



## TIFAC-CORE in AUTOMOTIVE INFOTRONICS

@ VIT University

(Sponsored by Dept. of Science & Technology, Govt. of India)



### CIRCULAR

**TIFAC-CORE** is conducting Certificate Program on **Embedded Design & Wireless protocols,**

**Standards from 11<sup>th</sup> January 2010** for the benefit of VIT Students. This program is to impart high end technical inputs and to acquire hands on exposure.



Course fee

: **Rs 7,500/-**

Duration

: **50 hrs** on 3 days in a week of 2hrs from  
6.15 pm to 8.15 pm with refreshment

***Students undergoing this program will be given preference to carryout Mini Projects, In-Plant Training and projects in TIFAC CORE.***

Interested students can register their names along with DD in favor of **"TIFAC-CORE, VIT University"**, Payable at Vellore on or before **10.12.09**. The number of participants is limited to Twenty Five (25) based on first come first serve.

#### ***Embedded System Design:***

- Introduction to Embedded System Design
- HCS12 Freescale Architecture & Programming
- Development using Code Warrior IDE for MC9S12XDT512
- ADC, Timer, Pulse accumulator, PWM, Memory
- Communication interfaces - UART, SPI, I2C
- In Vehicle Networking protocols – LIN, CAN, FlexRay
- X Gate (Coprocesor) programming
- Introduction to Power PC – MPC55xx

#### ***Wireless protocols & Standards:***

- IrDA
  - Concepts and Principles
  - Implementation using MCP2140
- Embedded Bluetooth
  - Concepts and Principles
  - Implementation using BT2416C2DB.AT1
- ZigBee
  - Zigbee Principles and Concepts
  - Introduction to CC2430- Texas Instruments MCU
  - Implementation using CC2430.
- MANET – Mobile Adhoc Network

**Registrations are open**

**For further details contact:**

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