

DRIVES YOU TO INDUSTRY

# AUTOMOTIVE EMBEDDED COURSE

LIVE ONLINE

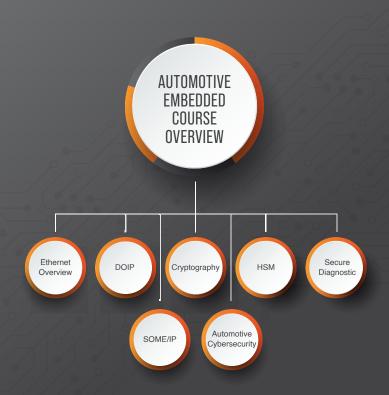
# **2203**

STUDENTS PLACED IN 2021

630+ MNCs HIRED IN 2021



100% GENUINE PLACEMENT ASSISTANCE



COURSE DURATION — 6 WEEKS —

# **COURSE OVERVIEW**

#### ETHERNET OVERVIEW

DOIP

SOME/IP

- Ethernet Protocol

- DOIP

- Autosar Ethernet

## **CRYPTOGRAPHY**

Part 1: History of Cryptography

Part 2: Symmetric Cryptography

Part 3: Asymmetric Cryptography

Part 4: Hash Functions

### **AUTOMOTIVE CYBERSECURITY**

- Introduction to Automotive Cybersecurity
- Privacy and Data Protection in Automotive

#### **HSM**

- SHE architecture
- HSM architecture
- HSM family members
- HSM family members
- HSM purpose
- Key generation-TRNG/PRNG
- Key storage
- HSM SW architecture
- Secure HSM FW update
- Secure life cycle management

### SECURE DIAGNOSTIC

#### Introduction of Bootloader

Secure Diagnostic Access

- Secure Boot
- Trusted Boot
- Secure Flashing
- Secure JATG

#### **SecOC**

**OTA Flashing Topology** 

