

**THREE DAYS NATIONAL LEVEL
WORKSHOP ON
Advanced Image and Video
Processing using Computer
Vision (Open CV)
9th -11th December 2019**

Registration Form

Name :

Gender : Male / Female

Qualification :

Designation :

Department :

Institution :

Address for Communication:
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.....
.....

PIN:

E-Mail :

Phone (Off.) :

Mobile No. :

DD No. & Date:

Name of the Bank:

Accommodation required? YES/NO

DECLARATION:

I declare that all the details furnished above are true to the best of my knowledge and I agree to abide by the rules and regulations of the programme.

Date:
Place:

Signature of the Applicant:

Forwarded/Recommended:

Signature with seal of Head of the
Institution/Organization

ADDRESS FOR CORRESPONDENCE

The Head of the Department,
Department of ECE,
St. Joseph's Institute of Technology,
Old Mamallapuram Road,
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Mobile: 9840009247, 9944987555

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**THREE DAYS NATIONAL LEVEL
WORKSHOP ON
Advanced Image and Video
Processing using Computer
Vision (Open CV)
9th -11th December 2019**

Organized by



**Department of
Electronics & Communication Engineering
(NBA ACCREDITED)
St. Joseph's Institute of Technology
St. Joseph's Group of Institutions
OMR, Chennai-119.**



ABOUT THE DEPARTMENT

Department of Electronics and Communication Engineering was started in August 2011 with a sanctioned intake of 60 and increased to 180 during the academic year 2018- 2019 and it is accredited by NBA. The department is well equipped with all Electronics and Communication laboratories which include RF & Microwave, Optical, Signal Processing, Embedded Systems, Networks and VLSI Lab. Faculty members in our department guide students with innovative projects and serve as IEEE & IETE Student Chapter Co-ordinators.

ABOUT THE IEEE MADRAS SECTION

IEEE Madras Section came into existence in 1973 and has crossed its silver jubilee year. IEEE Madras Section has an active membership of 2275 life/ senior members members. The student membership is around 4716. The IEEE Madras Section conducts technical lectures, symposiums and conferences by eminent personalities from several fields

ABOUT THE PROGRAMME

This workshop focuses mainly on the Programming & Hands on Sessions, familiarizing the current technologies with the industry demands on Imaging Applications to the participants. Python programming is a powerful programming language for Image and Video Processing applications. The Open CV platform (Computer Vision) envisages on the concepts of image recognition, segmentation, clustering, Object tracking and real time video applications.

COURSE CONTENT

The following topics covered in the Workshop:

- Image Processing Techniques and the Transformation
- Image Processing Techniques with **Open CV Colour Conversion, Arithmetic operations in images**
- Basic image transformations Applications of **Image Thresholding**
- Video Processing Accessing webcam / IP Cam and capturing videos
- Writing the captured frames to a folder & Working with **IP cameras Grey scale and HSV Conversion using videos**
- Foreground and Background Separatio
- **Image Processing Algorithms**
- **Video Processing** on Open CV
- **K-means Clustering Algorithm**
- **Face Detection and Recognition**
- **Colour based Object Tracking** and Drawing

ELIGIBILITY:

Faculties from all Engineering, Polytechnic Colleges, Research scholars and Students. Registration fee: Rs.500/ -

Demand Draft drawn in favour of “**SJIT IEEE STUDENT**” payable at Chennai from any Nationalized bank

Registration:

<https://forms.gle/NbxyBwMTYQuDNxgP7>

ORGANIZING COMMITTEE PATRONS

Dr. B. BABU MANOHARAN,
M.A., M.B.A., Ph.D.,
Chairman, St. Joseph's Group of Institutions

Mrs.B.JESSIE PRIYA, M.com.
Managing Director,
St. Joseph's Group of Institutions

Mr. B. SHASHI SEKAR, M.Sc.
Director, St. Joseph's Group of Institutions

Dr. P. RAVICHANDRAN, M.Tech., Ph.D.,
Principal, St. Joseph's Institute of Technology

CONVENERS

Dr. C.Gnana Kousalya M.E., Ph.D.,
Dr.G.Rohini M.E., Ph.D.,

CO-ORDINATORS

Dr.V.R Balaji M.E., Ph.D.,
Mr.T.Siva, M.E

VENUE: Embedded Lab

IMPORTANT DATES

Last date for Registration : 06-12- 2019
Intimation for the selection: 07-12-2019
Confirmation by Participants: 08-12-2019

BOARDING AND LODGING

Boarding and lodging facility for the participants will be provided at free of cost. An early response is requested to facilitate smooth arrangement.