## 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. Al 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



## **ORGANIZING COMMITTEE**

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Dr. T. HariPriya, H&S

Dr. A. Hymavathi, H&S Dr. A. Prabhakar Reddy, H&S

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Mrs. G. Sujatha, H&S

# 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









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 Sri. Ananthula Hriday Reddy, Vice-Chairman

#### **PATRON**

**Dr. S. Sai Satyanarayana Reddy,** Principal, Professor of CSE

#### **CONVENERS**

**Dr. Shaik Abdul Nabi**, Professor & HOD - CSE

**Prof Md. Naseeruddin,** HOD - H&S

#### **CO - CONVENER**

**Dr. S Venkata Achuta Rao**Professor of CSE

#### **COORDINATORS**

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

Further Details Contact: 8142548912 & 9502222689

#### **ADVISORY COMMITTEE**

Dr. Suresh Akella, Dean - R&D,
Dr. J.Panduranga Rao, Dean - IQAC
Prof. B. Sreenivasu, HOD - ECE.
Dr. A C Umamaheshwer Rao, HOD - MECH
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Dr. Jayaram, HOD-DS
Dr. V. Goutham, Professor, CSE

Dr. M. Purushotham, Professor, CSE

Dr. D. Shanthi, Professor, CSE

Dr. N Swapna Suhasini, Professor, CSE

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

### **TOPICS COVERED**

- History of Python, Installation, Pythonfeatures, 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 advancedpython.

# **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)



#### INSTITUTE OF ENGINEERING AND TECHNOLOGY

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# SUMMARY REPORT ON "BOOT CAMP ON PYTHON PROGRAMMING" organized by Computer science and engineering department of Sreyas institute of engineering and technology from 12<sup>th</sup> May 2021 – 25<sup>th</sup> May 2021

With an Objective to acquaint the students with knowledge of programming on python to provide insights to write simple programs, design & develop micro applications in real time and confidently move towards advancedpython. This skill development program was conducted online virtually for 2 weeks from 12<sup>th</sup> May to 25<sup>th</sup> May 2021 which was organised by Computer science and Engineering Department through Microsoft Teams.

This Program was inaugurated by our chief guest and Patron Dr. S. Sai Satyanarayana Reddy, Principal, Professor of CSE. Conveners of this workshop are Dr. Shaik Abdul Nabi, Professor & HOD - CSE Prof Md. Naseeruddin, HOD - H&S CO - CONVENER is Dr. S Venkata Achuta Rao Professor of CSE COORDINATORS are Prof K Ramya Laxmi, CSE and Prof A.V Srinivass, CSE.

The resourse persons Prof.M.Naresh Choudary from AI&ML and Prof.A.Swathi who were the faculty members of Sreyas institute of engineering and technology

Prof.M.Naresh Choudary taught the concepts from History of Python to indepth of modules and packages. Assignments and assessments were given to the students. Students who have performed well in the assessment were given rewards as the best performer.

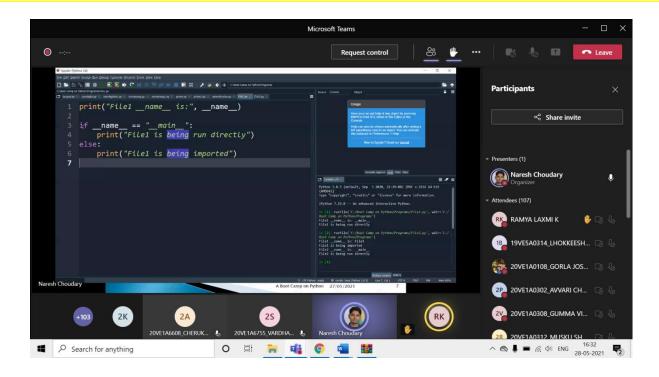
Two watsapp groups are created for 200+ registered students. Teaching materials and documentations are shared to all the students who ever participated in the boot camp of python programming. The skill development program was held from 3.00 pm to 4.30 pm for 2 weeks.

The event was a successful one. The workshop was relevant to the title and were well-appreciated by the students. After completion of this workshop students have felt encouraged to explore these areas further.



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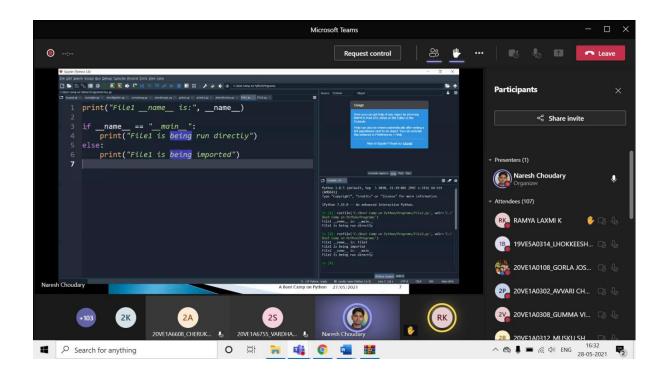
















# Sreyas Institute of Engineering and Technology

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# Certificate of Participation

This is to certify that Mr./Ms. BOJANAPALLY HARSHITHA bearing Roll Number

20VE1A0565 has participated in Two Weeks Skill Development Program

"Boot Camp on Python" from May 12, 2021 to May 25, 2021 Conducted by

Department of CSE, Sreyas Institute of Engineering and Technology, Hyderabad-

68, Telangana, India.

Du C Vankata Ashuta

Dr. S. Venkata Achuta Rao
Convener
Professor of CSE

Dr. Shaik Abdul Nabi Professor HOD-CSE Dr. S. Sai Satyanayana Reddy
Patron

**Principal & Prof. of CSE**