



Agenda VectorAcademy

OSEK/VDX OPERATING SYSTEM TRAINING

Duration:	2 Days
Target Group:	Software Engineers
Prerequisites:	Knowledge of the programming language C
Goal:	Understand, configure and employ of OSEK/VDX operating systems

1 | OPERATING SYSTEM OBJECTS

- ▶ Task Management
- ▶ Time Management using Alarms
- ▶ Task Synchronization by Events
- ▶ Interrupt Handling
- ▶ Access Coordination by Resources
- ▶ System Functions
 - Start-up and Shut-down Behavior
 - Hook Routines
 - Error Handling
- ▶ Data Passing via Messages

2 | ALL TOPICS MENTIONED UNDER 1 WILL BE PRESENTED WITH THE FOLLOWING ASPECTS

- ▶ Mode of Operation
- ▶ Configuration
- ▶ Hands-on exercises
- ▶ Design Hints
- ▶ Question & Answer Session

3 | ADDITIONAL TOPICS

- ▶ Demonstration of TimingAnalyzer