



TIFAC-CORE in AUTOMOTIVE INFOTRONICS

@ VIT University

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



CIRCULAR

TIFAC-CORE is conducting Certificate Program on **Image and Video Processing using MATLAB & IDL** 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.

- ◆ Image Analysis, Preprocessing,
- ◆ Human Visual System, Image Model
- ◆ Data Handling, 2D & 3D Plotting
- ◆ Structure & Pointers in IDL
- ◆ Image Enhancement, Gray Scale, Histogram
- ◆ Transforms
 - Fourier
 - Cosine Transform,
 - Walsh-hadamard
 - Haar
 - Wavelet Transform
- ◆ Image Sharpening & Smoothing
- ◆ Image Restoration
 - Noise Removal
 - Degradation Model
 - Inverse Filter
 - Frequency Filters
- ◆ Geometric Transforms
 - Translation
 - Rotation
 - Reflection
 - Affine

- ◆ Image compression
 - System Model
 - Lossless Methods
 - Lossy Methods
- ◆ Morphological Operations(intensity and binary images)
- ◆ Color Space Conversions, Pseudo Color
- ◆ Image Warping
- ◆ Region of Interest
- ◆ Image Segmentation
 - Thresholding
 - Region based
 - Edge based
 - Hough Transformation
 - Watershed Transformation
 - Texture based

For Further details:

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Sr. Development Engineer

TIFAC-CORE, VIT

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Room No: 709, 7th floor, TT

Registrations are open