



ANCIT

FuSa-ISO 26262 4 Days Training including AFSP Certification

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FuSa Training Course Agenda from ANCIT

Delivery Format	:	This Course is offered in Classroom or Remote
Duration	:	32 Hours (4 Days)
Target Objective	:	Develop deeper understanding in ISO26262 Functional Safety Standard & apply it in software- function validation & verification at component level, system level & full vehicle level
Application & Focus area	:	Chassis Control software- function (ECU) development & validation - verification programming.
Background	:	Chassis controller (ESP-electronic stability program, EPS-electric power steering & SPC-suspension controller, other ECUs...)

Day 1.

1. Introduction to Functional Safety
2. ISO 26262 & its Legal Consequences
3. Functional Safety Management
4. Overview of Additional Supporting Processes

Day 2.

1. Item Definition
2. Hazard Analysis and Risk Assessment (HARA)
3. HARA Training Exercise
4. Functional Safety Concept (FSC)

Day 3:

5. Technical Safety Concept (TSC)
 1. System Level
 2. System Element Level
6. System Integration and Validation
7. Software Development
 1. Overview
 2. Software Safety Requirements
 3. Software Architecture and Design
 4. Software Integration and Verification

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Day 4:

1. Confidence in the use of SW-tools
 1. Introduction
 2. Classification of SW-tools
 3. Qualification of SW-tools
 4. Training exercise
2. Software Component Qualification
3. Software Configuration
4. Hardware Development
 1. Overview
 2. Hardware Safety Requirements
 3. Hardware Design
 4. Evaluation of Hardware Metrics
 5. Hardware Integration and Verification
1. Hardware-Software Interface Specification
2. Wrap up
 1. Training Summary
 2. Comments, Questions and Discussion

Day 5:

Examination/ Certification Test Conducted SGS TUV SAAR GmbH

Every topics – will have a relevant example (walk through) and exercise to practice for the participants.

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