

## About the workshop

Under the project "Use of Open Source Software for Teaching of Mathematics" the second **5-day workshop** will be held during 27<sup>th</sup> September to 1<sup>st</sup> October 2010 on **Scilab Advanced**

**Scilab:** A Free open source software for **numerical computations**.

The scientific software package (<http://www.scilab.org>) that provides a powerful open computing environment for engineering and scientific applications. It is currently being used in educational and industrial environments around the world. It is distributed freely through the Internet since 1994.

**Scope:** Participants will be exposed to various abilities of Scilab, which will be useful for teaching and research. Problem solving sessions will help participants to learn Scilab at comfort level.

The workshop aims to guide participants in using advanced features available in Scilab. Also Scicos/Xcos, a dynamical system modeler and simulator, will be introduced.

## Who can apply for the workshop?

- Person should be familiar with basics of Scilab or Matlab.
- College teachers/ registered research students
- Students (M.Sc./ Engineering/Under

Graduates from  
IISER/IIT/B.Math)

- Professionals

## Workshop registration process:

- Register online with the form available at <http://fossme.bprim.org>
- After clicking the submit button the form will be automatically mailed to your email id specified by you in the form.
- Take the printout and get the form signed and stamped from head of department/principal, college/institute.
- 25 selected outstation participants (college teachers/ registered research students) will be provided travel support and local hospitality.
- 15 local participants can be accommodated in the workshop.
- List of selected participants will be announced on the website by 3<sup>rd</sup> September, 2010.
- To confirm participation selected applicants are required to send a D.D of **amount\*** specified in the **Participation Fee Section** in favour of "**Bhaskaracharya Pratishthana Pune**".

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### Last Date for registration

Monday 27<sup>th</sup> August, 2010

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## Course Contents:

- Revision of functions, File handling
- Linear algebra, Numerical methods
- Differential equations
- Scicos /Xcos: Simulator
- Advance Graphics : Drawing vector fields, Graphics tool box
- How to write equivalent code in Scilab? Bug report (Method)
- Symbolic tool box, Number Theory tool box etc.

## Speakers:

- A. B. Raju, Engg. College, Hubli
- Satish Annigiri, Engg. College, Hubli
- Madhu Belur, IIT Bombay
- Mani Bhushan, IIT Bombay
- Manjusha Joshi, BP, Pune
- S .A. Katre, Pune University
- Kannan Moudgalya, IIT Bombay

## \*Registration Fee

Outstation college teachers/ registered research students: 1,000 Rs.
Local college teachers/ registered research students: 500 Rs.
Students (M.Sc./ Engineering/ Under Graduate from IISER/IIT/B.Math): 250 Rs.
Professionals: 2,500 Rs.
Foreign participants: 5,000 Rs.
Fee will be refunded to Indian academic participants on successful completion of workshop and exam.

## About BPRIM

Bhaskaracharya Pratishthana is an educational and research institute in Mathematics and it conducts special lectures/courses in Mathematics up to research level. The institute has organised national level workshops in Mathematics for research students and teachers and has organised many such workshops earlier on LaTeX and Mathematical Software in an efficient manner. More information about the institute is available at [www.bprim.org](http://www.bprim.org)

## About MHRD

One of the aims of the Ministry of Human Resource Development (MHRD), Govt. of India and this project is to facilitate the absorption of existing FOSS alternatives to commercial packages for maths education, both in learning and teaching.  
<http://www.sakshat.ac.in>

## Upcoming workshops

- **Nov 22<sup>nd</sup> to Nov 26<sup>th</sup> 2010:**
  - **Workshop on advanced LaTeX**
- **Jan 27<sup>th</sup> to Jan 31<sup>st</sup> 2011:**
  - **Introduction to CAS (Computer Algebra system)**



# Scilab Advanced Workshop

(under the project at Bhaskaracharya  
Pratishthana funded by MHRD.)

<http://fossme.bprim.org>

**September 27th to October 1st,  
2010**

**Organized by**



**Bhaskaracharya Pratishthana**  
Research Institute of Mathematics  
Pune, Maharashtra.

<http://www.bprim.org>

## Contact/Postal Address:

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## Venue:

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off Law College Road, Erandawane,  
Pune – 411004,  
Maharashtra, India

## Advisory Committee:

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