python™

Workshop

IISc-SIAM Student Chapter welcomes you all for participating in the two days long workshop on

"Python programming"

Mr. Arun Prasaad Gunasekaran

Arun is an avid science and maths enthusiast with a big flair for programming and writing. He is a former PhD student from CAOS, dept, IISc who has been using Python for more than 5 years. He's currently working as an associate content creator in an EdTech firm. He started his own YouTube channel wherein he posts educational videos on opensource software/programs/OS such as Fortran, Python, LaTeX, Linux, and many other things.

Registration is FREE..!
Use following QR code or see the broadcast email for registration

CONTENT

Oct 19, Session 1 (9.15 A.M. to 11 A.M.):

A small intro to Python, Basic parts of the language: Comments, DocStrings, Primary Data Types, Operations, operators, Lists, Tuples, Dictionary, built-in functions, loops, if-construct, functions, and modules.

Oct 19, Session 2 (11.30 A.M. to 1 P.M.):

Writing some simple programs using these above concepts. And a gentle introduction to NumPy and Matplotlib.

Oct 20, Session 3 (9.15 A.M. to 11 A.M.):

Data Visualization using Matplotlib with Datasets - and animation - few programs. And simple code-speedups using Numba.
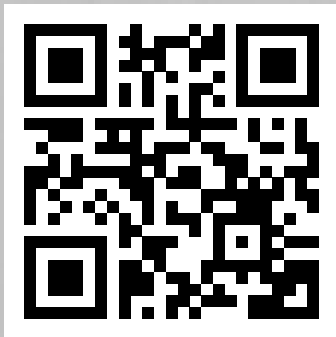
Oct 20, Session 4 (11.30 A.M. to 1 P.M.):

Part 1: (hands-on) Running Python scripts in a terminal, Introduction to Jupyter Notebooks, Jupyter Slide Show - HTML notes, Markdown, LaTeX, and PDF conversions.

Part 2: (Presentation, Demos, and Questions) Common python libraries that are quite useful; Demonstrations of f2py, and Cython; Brief mention about sphinx; "Zen of Python".

The aim of IISc-SIAM student chapter is to encourage academic activities at IISc, such as technical talks, lecture series, workshops etc., related to areas which cooperate between mathematics, science and technology.

VENUE :

Golden Jubilee Hall,
ECE Dept., IISc

DATE & TIME :

Oct 19 & 20, 2019

9 A.M. to 1 P.M. ☕ @11 A.M.