About the Organizing Institute

Shri Randeobaba Kamla Nehru Engineering College, Nagpur, a self-financed institute was established in year 1984 by a charitable trust; Shri Ramdeobaba Sarvajanik Samiti. The institute has celebrated its silver jubilee in the year 2009. Currently the Institute runs nine engineering undergraduates courses and seven P.G courses. The Institute is offered "A" grade by Directorate of Technical Education Maharashtra State and is accredited for all its branches. It is ISO 9000-2008 certified Institute. It is the first choice of the meritorious students of this region for engineering admission and judged as 2nd in Private un-aided Engineering colleges in Maharashtra and ranked 42nd amongst all throughout India according to 'Outlook' Magazine survey. The Institute is permitted by AICTE for admission to foreign Nationals and wards of Persons of Indian origin Quota. The Institute is located in the heart of the city which is geographic heart of our country.

Orange City- Nagpur

Nagpur, popularly known as Orange city is located in the center of India and is well connected by air, rail, and road with major cities of the country. The city is currently in the lights due to the proposed international cargo hub. The airport is nearly 10 Kms and Central Railway Station is just 4 Kms from the Institute. Nagpur is surrounded by number of tourist spots such as Ramtek, Pench & Tadoba tiger Reserves. The month of March is Moderately hot in Nagpur.

Contact Information

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Prof. Rajesh B. Raut
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Coordinator of the workshop
Cell No. 09823404432
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SRKNEC, Gittikhadan, Katol Road, Nagpur-440013

Eligibility

Faculty members of Electronics/Electronics & Telecommunication/Computer Science & Engg/Information Technology/Electrical Applied Mathematics are eligible to attend the workshop.

Registration Details

Faculty members from Institutes affiliated to various Universities and recognized by AICTE across the country can participate, with a refundable registration amount of Rs. 1000/- in the form of a demand draft in favor of **"Principal, SRKNEC, Nagpur"**, payable at Nagpur. Registration fee will be refunded on completion of the workshop. The registrations should reach us on or before 22nd March 2011.

Participants are required to :
i) register on-line through the link http://scilab.in/registration, and
ii) post the duly filled up registration form (available with this brochure) along with the DD to the coordinator at the address mentioned in contact information.

Participants are requested to get their own Laptops so that they can get Scilab installed on it. Participants those who can bring the laptop will be given preference.

Accommodation and Travel

Limited on-campus accommodation is available at SRKNEC, on a first-come-first-serve-basis.
Travel by 3-tier AC and partial rental expenses will be reimbursed to outstation participants according to the government-project rules.

Important Dates

- Registrations open   01/03/2011
- Last date for registration   22/03/2011
- Informing about acceptance of
  participation   24/03/2011

Organizing Committee:
Prof. Vipul S. Lande
Prof. P. R. Selokar
Prof. Ms. P. K. Parlewar

MHRD, Govt. of India Sponsored Workshop on

"Open Source Computational Platform - Scilab"

Jointly Organized by
Department of
Electronics & Communication Engineering
Shri Ramdeobaba Kamla Nehru Engineering College, Nagpur
and FOSSEE-Project
Indian Institute of Technology, Bombay

fossee
better
SCIENCE AND ENGINEERING
education

March 30 - April 2, 2011

Venue

Department of Electronics & Communication Engineering

Shri Ramdeobaba
Kamla Nehru Engineering College

Gittikhadan, Katol Road, Nagpur-440013

Contact No.: (0712) - 2580011

Fax No.: (0712) - 2583237

Web site: http://www.rknec.edu/i/scilab_workshop.html

The FOSSEE Project

The National Mission on Education through Information and Communication Technology (NMEICT) was launched in India by the Ministry of Human Resource Development (MHRD), Government of India, with the objective of enabling the students and faculty of Science and Engineering colleges/ institutes/ universities across India to use open source software tools for all their computational needs, thereby improving the quality of instruction and learning.

The FOSSEE (Free and Open Source Software for Science and Engineering Education) project is funded by the NMEICT and is based at the Indian Institute of Technology Bombay (IITB), Mumbai. Scilab is a major component of this project.

About Scilab

Scilab is a cross-platform, free (free of cost and free to distribute and modify) and open source numerical computational package and an easy-to-use interpreted, high-level matrix based programming language with a versatile inbuilt mathematical library.
Scilab can be used for :
Graphing and Data Visualizations, Control, Signal Processing, Statistical Analysis, Image Processing, Fluid Dynamics, Linear Algebra, Numerical Optimization, Modeling and Stimulation of Dynamical Systems and a variety of other purposes in engineering, mathematics and the sciences.
Its capabilities can be extended through the use of readily available or custom made toolboxes where the extensions can be written in ubiquitous lower level languages like Fortran and C.
Scicos/Xcos is a graphical dynamical system modeler and simulator. In many respects, it is similar to proprietary packages like Simulink, LabVIEW and Dymola. With Scicos/Xcos the user can create block diagrams to model and simulate the dynamics of sophisticated dynamical systems and compile such models into executable code.

It is a perfect replacement of Matlab for most purposes and is mentioned in the syllabi of various Universities.

Objective of the Workshop

The objective of this workshop is to enable participants to use Scilab, to provide a hands-on experience on Scilab, and to teach Scilab at various levels as per the requirement of the respective University curriculum. Participants familiar with Matlab are likely to benefit more from this workshop.

Speakers

Following speakers from IIT Bombay will conduct the sessions on advance topics:

Dr. Madhu Belur
Mr. Aditya Sengupta
Mr. Giridharan S.
Mr. Sonanya Tatikola
Mr. Vishwesh Vyawahare

List of the topics that we can cover, in addition to the basic Scilab programming tools:
- Control Systems
- Real time interface and Data Acquisition
- Block diagram simulation (Xcos)
- Image/Video Processing
- Signal Processing and filter design
- Wavelets
- Communication
- Neural Networks and Fuzzy logic

Participants who are keen to include certain additional topics of their choice are requested to inform the organizers well in advance.

Note : Participation certificate will be awarded only after clearing the basic online test either during or after the workshop. The course material required for the test is available at out other website: http://spoken-tutorial.org

Shri Ramdeobaba Kamla Nehru Engg. College, Nagpur
Workshop on Scilab
(March 30 – April 2, 2011)

Registration Form

Name: _____

Designation/Dept.: _____

Qualification : _____

Experience : _____

Institute: _____

Address: _____

_____

_____

Mobile : _____ Phone: _____

E-mail: _____

Accommodation Required: Yes/No

Can you bring your laptop
for the workshop? :   Yes/No

Payment Details :

D.D. No. _____ Dated : _____

Bank : _____

Amount (in figure) : _____

Rs.: _____
(DD should be in favor of "Principal, SRKNEC" payable at Nagpur.)

Signature of The Participant with date

Sign & Seal of
Sponsoring Authority