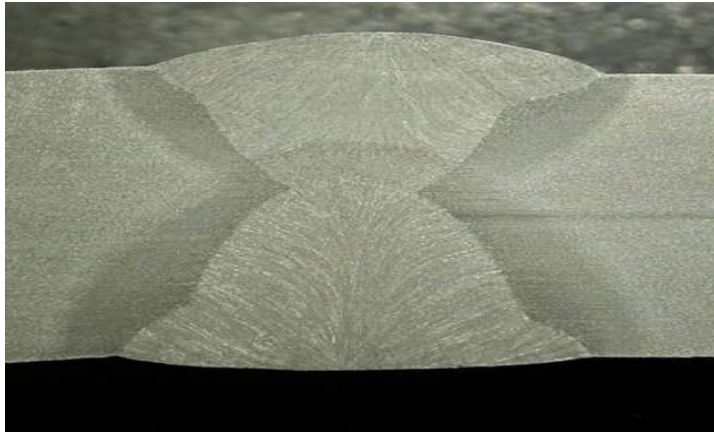


## Webinar for Basics of Welding Metallurgy

Date : 17th Apr'2021 Time: 10.00am to 1.00pm



### Course Features

It is essential to understand the basic principles that govern the evolution of microstructure during welding, Since the cracking susceptibility of welded structures is a function of microstructure environment and applied stress. This introductory course provides the basic concepts of welding metallurgy and to interpret failures in welded components.

### Course Objectives

This course helps to understand basics of Welding Metallurgy which plays important role in most of the production activities. It is very important to have this knowledge to ensure the quality of the product is met as per your customer requirement

### Who should attend?

- ♣ Welding Engineers, QA / QC, Production Engineers and Manager,
- ♣ Representatives of Inspection agencies
- ♣ Representatives of all sectors (Pressure vessels, Structural, Manufacturing etc.) of Industry where welding is used as joining process

### Issue of Certificate

Certificate of successful attendance shall be issued to all the delegates who attend entire duration of the course.

**Registration Fee : Rs. 1,500 + 18 % GST Per Participant**

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

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

### Registered & Head Office-

801, Raheja Plaza I, LBS Marg, Ghatkopar (W), Mumbai 400 086

Email: [trainingindia@tuv-nord.com](mailto:trainingindia@tuv-nord.com) Tel: +91-22-66477000

Website: [www.tuv-nord.com/in](http://www.tuv-nord.com/in)

Toll Free: 1800-209-0902

TÜV®

### Course Contents

**Welding Metallurgy Principles of fusion welds which includes :**

- ♣ Regions of fusion zone
- ♣ Solidification of Metals
- ♣ Macroscopic Aspects of Weld Solidification
- ♣ Effect of Travel Speed and Temperature Gradient on Weld pool shape
- ♣ Microscopic Aspects of Weld Solidification

**Welding defects which includes :**

- ♣ Fabrication related defects i.e. Hot cracking ,Warm cracking ,Cold cracking, Process control and others
- ♣ Service related defects i.e. Hydrogen induced, Environmentally induced, Fatigue ,Creep etc.



**Duration:** 180 Minutes (3 Hours)



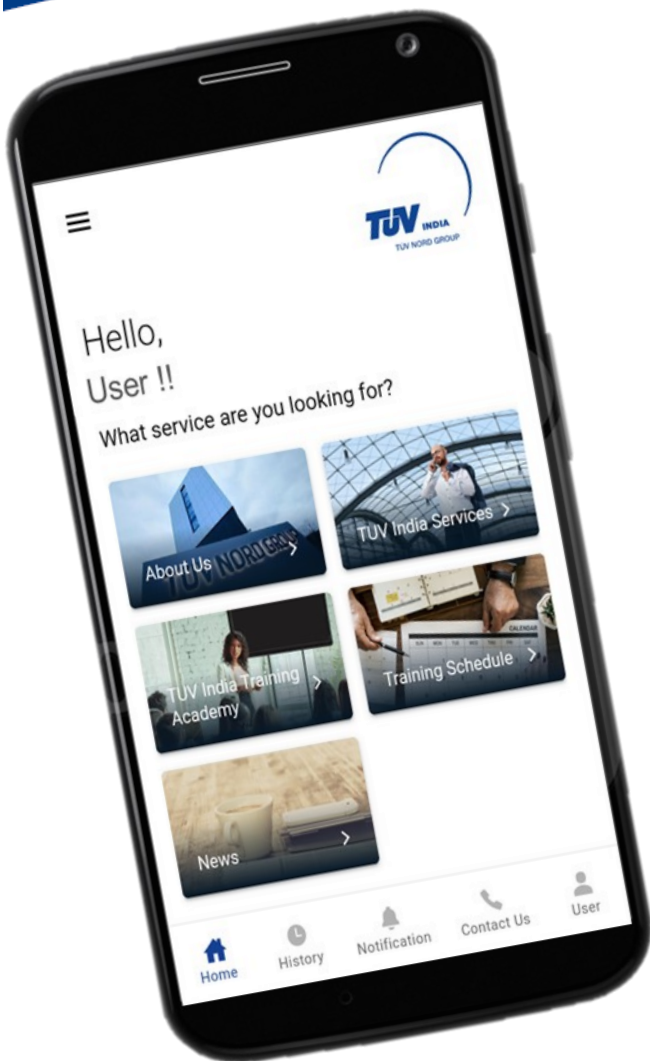
**TÜV NORD GROUP**

Expertise for your Success

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

# 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



To Download : Scan adjacent QR Codes or click on  
For Android : <https://play.google.com/store/apps/details?id=com.tuvindia.apps.tuvindiatrainingacademy>  
For iOS : <https://apps.apple.com/in/app/tuv-india-training-academy/id1529091701>  
For Any Queries :  
Write to : [trainingindia@tuv-nord.com](mailto:trainingindia@tuv-nord.com)  
Call : 1800-209-0902



Registered & Head Office :  
801, Raheja Plaza I, LBS Marg, Ghatkopar (W), Mumbai - 400086  
Tel: +91-22-66477000 / 25007000 / 05 | Email : [infoindia@tuv-nord.com](mailto:infoindia@tuv-nord.com)