

## Online Training Program in Functional Safety Certified Professional – Level 1 In accordance with IEC 61508/ IEC 61511(Unaccredited)

Date: 25th to 28th May 2021, Time: 9.30am to 5.30pm



### Course Features

New technologies and the increasing number of functions within products mean that manufacturers have to develop more and more safety-relevant systems. This not only leads to an increase in the number of electronic components - the components and systems themselves are more complex and requirements as to their safety are becoming more stringent. Safety standard IEC 61508 stipulates that organizations must ensure that persons entrusted with tasks related to functional safety have a sufficient level of competence and also that they are suitably qualified. Since the publication of IEC 61508, therefore, employers have been urgently seeking trained and qualified personnel who can demonstrate their competence and professionalism.

Our 4 Day Training & Examination Programme provide detailed information, example and discussion for understanding and mastering the requirement of IEC 61508/ IEC 61511 Functional Safety.

### Course Objectives

The Main Objective of the course is to provide each of the professionals to Design and Implement Functional Safety with applicable codes and Standard's with respect to IEC 61508 & 61511. The course provides the overview on the Safety requirement of the Plant with Respect to Process Safety, Risk Analysis, HAZOP, Design of Safety Instrumented system by Control Engineer with Installation, Commissioning, and Operation & Maintenance

### Who should attend?

- System Integrator and Engineering Consultant
- Control & Instrument Engineer
- Process Safety Engineer
- Manager of Engineering Department
- Loss Prevention Professional
- Plant Risk Analysts
- Reliability professionals
- Sales Manager and Engineer on Safety Products
- End User's companies who own and operate the process Plants.

**Duration** : 8 Hours including break of 1 hour

**Registration Fee** : Rs.45,000 + 18 % GST

To know about all our Online Training Programs scan adjacent QR Code

**To Register and Pay** : [Click Here](#)

Registered & Head Office-

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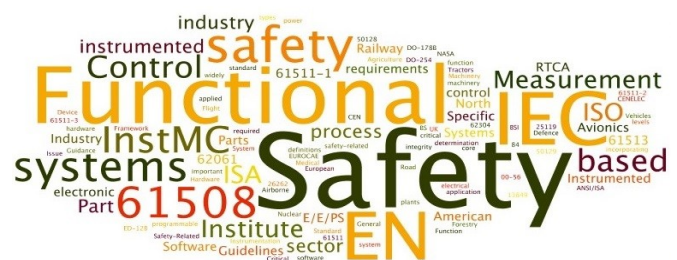
All our Online Training Offerings are for the resident of India & Sri Lanka Only.

### Course Contents

- Introduction to Functional Safety.
- Safety Instrumented system (SIS)
- Basics of Functional Safety
- Safety Life Cycle Concept
- Safety Integrity Level
- SIL Assessment and Verification
- Process Hazard & Risk Analysis
- Risk Reduction Analysis Techniques
- Layer of Protection Analysis (LOPA), HAZOP, FMEA,FTA & ETA
- Tolerable Risk
- Safety Requirement Specification (SRS)
- Functional Safety Standards IEC 61508 & 61511
- Hardware Design
- Software Design
- Operation & Maintenance

### Prerequisite/Prior Knowledge

- Minimum 3 years' experience in the field of Functional Safety and other related areas in the field of Safety.
- University degree either Masters' or Bachelor's in Engineering



### Issue of Certificate

Certificate of successful completion shall be issued to all the delegates who attend entire duration of the course and pass the online exam.



**TÜV NORD GROUP**

Expertise for your Success

# TUV India's Customer Friendly Mobile App

## TUV INDIA TRAINING ACADEMY (TITA)



**Our user friendly mobile application is developed to provide constant connect with our customers and participants along with hands-on information about the latest offerings of TUV India Training Academy. The app is also apprising the users on diverse service portfolio of TUV India along with latest developments related to our company.**

Some of the highlights of our app are:

- Available on Android- Google Play Store & iOS Apple Store
- Provides overview about TUV India (TUV NORD GROUP), our services and latest developments
- Details about TUV India Training Academy offerings
- Training Schedules – both Class Room and Online Trainings
- \* For each training, the app provides Course Features, Who should attend, Course Contents, Pre-requisites etc
- \* Link for Registering for the course of choice with integrated payment gateway
- \* Payment History (Receipts, Invoices)
- \* Certificates for attended programs based on user eligibility
- \* Notifications related to new offerings and sessions
- \* Contact us with linked email or phone (toll free number)
- \* Individual User Profile



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