



## TIFAC-CORE in AUTOMOTIVE INFOTRONICS

@ VIT University

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



### CIRCULAR

**TIFAC-CORE** is conducting Certificate Program on **32 Bit Embedded & Wireless System Design Focus on ARM** from **15th December 2009** 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.

#### **General Module:**

- ✓ ARM 7 CORE overview & programming
- ✓ LPC2378 architecture & peripherals
- ✓ Programming with keil compiler.
  - Data acquisition interfaces
  - Timing & control
  - Communication interfaces
    - Synchronous
      - SPI, I2C, RTC Interface
    - Asynchronous protocols
      - UART
    - In-vehicle networking protocols
      - CAN, MOST, FlexRay
  - Network communication interfaces
    - USB Device controller
    - Ethernet controller
  - Storage devices
    - SD/MMC Card

#### ✓ **Wireless system Modules**

- Wi-Fi IEEE 802.11
  - Concepts and principles
  - Implementation using Rabbit core semiconductor.
- WiMAX IEEE 802.16
  - Concepts and Principles
- UWB IEEE 802.15.3a
  - Concepts and Principles
  - Implementation using PulsON 220
- SimpliciTI
  - RF Concepts and Principles
  - Implementation using MSP430 MCU

#### **For further details contact:**

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