OBJECTIVE

The field of digital image processing refers to processing digital images by means of a digital computer. In recent years, various researchers are turning their attention towards the development of effective, efficient and robust computational techniques/methods for image processing analysis. Vision is the most advanced of our senses, so it is not surprising that images play the single most important role in human perception. However, unlike humans, who are limited to the visual band of the electromagnetic (EM) spectrum, imaging machines cover almost the entire EM spectrum, ranging from gamma to radio waves. They car) operate also on images generated by sources that humans are not accustomed to associating with images. These include ultrasound, electron microscopy and computer-generated images. Thus, digital image processing encompasses a wide and varied field of applications.

Image processing plays a vital role in everyday life. It finds the applications in various areas like engineering, medicine, basic sciences, applied sciences, etc. Various researchers and industrialists are working in the areas of image processing & its applications in the fields of image enhancement, image restoration, Mammograms, Digital Water Marking, etc and so on in the last few years.

This workshop will be useful for those who were working in different areas of image processing for carrying out their research works in an effective manner.

COURSE CONTENTS

- Basics of MATLAB – An Introduction
- Overview of Image Processing Techniques: Image Transforms
- Intensity Transformation and Spatial Filtering
- Frequency Domain Processing
- Image Compression Techniques
- Morphological operations and Image enhancement
- Image segmentation and Classification
- Watermarking Techniques
- Research Trends in Image Processing
- Hands on training using MATLAB.

FACULTY

Sessions will be handled by the experienced faculties from various reputed institutions and also from KEC.

ELIGIBILITY CRITERIA

Academicians, Faculties, Part time & Full time Research Scholars, Industry Persons, Undergraduate and Postgraduate students (First come first serve basis).

BOARDING AND LODGING

Accommodation and boarding arrangements will be provided in the college campus on chargeable basis (Rs. 150/- per day)

REGISTRATION DETAILS (Including Tax)

Participants details	Amount in Rupees
UG/PG students/Scholars	**700.00/-**
Academicians/Others	1000.00/-

The Demand Draft for the registration fee must be drawn in favour of "**IIP Cell Grant in Aid Account**", payable at Perundurai or Erode.

HOW TO APPLY

The applicants should send their applications in the specified format and send the application form along with DD to reach us on or before **26-07-2016**.

SCHEDULED DATES

Last Date for Receipt of Applications	26.07.2016
Date of intimation regarding selection	27.07.2016
Confirmation by Participants	28.07.2016

The details of this Two days Workshop is available in the website: *http://www.kongu.ac.in*

KONGU ENGINEERING COLLEGE
(Autonomous)
PERUNDURAI, ERODE – 638 052
TAMILNADU

Two days National Workshop
on

Image Processing using MATLAB: A Research Perspective

(29.07.2016 & 30.07.2016)

APPLICATION FORM

Name   :

Designation (Student/Faculty) :

Organization   :

Gender   :

Age   :

Educational Qualification   :

Address for   :
Communication

Mobile Number   :

E-mail ID   :

Research Area   :

Experience   :

Teaching   : _____ years

Others (Specify)   : _____ years

DD Details

   DD. No.   :

   Amount   :

   Date   :

   Bank Name

   Need Accommodation: YES   /   NO

   Signature   :

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator in case I am unable to attend the course.

Place:

Date: Signature of the Applicant

SPONSORSHIP CERTIFICATE

Mr/Ms/Dr_____

_____ is an employee/Student of our Institute / Organization and is hereby sponsored. She/he will be permitted to attend the programme in full, if selected.

Place: Signature of the Sponsoring Authority

Date: Office Seal

Application form completed in all respects to be sent to:

Dr.S.Usha
Co-ordinator
Two days National Workshop on
Image Processing using MATLAB:
A Research Perspective
Department of EEE,
Kongu Engineering College
Perundurai, Erode-638 052, Tamil Nadu.
e-mail id: karthik.prm@gmail.com,
usha@kongu.ac.in
Contact Numbers: 9150396839, **9843626288**

ABOUT THE COLLEGE

Kongu Engineering College (KEC) established in the year 1984, approved by AICTE New Delhi and affiliated to Anna University, Chennai has completed 30 years of dedicated and excellent service in the field of technical education. The college offers 14 UG programmes, 19 PG programmes and 16 Research programmes in various fields of Engineering and Applied Sciences. The college has got NBA accreditation for all UG programmes. The college has been awarded as the best Engineering College and our principal has been awarded as the best principal by ISTE. The college ranks 3rd position among top private engineering colleges in Tamilnadu by 'The Week' (June 2016). The college ranked 2nd position among self-financing engineering colleges in Tamilnadu by 'Competition Success Review' (June 2016). TBI @ KEC has won the National Award, presented by Shri. Pranab Mukherjee, President of India on Technology Day in New Delhi on 11 May, 2013.

ABOUT THE DEPARTMENT

The Electrical and Electronics Engineering department was started in the year of 1994. It occupies a prominent place in the chronicles of Kongu academic history. The specialization of the faculties occupies a wide area in the field of electrical and electronics. The department offers four year UG programme in EEE and two year PG programmes in Power Electronics & Drives and Applied Electronics. The department also carrying out so many consultancy activities like energy auditing to various organizations and industries. EEE Department of Kongu Engineering College was awarded as the 'Best Industry Linked Technical Institute' by AICTE-CII Survey, New Delhi.

ABOUT THE LOCATION

The college is situated at Perundurai on the National Highway (NH 47) about 80 km from Coimbatore and 20 km from Erode.

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Co-ordinators
Dr.S.Usha
Assistant Professor (Sr.G)

Dr.M.Karthik
Assistant Professor (Sr.G)

Mr.M.Suresh
Assistant Professor

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