

# Training Program on “Industry 4.0 - Certified Assessor Course”



## Course Features:

Industries, all over the globe are getting ready for the fourth revolution, INDUSTRY 4.0. This includes the key technologies and concepts like collection of real time data, organizing data, analyze and make analyzed data available for decision support. This requires the strong knowledge of sensors, transducers, embedded system, protocols and cloud concepts and services, mobile application, Big Data Analytics, protocols etc. Industry 4.0 approach will have a phenomenal impact on the business models as well as on the skillset requirements of people.

This course introduces participants to the concept and goals of Industry 4.0, the different pillars of Industry 4.0 design and implementation, Cyber Physical systems, Interoperability, Virtualization, Decentralization, Real-Time Capability, Service orientation and Modularity and develops clear understanding of need for audit and assessment, methods of assessing the current status, risk factors, change management issues and challenges in auditing. This certificate course includes use cases discussion, participative case study analysis and best practices.

## Course Objectives:

Main objective of the Industry 4.0 - Assessor program is to develop Industry 4.0 assessment competency supported by practical exercises and use cases. The main aim is to make the audit process easy to enhance

business excellence.

## Who should attend?

All graduate engineers, practicing engineers, IT professionals, Team leaders, Top management, Shop floor /production engineers HR, Marketing, and Maintenance professionals.

## Course Contents:

Evolution of Industry 4.0

- Theme of Industry 4.0 and driving factors, goals of Industry 4.0
- Future of automated manufacturing- cyber physical systems, smart factories, IIOT
- Going Digital -Leadership and Management challenges, competencies for Industry 4.0
- Need, advantages, limitations and methodology of assessment, skills for assessment
- Assessment Models, Planning, Action Planning and Reporting
- Industry 4.0 standards development and frameworks
- Understanding business vision, identification of strategic needs and opportunities
- Risk identification

## Pre-requisites:

Engineering graduates /MBA with basic knowledge of either IT / business processes / manufacturing processes.

## Certificate

Certificate of successful completion shall be issued to all the delegates who attend entire duration of the course and clear the examination.

## Duration

6 Days

## About Us:

TUV India Pvt. Ltd. (TÜV NORD GROUP) is a customer-focused, innovative, and independent, technical, quality & safety services organization, dedicated to providing future-proof solutions through technological excellence for the success of its customers with the highest level of integrity. With a presence at over 40 strategic locations in India; a branch office in Sri Lanka and Bangladesh; state-of-the-art laboratories at Pune, Bengaluru, Noida and Jamnagar; 100 important countries worldwide and through digital means, we are always connected to you, our esteemed customer, anywhere, anytime.

We are proud to provide increasing levels of services to the best known, largest global and national companies as well as medium and small industries in diverse sectors like Oil & Gas, Petrochemical, Nuclear, Renewables, Infrastructure, Food, Power, Manufacturing, Chemicals, Pharma, Paper, Automobiles, Railways, Aerospace, Defence, IT, Health, Hospitality, Retail, etc.

Over 1400 competent and experienced TUV India experts spread across India and over 14000 TUV NORD experts all over the world, enthusiastically support our clients by providing value-added services

in Industry Inspection, European / International Approvals, Management System & IT Certification, Sustainability, Energy Audit, Water Audit, Carbon Services, Building Infrastructure & PMC, Renewable Energy, Food & Packaging Testing, Food Certification & Inspection; Testing of restricted and banned chemicals in Automotive and Electrical & Electronics components and other regulated industries, Product Testing – Electricals, Electronics and Industrial Machinery; Product Certification; Petroleum, Chemicals & Gas Cargo Inspection; Petroleum, Chemicals & Gas Testing; Railway Technology; Engineering, Safety Studies, and knowledge enhancing training programs under TUV India Training Academy.

## Our Services Portfolio:

- Industrial Inspection
- Management Systems & IT Certification
- Building, Infrastructure and Project Management
- Renewable Energy
- Railway Technology
- Food Certification and Inspection
- Petroleum, Chemical and Gas Cargo Inspection
- Product Certification
- Product Testing Laboratory for Electronics, Electricals, Machinery & Industrial, Automotive Batteries
- Food and Packaging Testing
- Advanced Chemical & Material Testing
- Petroleum, Chemical & Gas Testing
- Training Academy

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