

# CANape [compact]

## Agenda VectorAcademy

<b>Delivery Format:</b>	This Course is offered in Classroom <b>or</b> Remote Format
<b>Duration:</b>	Classroom: 2 days Remote: 14 hours
<b>Target Group:</b>	CANape user with none or little experience
<b>Prerequisites:</b>	None
<b>Goal:</b>	Usage of CANape as a measurement and calibration tool in the area of ECU optimization.

### 1. Technical Setup

- > Video communication, CANape installation, CANape demo projects

### 2. Introduction to the measurement technique in CANape

- > General information about the measuring techniques available in CANape
- > Comparison of CAN-Monitoring versus measuring data using the XCP protocol
- > XCP Fundamentals – Synchronous Data Transfer Concept
- > General overview of features and functionalities in CANape

### 3. Measuring with CANape

- > Introduction to the CANape project structure
- > Introduction to the device configuration
- > Creating a new measurement configuration
- > Configuring different types of display windows
- > Measurement analysis
- > Configuring of the recorders / Logging of measurement data

### 4. Setting up a new project from scratch

- > Creating a new CANape project (canape.ini versus CNA-File)
- > Setting up new devices / description files
- > Configuring the Vector Hardware Interfaces / VNxx

### 5. Offline evaluation of measurement data / Data Mining

- > Loading measurement files to display recorded measurement signals
- > Comparison of measurement data from different measurement files
- > Data Mining Concept (Automated analysis of large data sets)
- > Using functions for offline evaluation

### 6. Calibrating the ECU

- > Calibration concepts
- > Usage of calibration window
- > Data Management of Parameter Set Files