

Organizing Committee

Patron	Dr. Manikantan Nair V Principal Dr. G. N. Prakash Head, Department of Mathematics
Co-ordinator	Sri. Krishnadas K. Assistant Professor
Joint Co-ordinator	Dr. Jomy John Head, Department of Computer Science
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Programme

26th October 2018 (Friday)

Registration	8.45 am to 9.30 am
Inauguration	9.30 am to 10.00 am
Session 1 Speaker Topic	10.00 am to 11.30 am Dr. K. Vishnu Namboothiri Basics of Python Programming
Tea Break	11.30 am to 11.40 am
Session 2 Speaker Topic	11.40 am to 1.10 pm Dr. K. Vishnu Namboothiri Doing Math with Python
Lunch Break	1.10 pm to 1.40 pm

Session 3 Speaker Topic	1.40 pm to 3.10 pm Dr. Noufal A Doing Math with Python continuation
Tea Break	3.10 pm to 3.20 pm
Session 4 Speaker Topic	3.20 pm to 4.50 pm Dr. Noufal A Python : Plotting
27th October 2018 (Saturday)	
Session 5 Speaker Topic	9.30 am to 11.00 am Dr. P. S. Sreenivasan Preparing LaTeX Documents: A brief introduction
Tea Break	11.00 am to 11.15 am
Session 6 Speaker Topic	11.15 am to 12.45 pm Dr. P. S. Sreenivasan Various necessary components to include in an article
Lunch Break	12.45 pm to 1.30 pm
Session 7 Speaker Topic	1.30 pm to 3.00 pm Dr. P. S. Sreenivasan Layout of an article and a question paper
Tea Break	3.00 pm to 3.10 pm
Session 8 Speaker Topic	3.10 pm to 4.40 pm Dr. P. S. Sreenivasan Mathematics typesetting made easy & various math packages
Valedictory Session	4.45 pm to 5.00 pm

National Workshop

on
Math Computing
October 26-27, 2018

Organized by



**The Department of Mathematics
and
The Department of Computer
Science**

**Panampilly Memorial
Government College, Chalakudy
Thrissur, Kerala**

Sponsored by

**Directorate of Collegiate Education,
Government of Kerala**

$$\frac{a+b}{a} = \frac{a}{b} = \phi \approx 1.61803$$

Sir/Madam,

The Department of Mathematics and Computer Science, Panampilly Memorial Government College, Chalakudy are conducting a two day National Workshop on Math Computing on 26th and 27th October, 2018 with the support of the Directorate of Collegiate Education, Government of Kerala. We solicit the esteemed presence and active participation of students and faculty from your institution.

With warm regards,

Dr. Manikantan Nair V.
Principal

Sri. Krishnadas K
Co-ordinator

Dr. Jomy John
Joint Co-ordinator

About the College

Panampilly Memorial Government College, Chalakudy, established in 1975, is wholly owned and managed by the Government of Kerala. It marked the fulfilment of a long cherished dream of the people of this semi-urban highland geographical entity. The college is situated at Potta, 6 km away from Chalakudy town. It is named after the late Sri. Panampilly Govinda Menon, prominent National leader and one of the foremost architects of modern Kerala.

About the Departments

The department of Mathematics was established as a UG department in 1998. In 2012, it was upgraded with PG in Mathematics. We frequently conduct national level seminars/workshops. The department has been organising a monthly lecture series titled MATHLET (Mathematical Analysis

Through Hearty Lectures by Eminent Teachers) for PG students from August 2016.

The department of Computer Science was established in 1998, offering complementary course in Computer Science for undergraduate programmes and has been co-operating with activities to enrich the fraternity.

About the Workshop

The Departments of Mathematics and Computer Science are conducting a two day national workshop on L^AT_EX and Python for the benefit of the academic community. The workshop aims to enhance the documentation skills in L^AT_EX and programming skills in Python.

L^AT_EX, a free open software, is an extremely powerful markup language for creating structured documents. It is a standard writing tool for documents involving a large number of mathematical equations making it efficient for writing research publications. The workshop will explore the basics of creating simple documents as well as advanced topics including plotting of graphs, bibliography and beamer.

Python is portable, flexible, user-friendly general purpose programming language for developing complex scientific and numeric applications. The navigation of the workshop begins with core concepts of Python giving emphasis to NumPy and SciPy. The workshop is scheduled to have a significant amount of hands-on-hours of practice of all important concepts of Python and L^AT_EX.

Who can participate?

The participants will be benefited more if they have basic knowledge of some programming language. They preferably should know at least

what L^AT_EX is useful for. The participants are expected to bring a (preferably Linux OS installed) laptop preloaded with Python 3.x and L^AT_EX.

Registration

There will be no registration fee. Those who wish to participate in the National workshop are requested to contact the Co-ordinator, on or before 22nd October 2018. The department will provide local hospitality to all the registered participants. All the participants would be eligible for duty leave as per order no. P1/41437/04/COLL. EDN. dated 20.11.2004

Contact

Sri. Krishnadas K. (Mob. No. 9447411354)

Dr. Jomy John (Mob. No: 9446438725)

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Invited Speakers

Dr. P. S. Srinivasan
Department of Mathematics
Bharathidasan University
Tiruchirappalli

Dr. K. Vishnu Namboothiri
Department of Mathematics
Government College, Ambalappuzha
Alappuzha

Dr. Noufal A.
Department of Mathematics
Cochin University of Science and Technology
Cochin, Kerala