

Autosar

Duration - 3 Days / 24 Hours

Program Description

This program offers an in-depth exploration of AUTOSAR (AUTomotive Open System ARchitecture) fundamentals, focusing on its architecture and various components essential for automotive software development. Participants will learn about the COM stack, Diagnostic stack, Memory stack, and System services, as well as the Security stack. The course also covers Software Component (SWC) design and development, the Runtime Environment (RTE), and how these elements integrate to facilitate robust automotive systems.

Learning Goals

- ❖ Understand the fundamental concepts and architecture of AUTOSAR.
- ❖ Describe the functionalities and purposes of the COM, Diagnostic, Memory, and Security stacks.
- ❖ Utilize System Services to enhance automotive software performance.
- ❖ Design and develop Software Components (SWCs) within the AUTOSAR framework.
- ❖ Implement and manage the Runtime Environment (RTE) for effective communication between software components.

Course Topics

- ❖ Basics Concepts of AUTOSAR
- ❖ COM Stack
- ❖ Diag Stack
- ❖ Memory Stack
- ❖ System Services
- ❖ Security stack
- ❖ SWC Design/ Development
- ❖ RTE

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Modules can be customized to suit client's specific needs and duration accordingly