

# TRANSTECH SOLUTIONS OCCUPATIONAL SAFETY & HEALTH TRAINING & CONSULTANTS LLC.



*"Solutions Through Innovations"*

## Advanced Microprocessor Based Power System Protection 5 Days Training



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**TSLOSHTC a Training Provider with a Mission**

## Course objectives

- Efficient and Safe Power Protection systems are vital to ensure no overload may occur and a smooth current is maintained at the level determined for the demand required.
- Safety systems also demand the highest standards of operations and maintenance and therefore Relay Protection Systems play a large part in the Electrical Power Process.
- Protection system's main function is to clear faults from the power system in high speed to: enhance people's safety and minimize equipment damage and maintain power system stability.
- Protection of power systems requires an understanding of system faults and their detection, and the safe isolation of the faulted device from the system.
- This 5 days course is designed to inform participants how Power systems operate & and safely maintain protection Systems.

## Course Outline

- AC Breaking & Fundamentals of Short circuit
- Switchgear Overviews
- Introduction to Protective systems
- Protection Schemes
- Co-ordinated Distribution Networks
- Relaying Testing, Maintenance & Failure Analysis

## Who Should Attend

The course is designed for:

- Managers
- Engineers
- Technicians responsible for the operation
- Maintenance of distribution equipment who will benefit from sharing experiences in the planning, organization,
- And implementation of maintenance activities.

## Course Methodology

The course is designed to maximize delegate benefit from the outset. The goals of each participant are discussed to ensure their needs are fulfilled as far as possible. Questions are encouraged throughout particularly at the daily wrap up sessions. This provides opportunities for participants to discuss specific issues and if possible find appropriate solutions. Case studies are employed to highlight particular points and appropriate video material used to illustrate particular conditions.

## Assessment & Certification

All candidates that pass the written assessment shall receive a Certificate for successfully completing the Advanced Microprocessor-Based Power System Training. Others will be provided with attendance certificates

## Our Instructor

All our instructor have 30+ years' experience and high degree such as:

- Master's degree,
- Doctoral degree
- Professional degree.

## Course Prerequisite

- English Language (Average Fluency)
- Basic Electrical Engineering (Preferable)

## Venue

5 Stars Hotel in Abu Dhabi, or Dubai  
and Available Online as per your requisite

## Duration

5 Days Training

## Course Language

- English
- Arabic



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