Online Short Term Training Programme (STTP)
on
"Python Programming for Students, Engineers & Researchers"
26 Dec. - 30 Dec. 2022

Organized by

Department of Mathematics and Humanities,

S. V. National Institute of Technology, Surat – 395007, Gujarat, India

In Association with the
CCE, SVNIT

ABOUT SVNIT

The Institute, one of the pioneering engineering institutions of the country, was established in 1961 as Sardar Vallabhbhai Regional College of Engineering & Technology and was given a status of National Institute of Technology, in 2002. At present, there are Six undergraduate courses, Eighteen postgraduate courses, Three M.Sc. Five Years Integrated Programmes and Ph.D. programmes in all disciplines of engineering and applied sciences. It has an excellent placement record with a number of top-ranking companies visiting the campus. The whole campus has connectivity of the internet with fiber optic network including faculty quarters and student hostels.

The Department of Mathematics & Humanities has always believed in striving for excellence in research and teaching and succeeded in this endeavour to a large extent. Over the years, the department has evolved as one of the epicenter of research in Gujarat, India.

In the pursuit for research the Faculty members of the department have covered a vast area such as Numerical & Classical methods in fluid mechanics, Special functions, Integral Transforms, Approximation theory, Operator theory and Fuzzy logic, Mathematical Modeling, Numeric of differential equations, fractional differential equations, Mathematical and Computational Biology, Bioinformatics, Techno innovation to Techno entrepreneurship, General Management, Entrepreneurship, Marketing, Post Modern Fiction and Indian English Fiction.

ABOUT CCE

Center for Continuing Education (CCE) was established in Feb-2017 at SVNIT with Prime objective to imparting skill developing training programs to faculty, research scholars, UG/PG students, industry professional through planning and organizing Workshop/STTP/Expert talks on the concept of Self-Sustainability approach as per MHRD Guide-lines.

PATRON

Prof. Anupam Shukla

Director,
SVNIT, Surat.

CHAIRMAN

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COORDINATORS:

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Dr. Saroj R. Yadav
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Department of Mathematics and Humanities,
SVNIT, Surat.

PROGRAMME OBJECTIVE

Python is a widely used high-level, general purpose, interpreted, dynamic programming language. Its design philosophy emphasizes code reliability, and its syntax allows programmers to express concepts in fewer lines of code. This makes Python one of the most popular programming languages, widely used for data

analysis and modelling, so becoming the leading choice for scientists and engineers.

Python works as a simple programming language for beginners, but more importantly, it also works great in scientific simulations and data analysis. This training program on Python programming language aims to show how clean language design, ease of extensibility, and the great wealth of open source libraries for scientific computing and data visualization are driving Python to become a standard tool for the programming scientist.

This training program is targeted at Master or Ph.D. students, Post-docs, Faculties, Engineers & Researchers from all areas of science. In these five days, first two days aims to introductory sessions followed by a selection of advanced programming techniques and best practices which are standard in the industry, but especially tailored to the needs of a students, faculties engineers and scientist. Lectures are devised to be interactive and to give enough time to acquire direct hands-on experience with the materials.

What You'll Learn

➢ Basics of Python Programming

➢ Mathematical libraries, Visualization

➢ Stats libraries in Python

➢ PDE solving using python

➢ Machine Learning in Python

WHO CAN ATTEND?

Though there is no limit, this training program is open to

➢ Academician , Researchers & Engineers
➢ Industry personnel

➢ Research Scholars, Post-docs
➢ PG students

❖ Participants are advised to keep laptops for hands-on practice during all sessions.
❖ The certificate of participation will be issued to all candidates after completion of the program.
❖ Time: 10:00 AM Onwards (Daily)

RESOURCE PERSONS

The lectures in the course will be delivered by eminent personalities and experts in the area from IITs, NITs, SVNIT Surat and other reputed academic institutions and universities from India and abroad.

Registration

Details of account for Program Fee Submission:
Account Holder name: **Director, SVNIT-CCE**

SBI Account Number: **37030749143**

Branch Name: **SBI, SVRCET Branch**

Bank IFSC : **SBIN0003320**

NOTE: Please mention **"STTP-Python(DoMH)"** in the description/ remark during payment and attach payment proof while registering through Google Form.

➢ **Online Registration link:**

Click for the Registration

Google Meet link will be shared with the participants before the beginning of the programme.

Organizing Committee

Patron: Prof. Anupam Shukla

Chairman: Dr. V. H. Pradhan

Coordinators:

Dr. Jayesh Dhodiya

Dr. Saroj R. Yadav

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