ACCOMMODATION

No TA / DA will be paid to the participants. On prior request, accommodation can be arranged in our college hostel with breakfast & dinner at a nominal fee.

WHO CAN REGISTER?

The programme is open for all college faculty members, industrial persons, research scholars and students. Application can be downloaded from the website www.klnce.edu

REGISTRATION FEE

1) Delegates from Academic Institution
   and Industry   Rs.400/-
2) Research Scholars/Students   Rs.300/-

The registration fee should be paid through Demand Draft drawn in favour of "THE PRINCIPAL, K.L.N. COLLEGE OF ENGINEERING" payable at Madurai.

LOCAL TRANSPORTATION

Our college buses are plying on daily over 35 routes from various parts of city. Participants can use these buses to reach K.L.N.C.E. For further information please contact coordinators.

IMPORTANT DATES

Registration form along with D.D should reach us on or before 15th March 2016. Limited spot registration only is allowed.
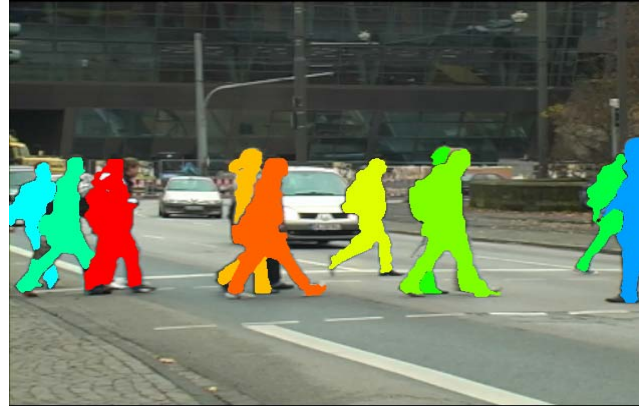
CORRESPONDENCE

1) Mrs.P.Karpagavalli (Mobile: 9994872737)
   E-Mail: karpagavalli.p@klnce.edu
   Associate Professor

2) Mrs.P.Selvi (Mobile: 9626734022)
   E-Mail: raakeshkamal@gmail.com
   Assistant Professor

Department of ECE
K.L.N. College of Engineering
Pottapalayam – 630 612. Madurai, Tamilnadu.
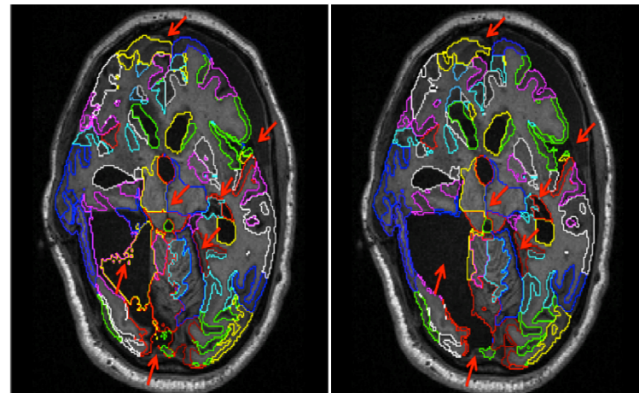

COURSE CONTENT

Day-1

- Introduction to Image Processing using MATLAB

Lab 1: Hands on Training and Implementation of
- Basic Image processing concepts
- Color spaces in image
- Geometric Transformations of Images
- Image Thresholding
- Image Enhancement

Lab 2: Hands on Training and Implementation of
- Morphological Transformations
- Image Gradients
- Canny Edge Detection
- Image scaling
- Contours in image
- Image Texture Analysis

**A Two day Faculty Development Programme
On
"HANDs on TRAINING in OPENCV and MATLAB for IMAGE & VIDEO PROCESSING"**

**19-03-2016 & 20-03-2016
(Saturday & Sunday)**

**Chairman
Dr.A.V.Ramprasad, Principal**

**Convener & H.O.D - ECE
Dr.V.Kejalakshmi**

**Coordinators
Mrs.P.Karpagavalli
Mrs.P.Selvi**

Organized by

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

K.L.N.COLLEGE OF ENGINEERING
Pottapalayam - 630 612
Madurai District.
Phone: 0452 2090971, 2090972 (Extn. 287)
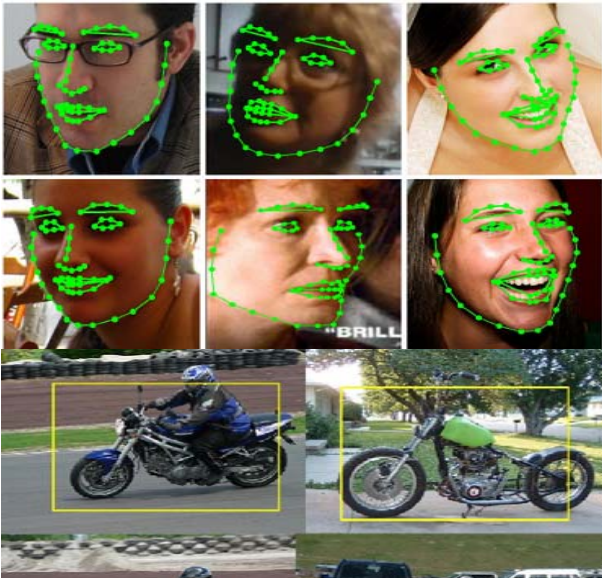URL: www.klnce.edu

ABOUT THE INSTITUTE

K.L.N. College of Engineering has been the first self-financing co-educational Engineering College started in Madurai in 1994. The College has been affiliated to Anna University and approved by All India Council for Technical Education (AICTE). The college runs 7 undergraduate engineering programs and 7 Master Programs including M.E. Communication Systems.

DEPARTMENT OF ECE

The Department of ECE was started in 1994. The Department has adequate infrastructure with spacious classrooms, conference halls and well developed nine laboratories having the advanced designing tools like Xilinx Vivado System Edition, Mentor Graphics Front-end & Back-end design suites, LabView, MATLAB, ADS, AnSoft, Orcad P-Spice. AICTE, New Delhi has sanctioned fund as under MODROB scheme for modernizing Microwave Lab and DSP lab of this department. The department library has over 1500 books and magazines and journals.
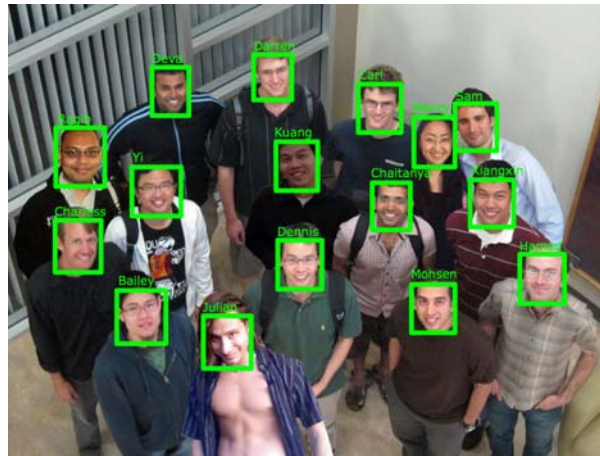
APPLICATIONS

Day-2

Introduction to OpenCV

- About OpenCV
- Installation on windows, Linux
- API Concepts
- Automatic memory management

Lab 3: Hands on Training and Implementation of

- Template Matching
- Hough transforms in image
- Wavelet transforms
- Watershed Transform
- Image Segmentation

Lab 4: Hands on Training and Implementation of

- Video processing
- Video to frame separation
- Image compression and Physical Resolution
- Region Of Interest(ROI) - Based Processing
- Removing Noise from the images

DEMOS

- Object Detection, Tracking, Recognition and Classification Face Detection, Human Detection

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REGISTRATION FORM

Name :

Qualification :

Designation :

Experience :

Department :

Organization :

Address for :
Communication

Phone No. :

Mobile No. :

E-mail id :

Accommodation required: Yes   No

Date: Signature of the Applicant