



# TIFAC-CORE in AUTOMOTIVE INFOTRONICS

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

@ VIT University, Vellore-14



## CIRCULAR

**TIFAC-CORE is conducting Certificate Program on “Simulation and Prototype Model of Power Electronics Converters Circuits by using ORCAD/PSPICE” Commences from 27<sup>th</sup> Jan 2012 for the benefit of VIT Students. This program is to impart high end technical inputs and to acquire hands on exposure.**

**Course fee : Rs. 6,500/-**

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

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

**Interested People can register their names along with a DD drawn in favor of “TIFAC-CORE, VIT University”, Payable at Vellore on or before 27.01.12. The number of participants is limited to Thirty (30) based on first come first serve**

### Cadence Design Systems-ORCAD Capture Version 9.2

- **Electronic Devices Basics**  
Diodes, Transistors, Thyristors, MOSFETs, IGBTs
- **ORCAD Introduction**
- **Power Electronics Converters Simulation and Prototype Model using ORCAD**
  - ✓ **Three phase fully controlled bridge rectifier with source inductance**
  - ✓ **Series and parallel Inverters**
  - ✓ **Single phase and three phase full bridge VSI and CSI (180 & 120 degree modes)**
  - ✓ **All quadrant choppers (Type-A ,Type-B, Type-C, Type-D)**
  - ✓ **Single and three phase AC voltage controller and cycloconverter**
- **Switched Mode (DC-DC) Power Converters Simulation using ORCAD**
- **Analysis, simulation and proto type of Buck, Boost and Cuk Converters**

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<p><b>For Further details: Contact: Mr. Gopi Srikanth V Senior Development Engineer Room No: 702, 7<sup>th</sup> floor, TT TIFAC-CORE, VIT <a href="mailto:gopi.vegi@vit.ac.in">gopi.vegi@vit.ac.in</a> 0416 - 2202383</b></p>	<p><b>Mr. Muralidar. D Assistant Professor (Automotive Electronics) Room No: 703, 7<sup>th</sup> floor, TT TIFAC-CORE, VIT <a href="mailto:muralidar.d@vit.ac.in">muralidar.d@vit.ac.in</a> 0416 - 2202383</b></p>	<p><b>Mrs. R. Devaki, Secretary, TIFAC CORE Room No: 701, 7<sup>th</sup> floor, TT <a href="mailto:tifac@vit.ac.in">tifac@vit.ac.in</a> <a href="mailto:tifacvit@gmail.com">tifacvit@gmail.com</a> 0416 - 2202381</b></p>
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