



DRIVES YOU TO INDUSTRY

AUTOMOTIVE EMBEDDED COURSE

LIVE ONLINE

2203

STUDENTS
PLACED IN 2021

630+

MNCs HIRED
IN 2021



All India Educational
Excellence Award
Winner for
3 years in a row



100%

GENUINE PLACEMENT
ASSISTANCE

HYDERABAD - 98666 66699 | BENGALURU - 87624 56789 | CHENNAI - 94442 22459

WWW.VECTORINDIA.ORG

AUTOMOTIVE EMBEDDED COURSE OVERVIEW

```
graph TD; A((AUTOMOTIVE EMBEDDED COURSE OVERVIEW)) --- B1[ ]; B1 --- B2[ ]; B1 --- B3[ ]; B1 --- B4[ ]; B1 --- B5[ ]; B3 --- C1[ ]; B3 --- C2[ ]
```

Ethernet
Overview

DOIP

Cryptography

HSM

Secure
Diagnostic

SOME/IP

Automotive
Cybersecurity

COURSE DURATION

6 WEEKS

COURSE OVERVIEW

ETHERNET OVERVIEW

- Ethernet Protocol

DOIP

- DOIP

SOME/IP

- 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

