



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 **11th 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.

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

✓ Case Study

- Invehicle Infotronics application design using ATOM Processor.

Registrations are open

For further details contact:

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