

**IEEE Sponsored
National Workshop
On
Real Time Imaging, Machine Learning &
Internet of Things with MATLAB
4th & 5th JANUARY 2018**

Registration Form

Name : _____
Gender : _____
Qualification : _____
Designation/ Department : _____
Name of the Institution : _____
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Mobile Number: _____

Email: _____

Accommodation Required: **YES / NO**

Payment Details:

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Bank: _____ Amount: _____

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 governing the programme.

Place:

Date: _____ Signature of the Applicant

Photocopies of this form can be used for additional registration. **Last date: 29.12.2017**

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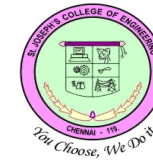
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Associate Professor/Dept.of ECE
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Organized by

**Department of
Electronics and Communication Engineering**

In association with

IEEE Student Branch

Venue:

Department of ECE

St. Joseph's College of Engineering

St. Joseph's Group of Institutions

OMR, Chennai- 119

Phone: 044 24501060 Fax: 044 2450 0861

<http://www.stjosephs.ac.in>

ABOUT THE INSTITUTION

St. Joseph's College of Engineering established in the year 1994, and has the watch word of **"You Choose, We Do it"**. Right from its inception, the College aims at offering Value Added Education suitable for meeting the industrial requirements in India and abroad. The College is approved by AICTE, New Delhi and affiliated to Anna University, Chennai and is listed among the 100 top ranking colleges in India which include IITs, NITs and several University Engineering Colleges by **"The National Institutional Ranking Framework (NIRF)"**, approved by the Ministry of Human Resource Development, Government of India.

ABOUT THE DEPARTMENT

The Department of Electronic and Communication Engineering with state-of-art research facilities and well qualified faculty members produces young aspiring Engineers ever since its inception in 1994. It offers both UG (B.E-Electronics and communication Engineering) and PG (M.E-Applied Electronics) under Anna University, Chennai and accredited by National Board of Accreditation (NBA). The department is well equipped with laboratories which include RF & Microwave Lab, Signal Processing, Networks, Optical, VLSI Lab and Embedded Lab. The department is also recognized as 'Research Centre' by Anna University, Chennai and offers PhD and MS (By research).

The department consistently strives for the overall development of the students by supporting them in all their endeavors through career development and placements activities. The Prominent and leading employers have made the placement record of the department excellent. Our faculty members besides teaching are involved in many activities like continuing education, technical consultancy, research & development, coordinating professional bodies such as OSA student chapter, IEEE student chapter and student guidance.

We are focused to bring together the eminent personalities in the academic institutions, industries and research organizations to facilitate exchange of innovative ideas in the fields of VLSI, Image processing, Networking, Embedded systems, Optical Engineering.

ABOUT THE WORKSHOP

The primary focus of this workshop is to serve as a platform for the convergence of cutting edge areas of fundamental research such as Machine Learning Algorithm,

Image Region analyzer, and Different Optimization models using MATLAB which is used to design innovative solutions in real world scenario. There is a growing need for professionals to have a great intuition of machine learning.

It also addresses the issues of another emerging field Think Speak in IOT integrated with image context right from basics to recent trends like deploying MATLAB Algorithms to the Web and provide promising frameworks for solving challenges in real world scenarios such as Industrial applications, Medical Analysis, Information Security, Healthcare, Home automation etc.

The analysis and applicability of Deep Learning for Image processing and IOT has gained prominence in the recent years to a community of researchers. Hands on training through this workshop will help to carry out research work and develop own applications that are socially relevant.

COURSE CONTENTS

The course will cover the following

- Basic of MATLAB
- Introduction to Math, Statistics and Optimization
- Working on Real Time Images
- Working on Biomedical Images from standard dataset
- Machine Learning algorithm
- Uses of ThingSpeak in IoT with MATLAB
- IoT and IoT Sensor Data
- Developing and Testing Embedded Devices
- Deploying MATLAB Algorithm to Web.
- Hands on Session in MATLAB for covered topics

TARGET AUDIENCE

- Faculty Members from Engineering Colleges
- Research Scholars
- PG Students
- Industry Professionals

RESOURCE PERSONS

- Experts from Academia and Industry
- Lecture and Hands on sessions for the course will be handled by **M/s. Design Tech & Math Works**.

REGISTRATION

A maximum of 30 registrations are permissible on the basis of first come first served. Participants can register through **email: wshopece@gmail.com** by sending the completely filled application form attached to the brochure. Acceptance of registration will be intimated through email or through phone call.

Registration fee:

Rs. 500/- for Non- IEEE members

Rs. 250/- for IEEE members

Registration fee per participant has to be paid in the form of Demand draft favoring **"St. Joseph's College of Engineering" payable at Chennai**.

Registration charges include Workshop Kit, certificate of Participation, Lunch and High-tea.

ACCOMMODATION

Limited accommodation is available at the college premises. Early booking is essential to avoid any disappointment. Lunch and Snacks will be provided.

IMPORTANT DATES:

Submission of Application : **29.12.2017**

Intimation of Selection : **02.01.2018**
(Through E-mail / SMS)

Confirmation of Participants : **03.01.2018**

CONTACT DETAILS

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