

# DISTRIBUTION PLANNING IN POWER UTILITY

12 – 15 JULY 2022



Organised by :

 11:00 -17:00 Malaysia (GMT +8) |  Digital Learning (Webex)



This course covers the guidelines and case studies on Distribution Network Planning. Participants will be guided to understand the voltage regulation, voltage drop effects, cause of it, and voltage drop calculations.

## Course Objectives :

This course covers the guidelines and case studies on Distribution Network Planning.

Participants will be guided to understand the voltage regulation, voltage drop effects, cause of it, and voltage drop calculations.

## Target Participants:

Engineering background

## Course Content :

Topics to be covered in the training program include:

- Statutory Requirement & Compliance
- Supply Quality
- Low Voltage System Design
- Meet Ultimate Loading
- Volt-drop Analysis
- Cost & Losses
- LV Network Configuration
- LV Protection
- LV Planning Standard & Criteria
- LV Planning & Procedures
- Planning Cycle in MV Supply System
- MV Network Configuration
- Overview of Distribution System Protection
- System Fault Level
- Distribution Technical Losses
- Case Study
- Power System Simulation Software

## ABOUT TNB ILSAS

**TNB Integrated Learning Solution:** ILSAS is a premier technical training institute committed to providing excellence in training and services. In line with that, ILSAS works with experts in power utility engineering and a complete range of facilities. ILSAS is a wholly-owned subsidiary of Tenaga Nasional Berhad, Malaysia's largest power utility company.

We do it with the latest teaching methods, a vast pool of qualified and experienced trainers, having access to effective training tools and high-investment environments, and in full accordance with global industry standards, technological and regulatory.

More about us in [www.tnbilsas.com.my](http://www.tnbilsas.com.my)

# ABOUT MTCP

The Malaysian Technical Cooperation Programme (MTCP) was officially launched on 7 September 1980 at the Commonwealth Heads of State Meeting in New Delhi, India, to signify Malaysia's commitment to the South-South Cooperation, in particular, the Technical Cooperation among Developing Countries (TCDC).

The MTCP emphasizes on the development of human resources through the provision of training in various areas which are essential for a country's development such as agriculture, economy, finance, public management and administration, science & technology and ICT, health diplomacy, safety and security including cyber security, cultural diplomacy, social development, environment-related to SDG2030, education, industrial and technical training.

Annually, Malaysia offered more than 60 technical and capacity-building programs under the MTCP, which have benefited more than 35,500 participants from 144 countries.

## Objectives of MTCP

- To share the development experience with other countries;
- To strengthen bilateral relations between Malaysia and other developing countries;
- To promote South-South Cooperation (SSC); and
- To promote technical cooperation among Developing Countries.

## Application :

- The course fees are **fully sponsored** by the Government of Malaysia.
- **Applications should be made using the prescribed MTCP forms available at [http://mtcpcoms.kln.gov.my/mtcpcoms/upload/MTCP\\_2022\\_ApplicationForm.pdf](http://mtcpcoms.kln.gov.my/mtcpcoms/upload/MTCP_2022_ApplicationForm.pdf)**
- MTCP application forms can also be obtained from the nearest Malaysian Embassy/High Commission in recipient countries.
- All application forms must be duly completed and endorsed by the Ministry of Foreign Affairs or National Focal/Aid Coordinator Agency in the respective countries and submitted **ONLY** through the diplomatic channel via the Embassy/High Commission of Malaysia.
- **Only successful applicants will receive the Official Invitation notification one (1) week from the course date, by the Training Institute via email.**
- **Application closing date : 10 June 2022**

## Terms of Award :

- A degree holder / technical background
- Minimum working experience of 1 year
- Must have a minimum 1 year experience in utility industry
- Good command of English –spoken &written

## Coordinator:

Noor Azmi Sulaiman  
[noorazmis@tnb.com.my](mailto:noorazmis@tnb.com.my)

Jaslina Hamid  
[jaslinah@tnb.com.my](mailto:jaslinah@tnb.com.my)

TNB INTEGRATED LEARNING SOLUTION– ILSAS  
Jalan IKRAM-UNITEN,  
43650 Bandar Baru Bangi,  
Selangor, Malaysia.

General Phone: +603-89227222



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