

Registration Form

Name : _____
Designation : _____
Organization : _____
Address : _____

Mobile No. : _____
E-mail ID : _____

DD/Cheque Information

Amount in Rs. : _____
DD/Cheque No. /Date: _____
Name of the Bank : _____

Signature of Participant : _____

Sponsorship:

Prof. / Dr. / Mr. / Mrs. _____

Will be allowed to participate in the above programme.

Place:

Date:

Approving/Sponsorship Authority
(Signature and Seal)

(For multiple Entries, use photo copy of this Registration Form or download it from website)

Chief Patrons

Sri G. S. Basavaraj,
Ex-Member of Parliament, Tumkur
Chairman, CIT Group of Institutions
Sri G. B. Jyothi Ganesh
Managing Director & Secretary,
CIT Group of Institutions

Patrons

Dr. Suresh D S
Director & Principal, CIT, Gubbi
Prof. Shantala C P
Vice Principal & HOD, Dept. of CSE
CIT, Gubbi.
Mr. Sanjeev Kubakaddi
CEO, itie Knowledge Solutions, Bangalore

Registration Details

Registration Fee:

- Academicians - Rs.300
- Industry person - Rs.500
- Research Scholar - Rs.300

Venue: CIT, Campus

Contact Details:

R. SEKAR, Assoc. Prof. Dept. of ECE
Mobile: +91-94490 61203
Website: www.cittumkur.org
Email: sekar.rp@cittumkur.org

NOTE:

- Registration Fee includes, Lunch and refreshments
- No TA/DA will be provided
- Limited Seats - First come First Serve basis
- Registration Forms must be send to above mentioned Email ID
- Last Date for Registration: **25th July 2016**

2 Days
Faculty Development
Programme

On

Open source Technologies for DSP
and Image Processing Applications

Date: 27th -28th July 2016

Organized by



Channabasaveshwara Institute of Technology
Gubbi, Tumkur

In association with



itie Knowledge Solutions, Bangalore

About CIT

Channabasaveshwara Institute of Technology (CIT) was established in the year 2001 and is affiliated to Visvesvaraya Technological University (VTU), Belgaum. It is located in an ideal and congenial environment on the outskirts of Gubbi town, Tumkur city on the Bangalore - Honnavar National Highway 206, 90 km from Bangalore, spread over 60 acres of lush green, landscaped campus. It is one among the Institutions run by Sree Channabasaveshwara Swamy Rural Education Society Regd. (CRED) Gubbi. The Chairman of the Society is Sri G. S. Basavaraj, Ex-Member of Parliament from Tumkur Constituency, Government of India.

At the time of inception, the college had a total intake of 180 students in the three undergraduate disciplines of Computer Science, Information Science and Electronics and Communication Engineering. In a short span of 10 years, the institute has grown significantly and has made a distinct name in the field of technical education. Today, the institute is offering 6 Undergraduate Programs and 4 Post Graduate Programs and the total intake of students is nearly 800. In addition, 5 Research centres in various faculty of Engineering disciplines are affiliated with VTU, Belgaum.

The college certified with ISO 9001:2008. In the year 2009 CSE and ECE departments were accredited by National Board of Accreditation (NBA), New Delhi.

CIT recognized with "Excellent Engineering Institute in Rural Area -Karnataka in National Karnataka Education Summit & Awards 2014 jointly presented by CMAI, New Delhi and VTU, Belgaum.

In the year 2016, CIT bestowed with "Excellent Engineering College in Rural India" in 10th National Education & Awards 2016, New Delhi.

About itie

Itie Knowledge Solutions is an embedded Biomedical Product Development, Consultancy and Technology Education Company started by IITians. itie Knowledge Solutions focuses on providing cutting edge R&D, Software development, and training solutions to industries and educational institutions. Their project support includes both India and international operations.

The itie team is grouped with number of experts from industry and academia, enabling to deliver technology solutions in the versatile areas.

Main mission of itie is to integrate the fundamental streams of engineering and information technology for the development of the novel business and knowledge solutions to meet the growing requirements of industries and educational organizations by constructing strong pools among them and by working in harmony with them.

About the Workshop

Open source software is software in which source code is available for modification or enhancement by anyone. "Source code" is the part of software that most computer users don't ever see; it's the code computer programmers can manipulate to change how a piece of software—a "program" or "application"—works. Programmers who have access to a computer program's source code can improve that program by adding features to it or fixing parts that don't always work correctly.

Open source tools / technologies are playing a vital role in the domain of Signal processing & image processing. This workshop focuses mainly on Scilab, Python, OpenCV for DSP & Image Processing applications.

Course Topics

- **Introduction to Scilab**
- **Handling Arrays & Matrix**
- **Flow Control**
- **Handling files**
- **Functions**
- **Plotting options**
 - Simple plots – 1D,2D, 3D
- **Basic Math operation**
- **Introduction to Matlab**
- **Interfacing Matlab and Scilab**
- **Basics of Signal Processing**
 - Basic DSP principles
 - Signals, system, convolution, correlation, digital filters, transforms, modulation
- **Scilab for 1D Signal Processing**
 - Simple Scilab examples
- **Basics of Image Processing**
 - IP in scilab examples
- **Scilab for control applications**
- **Python Training**
- **Getting Started with Python-Opencv**
 - **Introduction**
 - **Basic operations on Images**
 - **GUI Features**
 - **Changing Color Spaces**
 - **Geometric Transforms**
 - **Histograms**
 - **Filters**
 - **Thresholding**
 - **Edge Detection**
 - **Morphological Operation**
 - **Image Transformation**
 - **Python-Opencv sample Demos**