School of Electronics Engineering
Department of Embedded Technology
One-day National Level Workshop
On

Automotive Communication Protocols

(14/10/23) - Online Mode

Session1: 9:30 AM -11:00 AM
- Overview of Data communication and networking, Need for In-Vehicle networking, Layers of OSI reference model, Multiplexing and de-multiplexing concepts.
- Overview of general purpose networks and protocols –Ethernet, TCP, UDP, IP

Session 2: 11:15 AM – 12:45 PM
- LIN standard overview –LIN protocol specification –Frame transfer –Frame types –Schedule tables –Task behaviour model
- Overview of CAN –fundamentals –Message transfer –frame types-Error handling

Session 3: 2:00 PM – 3:30 PM
- Introduction to CAN open –TTCAN –Device net –SAE J1939
- MOST –Overview of data channels –control channel-synchronous channel –asynchronous channel –Logical device model –functions-methods-properties-protocol basics

Session 4: 3:45 PM- 5:15 PM
- FlexRay-Introduction –network topology –ECUs and bus interfaces –controller host interface and protocol operation controls
- media access control and frame and symbol processing –coding/decoding unit

Target Audience: All B.E, B.Tech, M.E., M.Tech Students, Industry Delegates and Faculty.

Date: 14th October,2023 (Saturday)

Registration fee: Rs.250/-+GST

Registration Link:

https://events.vit.ac.in/

Limited Seats ONLY

For Registration Contact:
Mr.Balasundaram - 7904301562

Coordinators
9894798159 Dr. Gerardine Immaculate Mary, SENSE, VIT Vellore.
9500359576 Dr. Venugopal P., SENSE, VIT Vellore.