

## ABOUT THE COLLEGE

Sreyas Institute of Engineering & Technology was established in the year 2011 under the aegis of Sreyas Educational Society. The Institute endeavors to impart high quality, competency based technical education in Engineering and technology to students with skills and abilities to face challenging needs of industry and society. The Institute is approved by All Indian Council for Technical Education (AICTE), New Delhi and affiliated to JNTUH.

## ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering since its inception in the year 2011 offers program keeping in pace in technological advancements. Currently Department offers Undergraduate course B.Tech in CSE with an intake of 240 students, AI and ML with an intake of 120 and also Data Science with an intake of 120 students. Importance to practical training which lay great stress on "hands on" experience besides a sound theoretical background is practiced. Short term courses and technical lectures by eminent professors and professionals are arranged on a regular basis to broaden the knowledge spectrum of students. The state-of-the-art Computer Center has more than 1000 computers with 100 Mbps internet connectivity. The department has highly qualified and well experienced faculty to offer both class room teaching and practical instructions. The department has established Industry ready training academies such as Google Cloud, CISCO, AWS (Amazon Web Services), Oracle, Robotics Process Automation etc., It has an excellent track record of the placements, more than 80% students are placed in well reputed Multinational Companies. The Department motto is "Step into Learn and Step out to Serve".



## RESOURCE PERSONS

*Prof. M. Naresh Choudary  
Dept. of CSE (AI & ML)*

*Prof. A. Swathi  
Dept. of CSE*

## REGISTRATION LINK

<https://forms.gle/pE9AtURKKnaEYc169>



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## A TWO-WEEK SKILL DEVELOPMENT PROGRAM

### A Boot Camp on Python Programming

From 12<sup>th</sup> – 25<sup>th</sup> May, 2021

[Time: 3:00 PM – 04:30 PM]

## ORGANIZED

BY

DEPARTMENT OF  
COMPUTER SCIENCE AND ENGINEERING



**SREYAS**  
INSTITUTE OF ENGINEERING  
AND TECHNOLOGY





## WHAT IS PYTHON?

Python is a general-purpose high-level programming language whose design philosophy emphasizes code readability.

## WHY PYTHON?

- | Easy to learn
- | Portable and cross-platform.
- | Full-fledged programming language.
- | Excellent scientific computing libraries.
- | Supports both Procedural and Object-Oriented Programming.
- | SAGE, NumPy, SciPy, Matplotlib and Cython make Python an open-source alternative to MATLAB, Mathematica, Magma and Maple.

## APPLICATION OF PYTHON

- | User Interfaces
- | 2D/3D Graphics
- | Web development
- | Exploration and Visualization
- | Numeric and Symbolic computation
- | High Performance Parallel Computing

## WHY SHOULD YOU ATTEND?

- | Fully Hands-on. Interactive Learning.
- | Opportunity to learn one of the popular and applicable programming language.

## CHIEF PATRONS

Sri. Ananthula Vinay Kumar Reddy, Chairman  
Sri. Chintala Ravindranath Yadav, Secretary  
Sri. Nirvetla Sharath Reddy, CEO & Treasurer  
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Principal, Professor of CSE

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Professor of CSE

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Prof K Ramya Lakshmi, CSE  
**Prof A.V Srinivass, CSE**

**Further Details Contact:**  
**8142548912 & 9502222689**

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Prof. P Sri Harsha, Incharge, Datacenter  
Prof. Suresh Babu, Controller of Examination

## TOPICS COVERED

- ❖ History of Python, Installation, Python features, Bytecode, Python Indentation, Python Comments, Variables, Python Keywords, Python I/O and Operators
- ❖ Control Statements, Numbers and Strings
- ❖ Lists, Tuples and Dictionaries
- ❖ Other Built-in Types, Unsupported Types and Files
- ❖ Exceptions, Modules and Packages: Numpy
- ❖ Modules and Packages: Pandas, Matplotlib, Scipy, Scikit-learn, Tensor Flow, PyTorch and Keras.

## WORKSHOP OBJECTIVE

- ❖ Provide insights into Python Programming to write simple programs, design & develop micro applications in real time and confidently move towards advanced python.

## SALIENT FEATURES

- ❖ 100% Hands-on Training will be given
- ❖ Participant-centered learning material (Softcopy) will be provided
- ❖ Regular Programming Exercises & Assignments will be given
- ❖ List of Programs with Solutions will be provided.
- ❖ Assessment test will be conducted after the workshop
- ❖ E- Certificate will be provided to the eligible participants (80% of attendance & 60% of marks in the assessment test)