



# TEQIP Supported Workshop on Computational Maths with Sage

September 23-24, 2016  
Department of Mathematics  
Institute of Chemical Technology, Mumbai



## What is Sage?

Sage is a free and open source computer algebra system (CAS) with potential similar to commercial software like Mathematica, Maple, MatLab and Magma. It builds on top of many existing open-source packages such as NumPy, SciPy, Matplotlib, Sympy, Maxima, GAP, R and many more. Sage uses Python as its primary language which is simple and a powerful language becoming immensely popular among the scientific community. It is a great pedagogical tool which can also be used heavily at the research level.

## Aim of the Workshop

The main aim of this workshop is to give a basic introduction and hands-on to the Sagemath software and demonstrate its numerical and symbolic capabilities to solve mathematical problems. Many applications in calculus, linear algebra, number theory and optimizations will also be covered.

## List of Speakers

- Dr. S. Krishnan, IIT Bombay
- Dr. N. Narayanan, IIT Madras
- Dr. P. S. Srinivasan, Bharathidasan Univ. Trichy
- Dr. Ajit Kumar, ICT Mumbai

## Organizing Committee

Dr. Ajit Kumar, ICT Mumbai (Convener)  
Dr. Amiya Bhowmick, ICT Mumbai  
Dr. A. K. Sahu, ICT Mumbai

## Who Can Apply?

Mathematics Teachers teaching at UG and PG level, Research Scholars, and PG Students.

**Seats are limited.**

## Registration

Please fill the registration form online by login to the site:

<https://sites.google.com/site/sageictmumbai/>

The last date for registration is September 15, 2016. The selected candidates will be informed of their selection by Sept. 18, 2016.

### Registration Fees:

Rs. 1000/- for Non ICTians

Rs. 500/- for ICTians

Registration fee can be paid in cash at the registration desk.

## Correspondence

Dr. Ajit Kumar

Dept. of Mathematics,

Institute of Chemical Technology Mumbai

Matunga, Mumbai 400 019

Email: [a.kumar@ictmumbai.edu.in](mailto:a.kumar@ictmumbai.edu.in)

Contact: 3361 2681, 9969031202

## Websites

ICT Website: [www.ictmumbai.edu.in](http://www.ictmumbai.edu.in)

Conference Site: <https://sites.google.com/site/sageictmumbai/>