Somaiya Vidyavihar
Padmabhushan (Late) Shri K. J. Somaiya, an entrepreneur, philanthropist and visionary, established Somaiya Vidyavihar Trust in 1953. He had the vision and grit to achieve his dreams single-mindedly. He believed that education had to have its roots in strong values. Recognizing the need for imparting value-based education to today’s youth, he founded Somaiya Vidyavihar (SVV). It is a sprawling campus admeasuring over 60 acres and having more than 38 institutes with strength of 38,000 students and 2000 permanent teaching staff.

About KJSCE
K. J. Somaiya College of Engineering (KJSCE) is one of the leading institutes permanently affiliated to University of Mumbai. It started in the year 1983. It offers 5 under graduate programmes, 6 post graduate programmes and Ph.D.centre in Electronics and Mechanical Engineering. All UG programmes were provisionally accredited by NBA up to November 2015. It is the first self-financed engineering college affiliated to University of Mumbai to get an autonomous status. The campus placement records of our institute are a matter of pride for the students as well as the faculty.

About the Department
Department of Electronics Engineering was established in 1983. The sanctioned intake of the department is 120 at UG, 18 at PG and 10 at Ph.D. The Department offers several major areas of study and the faculty takes cumulative efforts of enhance learning by conducting various workshops, seminars and short term training programs.

Workshop Objectives
This workshop provides a solid theoretical background of Multi-rate filter bank and Wavelet transform. It is expected to benefit to many applications of various field. Upon completion of the course, you would be able to be familiar with approaches for designing filter bank and understand the concepts and theory behind wavelets constructions from an interdisciplinary perspective. It unifies harmonic analysis (mathematics), filter banks (signal processing), and multiresolution analysis (computer vision). Ultimately, the course is to motivate faculty, researchers and students from various disciplines to utilize wavelet transform in their research successfully.

Course Contents
1. Fundamentals of Multi-rate Signal Processing
2. Journey of Wavelet
3. Continuous Wavelet Transform
4. Discrete Wavelet Transform
5. Implementation of 2 band Wavelet by using filters.
6. M-Band Wavelet Transform
7. Design of Rotated Wavelet
8. Application of Wavelets for CBIR
9. Application of Wavelets for Biometrics (Iris and finger prints)
10. Application of Wavelets in Diabetic Retinopathy.

Eminent Speakers
Dr. M. B. Kokare, Ph.D. (IIT, Kharagpur). BOYSCAST Post-Doctoral Research Fellow, University of California Santa Barbara, USA. Faculty, Dept. of Electronics & Telecomm. S.G.G.S Institute of Engg & Tech, Nanded.

Dr. Jagannath Haridas Nirmal
Ph.D. (SVNIT, Surat) Faculty, Dept of Electronics Engg.

Organizing Committee
Patrons
- Mr. Samir Somaiya
  President, SVV
- Mr. V. Rangnathan
  Hon. Secretary, SVV
- Dr. Rajan Welukar
  Provost -SVV

College Advisory Committee
- Dr. Shubha Pandit
  Principal
- Prof. Anil S. Thosar
  Vice Principal.
- Dr. Nandkumar R Gilke
  Vice Principal
- Dr. Ramesh G Karandikar
  Dean Academics

Convener
- Prof. Lekha Das
  Head, Department of Electronics Engineering

Course Coordinator
- Dr. Jagannath.H.Nirmal
  Faculty, Dept. of Electronics Engg
Registration Form
Multi-rate, Wavelet Transform and its Applications
March 18-19, 2016

Name: ___________________________
Designation: ______________________
Department: ______________________
Organization: ______________________
Address: __________________________
_________________________________
_________________________________
Contact: __________________________
Email (Compulsory): __________________________
Cash\Cheque\DD No. __________________________
Amount: __________________________
Date: __________________________
Name of the bank: __________________________

* Accommodation required: Yes/ No
Signature of Participant

* Limited accommodation can be provided on chargeable basis

Course Schedule
Duration: March 18-19, 2016
Timings: 9.30 a.m. – 5.15 p.m.

Who Can Apply
This course is addressed to faculty members, research scholars, PG students and working professionals of any discipline of engineering

Course Fee: 1500/-

Details of Demand Draft
The account payee draft should be drawn in favor of “K.J.Somaiya College of Engineering” payable at Mumbai.

Last Date of Registration
March 15, 2016
Registration form available on our college website
www.somaiya.edu/kjsce

Contact Details
Email
jhnirmal@somaiya.edu
hodetrx@somaiya.edu

Dr. Jagannath Haridas Nirmal
(Cell No: 9167130111 Office: 022-66449213)
Prof. Lekha Das
Head, Department of Electronics Engineering.
(Cell No: 9819043763, office: 022-66449175).

Two Days Workshop
On
Multi-rate, Wavelet Transform and its Applications
March 18-19, 2016

Organized by
Department of Electronics Engineering.
K. J. Somaiya College of Engineering
Vidyavihar, Mumbai. 400 077
(Autonomous College, affiliated to University of Mumbai)

Phone: 022 6644 9191
Fax: 022 2515 2272
www.somaiya.edu/kjsce