

## TUV INDIA TRAINING ACADEMY

# CERTIFICATE

**Functional Safety Certification Program (FSCP)  
requirement for  
“Functional Safety Certified Professional” – Level - I  
In accordance with IEC 61508:2010 / IEC 61511:2016**

This is to certify that

**Santosh Ramrao Pawar**

has attended and successfully completed the above course held on

Date: 19<sup>th</sup> – 20<sup>th</sup> & 26<sup>th</sup> – 27<sup>th</sup> June 2026

Place: Online

Certificate No. 8125116800/05

Certificate is valid upto **23/07/2031** (5 years) or till revision of respective standard, which ever is earlier.



**Mr. Rahul Nayak**  
Associate Vice President  
TUV India Pvt. Ltd.



Date: 24/07/2026  
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**Registered and Head Office:**  
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🌐 [www.tuv-nord.com/in](http://www.tuv-nord.com/in)

## **Annexure to: Certificate No. 8125116800/05**

### **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 61508:2010 & 61511:2016
- Hardware Design
- Software Design
- Operation & Maintenance