

Accenture Gömülü Linux eğitimi verecek. 25 Mart'ta başlayan dersler 7-8 hafta sürecek. İsteyen herkes katılabilir.

Eğitimler çevrimiçi ve Teams üzerinden olacak. Cuma 14:00-16:00 arası olacak. 25 Mart'ta başlıyor. Teams sınıfına kayıt için sınıf kodu: **e21zn52**

Eğitim içeriği şu şekilde:

ACCENTURE - Embedded Linux From Scratch

Training objectives:

- Understand the overall architecture of Embedded Linux systems.
- Choose, build, install and use a cross-compilation toolchain.
- Understand the booting sequence of an embedded Linux system, and set up and use the U-Boot bootloader.
- Select a Linux kernel version to configure, build and install the Linux kernel on an embedded system.
- Create Linux root filesystem from scratch, including all its elements: directories, applications, configuration files, libraries.

Device Security I: Secure booting in Embedded Linux Devices

Training Objectives:

- Recap of Embedded Linux boot sequence
- Understand why boot sequence verification is needed
- Learn about Public Key Infrastructure(PKI)
- Understand FIT Image generation and booting
- Build Linux kernel and verify it in U-Boot bootloader using PKI
- Understand examples of secure boot practices in the industry

Device Security II: Secure Over the Air updates for Embedded Linux Devices

Training Objectives:

- Understand why OTA updates are needed in Embedded Linux Devices
- Learn about the generation of update bundles using the YOCTO project
- Understand verification and fail-safety mechanisms used for system updates
- Generate OTA package for a Beaglebone Black board
- Apply a full-system update to a Beaglebone Black board

Introduction to Autonomous Driving part I and II

Training objectives:

- Provide an overview of the required skills
- Generate familiarity with the common terms & tools in the sector
- Understanding why do we need Autonomous Vehicles
- Regulations and standards about Autonomous Vehicles
- Common Sensors and their challenges that are used in ADAS/AD
- Learning the challenges of developing ADAS/AD software
- Current market trends of the Autonomous Vehicles