

Function Development with PREEvision - Remote

Agenda VectorAcademy

Duration:	1 preparation session of 1hour, eLearning of approx. 6 hours, 7 remote sessions of 3 hours each
Target Group:	System architects, development engineers, quality engineers, documentation managers
Prerequisites:	AUTOSAR basics
Goal:	Knowledge about PREEvision operation concepts, develop functions, evaluate and optimize the overall system

1 | Concepts of PREEvision eLearning (2h)

- > PREEvision as a product for the whole architecture management
- > Development process
- > Layer model

2 | Introduction to PREEvision eLearning (2h)

- > Starting PREEvision the first time
- > Projects
- > Windows and diagrams
- > Perspectives and views
- > Traceability and navigation
- > Diagrams: Creating and filling diagrams, connection of artifacts
- > Working with Tables
- > Mappings

3 | PREEvision in Multi User Mode eLearning (2h)

- > Lock / Commit
- > Reuse
- > Check in / Check out

4 | Requirements Layer and Customer Feature Layer 3.0 h

- > Creation of a customer feature list
- > Creation of customer features and requirements
- > Tables
- > Link requirements to customer features
- > Relations between customer features

5 | Logical Architecture Layer 6.0 h

- > Creation and grouping of logical components
- > Type/instance concept
- > Ports, port interfaces and data elements
- > Connecting ports
- > Activity chains

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6 | Software Components Layer

5.0 h

- > Creation and grouping of software components
- > Creation and connection of ports
- > Definition of connections
- > Library approach: Type – Prototype – Instance
- > AUTOSAR export

7 | The Layers Network Topology and Component Architecture

2.0 h

- > Creation and connection of components
- > Creation of bus systems
- > Connection of components to buses
- > Using types

8 | Signal Routing and Communication

2.0 h

- > Configuration of the signal router
- > Constraints
- > Visualize the router's results
- > Import of existing communication descriptions
- > Communication perspective

9 | Variants in PREEvision

1.5 h

- > Concepts
- > Artifacts for structuring like Alternatives, Systems and Sets
- > Diagrams
- > Feature based variant management

10 | Overview of PREEvision's Configuration Capabilities

1.0 h

- > Configurations
- > Rules
- > Metrics
- > Reports

11 | Questions, Feedback, Suggestions

0.5 h