COURSE CONTENTS

Day 1: Basics of Image processing

- **Image Enhancement**
- **Feature Extraction**
- **Edge Detection**
- **Contours Identification**

Day 2: Image Classification Techniques

- **Supervised and Unsupervised Learning**
- **Logistic Regression**
- **Support Vector Machine**
- **k-Nearest Neighbour Classifier**
- **k-means clustering algorithm**

ELIGIBLE PARTICIPANTS

- **Students, Research Scholars**
- **Faculty from Institutions**
- **R & D Personnel from Industries**

VENUE

Department of ECE

St. Joseph's College of Engineering

Chennai -119

IMPORTANT DATES:

Submission of Application **: 04.03.2019**

Intimation of Selection **: 05.03.2019**
(Through E-mail / SMS)

Confirmation by Participants **: 05.03.2019**

Registration fee

Rs. 1000/- for Non IEEE members

Rs. 500/- for IEEE members

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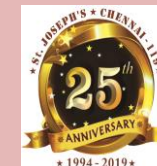Mr.R.Prabhu, M.E.,

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National Level Workshop On

Image Processing and Machine Learning using Python

7th & 8th March 2019

**Organized by
Department of ECE
St. Joseph's College of Engineering**
(St. Joseph's Group of Institutions)
OMR, Chennai- 119

**In association with
IEEE Madras Section**

National Level Workshop on
Image Processing and Machine Learning using Python
7th & 8th March, 2019
REGISTRATION FORM

Name: _____

Designation: _____

College/ Industry:_____

Communication Address:
_____

Mobile No:

Email ID:

IEEE Member :   Yes / No
If yes kindly furnish the proof

Payment Details:
DD No: Date:

Bank: Amount:

Participant category:
Industry/Academic/Research Scholar
Area of Research:………………………………..
Accommodation Required: **YES/ NO**

DECLARATION BY THE CANDIDATE
          The given information is true to the best of my knowledge. I agree to abide by rules and regulation governing the programme. If selected, I shall attend the programme. I am prepared to forego the advance paid by me, in case I do not attend the programme.

Place:
DATE: **Applicant's Signature**

Photocopies of this form can be used for additional registration. Last date 4.3.2019

REGISTRATION

We welcome participants from Educational Institutes, Industries and R&D Organizations. A maximum of **30 registrations** are permissible on the basis of first come first served. Participants can either register online using college website: **http://www.stjosephs.ac.in or** by mailing the completely filled up application form to **wshopece@gmail.com.** Acceptance of registration will be intimated through E-mail or SMS.

Registration fee
Rs. 1000/- for Non IEEE members
Rs. 500/- for IEEE members

Registration fee per participant has to be paid in the form of DD favoring **"St. Joseph's College of Engineering" payable at Chennai**.
Registration charges include workshop kit, Certificate of Participants, Breakfast, Lunch and High -tea.

ACCOMMODATION

Limited accommodation is available in the college hostels. Early booking is essential to avoid any disappointment.

CONTACT PERSON

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ABOUT THE DEPARTMENT

The Department of ECE has been existing since the inception of St. Joseph's College of Engineering in the year 1994 and has embarked onto its 25th year in its journey of sharing and spreading knowledge. St. Joseph's College of Engineering is listed as one among the 101 – 150 band, by NIRF., The department comprises of highly qualified and experienced faculty members who consistently strive for the overall development of the students by way of guiding them in all their endeavors through special career development programmes and placement assistance. Our department is enriched with well-equipped laboratories to fulfill our student's instructive & engineering needs which include Microwave , RF , Signal Processing, Networks, Optical, VLSI and Embedded System It offers both undergraduate (B.E Electronics and communication Engineering) and Post graduate (M.E Applied Electronics) courses under Anna University, Chennai and accredited by National Board of Accreditation (NBA).The department is also recognized as 'Research Centre' by Anna University, Chennai and offers PhD.

In our College, IEEE student branch chapter was started during the year 2002. Since its inception, students are motivated to join in the student branch chapter and to involve in various IEEE technical and Non-technical activities. At present, department of ECE has nine active student societies (APS, ComSoc, EMBS, IES, BTS, EDS, SPS, CSS and SSCS) .

ABOUT THE WORKSHOP

The workshop aims to train and motivate the aspirants on the advances in image processing and Machine Learning algorithms. The two day intensive programme aims to cover fundamentals of image processing, image enhancement, segmentation techniques and role of machine learning algorithms in image analysis. The workshop would be an investigatory hands-on for shifting from the conventional Matlab to the current versatile programming language Python, for two major applications which are being widely addressed.