor for Journal of Electronic Science and Technology (indexed by SCOPUS).

CONTACT US

Ms Hema

+603 9019 8088
+603 9019 3880
+6012 647 6555
cccd@utar.edu.my
cccd.utar.edu.my

facebook.com/UTARCCCD
twitter.com/CccdUtar
UTAR Sungai Long Campus
Jalan Sungai Long
Bandar Sungai Long
Cheras, 43000 Kajang
Selangor Darul Ehsan

CENTRE FOR CORPORATE & COMMUNITY DEVELOPMENT