ABOUT THE COLLEGE

PSG College of Technology, an institution of academic excellence, was founded in the year 1951 by PSG & Sons’ Charities Trust. PSG College of Technology, an AICTE approved institution is affiliated to Anna University and ISO 9001 certified. Most of our programmes have been accredited by National Board of Accreditation (NBA). One unique feature at PSG College of Technology is the close collaboration with industry, resulting in the cross fertilization of theory with practice. PSG College of Technology is currently ranked 29 in latest NIRF ranking & NAAC accredited.

ABOUT THE DEPARTMENT

The Automobile Engineering department was established with an undergraduate programme in Automobile Engineering in 1999 and postgraduate programme in Automotive Engineering in 2009. The department also offers doctoral research programme. The department maintains a close liaison with a number of Universities and Industries within and outside the country through faculty research and collaborative projects. The department offers consultancy services in Chassis Design, Engine Design, FEA analysis, and CFD simulations. The department has established PACE laboratory with contributions from GM, Autodesk, HP, Oracle, Siemens PLM to develop the automotive product lifecycle management expertise. Faculty members are publishing in highly reputed international, national journals and in conferences.

ABOUT THE PROGRAMME

This workshop aims to provide an in-depth understanding of Controller Area Network with Flexible Data-Rate (CAN FD) technology, which is pivotal for modern automotive communication systems. Participants will learn about the fundamental principles, practical applications, and advanced features of CAN FD, with a focus on enhancing their skills for real-world automotive applications.

OBJECTIVES

The workshop aims to facilitate in-depth discussions among experts on the latest advancements in CAN FD technology and its applications in automotive electronics. It provides a platform for participants to exchange knowledge and ideas, combining theoretical understanding with practical skills, to significantly contribute to the development and optimization of CAN FD networks and systems.

ABOUT ANCIT

ANCIT is a leader in engineering tools and services with over a decade of quality deliveries. They serve prominent enterprises to start-up ventures in Semiconductor, Automotive, Defence and Aerospace industries. They deal with:

- AUTOSAR Development, Integration & Training Services
- Automotive and Embedded Verification & Validation Services
- Custom Tool & IDE Development Support

ABOUT ANKIT

ANCIT is a leader in engineering tools and services with over a decade of quality deliveries. They serve prominent enterprises to start-up ventures in Semiconductor, Automotive, Defence and Aerospace industries. They deal with:

- Recap of classic CAN
- Introduction to CAN FD
- Bit Rate Switching
- Data Length Codes up to 64 bytes
- Increased requirements on the CAN FD Physical Layer
- Different Types of CAN FD Frames
- New control bits in CAN FD
- Sample points and bit timing consideration
- Network Topology
- CAN FD conformance testing

COURSE CONTENTS

- Recap of classic CAN
- Introduction to CAN FD
- Bit Rate Switching
- Data Length Codes up to 64 bytes
- Increased requirements on the CAN FD Physical Layer
- Different Types of CAN FD Frames
- New control bits in CAN FD
- Sample points and bit timing consideration
- Network Topology
- CAN FD conformance testing

COURSE OUTCOMES

The two-day Workshop on Automotive Electronics and Communication Technologies aims to:

- Gain comprehensive understanding of CAN FD, including its new features and enhanced capabilities.
- Acquire hands-on experience in simulating and diagnosing CAN FD networks using Vector CANOE.
- Understand and apply different Data Length Codes up to 64 bytes.
- Gain knowledge of increased physical layer requirements for CAN FD.
- Perform CAN FD conformance testing to ensure network reliability and compliance

RESOURCE PERSONS

The various sessions of the two day workshop will be handled by industry experts.
ORGANIZING COMMITTEE

Chairman: Dr. K. Prakasan
Principal

Coordinator: Dr. S. Neelakrishnan
Professor & HOD, Dept of Auto Engg

Co-Coordinator: Dr. J. Niresh
Ass. Professor (Sr.Gr.), Dept of Auto Engg

REGISTRATION FEES

Academician/ Industry: ₹ 1500*
Research Scholar/ Students: ₹ 1000*
* Inclusive of GST

DATES TO REMEMBER

Last date for Registration: 04-07-2024
Intimation of Selection: 05-07-2024

ACCOUNT DETAILS

Bank: Central Bank of India
Account Name: PSG Center for Non-Formal and Continuing Education
A/C No.: 1481267367
IFSC: CBIN0280913
Branch: Peelamedu

ELIGIBILITY

This program is open to faculty members, Research scholars, PG & UG Students from AICTE approved Engineering Colleges and industrial personnel.

HOW TO REGISTER

Participants are required to apply through online registration form by clicking on the following link:

https://forms.gle/zsgYcn6XiNgwofAL

For any queries, contact:

Dr. J. Niresh
Assistant Professor (Sr.Gr.), Department of Auto Engg,
PSG College of Technology, Coimbatore-641004
Ph: +91 98941 85529
Email: jnr.auto@psgtech.ac.in

Two Days Workshop on
“Advanced CAN FD Technology for Enhanced Automotive Communication and Innovation”

July 12th - 13th 2024

Organized By

Department of Automobile Engineering
PSG College of Technology
Coimbatore - 641 004
Phone: 0422-2572177, 2572477
Fax: 0422-2573833
www.psgtech.edu

in Association with
ANCIT CONSULTING, BANGALORE