AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNT University Kakinada, Accredited by NAAC and Recognized under 2(f) &12 (b) by UGC, New Delhi) Tamaram, Makavarapalem, Narsipatnam (RD), Visakhapatnam-531113

Certificate Course
on
Python basics
From 13th Feb 2019 to 19th Feb 2019

ORGANIZED BY
DEPT. OF COMPUTER SCIENCE AND ENGINEERING
AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MAKAVARAPALEM (V), VISAKHAPATNAM-531113

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

AIET started in the year 1999 and offers various courses at Engineering and PG level. The college is providing with rooms, computer centre, laboratories and seminar hall with audio-visual equipments. Industry Institute interaction is conducted regularly to emphasize on the latest trends in the present market.

It is very near to Narsipatnam. Frequent bus facilities are available both from and to Visakhapatnam and Narsipatnam. Very safe and secure hostel facility is available for Girl students. These are the additional facilities besides excellent academic atmosphere in the college campus.

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

The Computer Science & Engineering department was established with B.Tech Program in 1999 with intake of 60 students and this was increased to 120 students in 2007 and increased to 180 students in 2012. The Post graduate Program M.Tech with C.S.E was started in 2005 with intake of 18 Students and this was increased to 24 students in 2012. The Computer Science & Engineering department was accredited by NBA in 2009 and 2014. Department mission is to be Instrumental in the field of computer science &

engineering by providing high quality education and continues improvement process of the program. The department has full fledged faculty with four professors with Ph.D and 40 staff members with experience in teaching and industry, which leads the skill students to get employment in the market. . The department encourages the faculty members and the students to participate paper presentations, seminars, workshops and National, International conferences and research activities. The department is well equipped laboratories and the computers have sophisticated development software tools. The department provides training to its students in advanced technologies like JAVA, WEB TECHNOLOGIES,.NET, PHP, Data Warehousing, Data Mining tools and Data storage systems as a supplement to the curriculum to enhance the employability of students. Our faculty members are the members of Computer Society of India, ISTE, IEEE.

ABOUT COURSE

Python has become the most popular programming language in the world due to its simple syntax, extensive range, and dominance in the field of machine learning. In this book, you will become fluent in Python syntax, and you will take significant steps toward producing Pythonic code. You will gain experience in Python development, data science, and machine learning.

Python is commonly used for developing websites and software, task automation, data analysis, and data visualization. Since it's relatively easy to learn, Python has been adopted by many non-programmers such as accountants and scientists, for a variety of everyday tasks, like organizing finances

TOPICS TO BE COVERED

DAY 1 Literate Programming, Jupiter Notepad Environment

DAY 2 Markdown format for Documentation, Python Basics

DAY 3 String Slicing, Functions with Examples, Python
           Conditionals Statement , Iteration

DAY 4 Lists, Tuples, sets, Dictionaries

DAY 5 Packages

DAY 6 Modules, Regular Expressions

For Registration please contact Mr.G.Nagarjuna Rao,Assistant Professor, CSE

.

CHIEF PATRON	**PATRON**	**CHAIRMAN**
Smt. M. Gnaneswari	Dr. C P V N J Mohan Rao	Dr. G. Satyanarayana
President	Principal,	Head of the Department
Avanthi Institute Of Engineering And Technology	Avanthi Institute Of Engineering And Technology	Computer Science and Engineering

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Tamaram,Makavarapalem,Narsipatnam (RD), Visakhapatnam-531113

Dt: 11-7-2018.

CIRCULAR

On behalf of the Department of Computer Science and Engineering, AIET is conducting Collaboratively with APSSDC Six days certificate course on **"Python Basics"** during 13th february 2019 to 19th February 2019 for all the students of I year CSE .I advise to all the students of I year CSE to enroll your details for above course. For more details, you may consult Course Coordinator Mr.G.Nagarjuna Rao .Assistant Professor, CSE

Resource Persons: 1.Kum M.S.P Sandhya

Android developer

APSSDC

2.Mrs.Bhaya Lakshmi

Trainer cum Developer

APSSDC

G.Satyanarayana

Dr.G.Satyanarayana

Head of the Department

Computer Science and Engineering
Avanthi Institute of Engg & Technology
Tamaram, Makavarapalem Md
Visakhapatnam District, Pin-531113

Copy to: Principal. AIET

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Tamaram, Makavarapalem, Narsipatnam (RD), Visakhapatnam-531113

Python Basics

Date: 13-2-2019 to 19-2-2019

Syllabus

DAY 1   Literate Programming, Jupiter Notepad Environment

DAY 2   Markdown format for Documentation, Python Basics

DAY 3   String Slicing, Functions with Examples, Python

Conditionals Statement, Iteration

DAY 4   Lists, Tuples, sets, Dictionaries

DAY 5   packages

DAY 6   Modules, Regular Expressions

Coordinator

G.Satyanarayana
Dr.G.Satyanarayana

Head of the Department

Computer Science and Engineering
Avanthi Institute of Engg & Technology
Tamaram, Makavarapalem Md
Visakhapatnam District, Pin-531113

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Tamaram, Makavarapalem, Narsipatnam (RD), Visakhapatnam-531113

Python Basics

Date: 13-2-2019 to 19-2-2019

Schedule

DAY 1 (13-2-2019)

9.00A.M – 1.00P.M   : Literate Programming

1.00P.M – 2.00P.M   : Lunch

2.00P.M – 4.00P.M   : Jupiter Notepad Environment

DAY 2 (14-2-2019)

9.00A.M – 1.00P.M   : Markdown format for Documentation

1.00P.M – 2.00P.M   : Lunch

2.00P.M – 4.00P.M   : Python Basics

DAY 3 (15-2-2019)

9.00A.M – 1.00P.M   : String Slicing, Functions with Examples

1.00P.M – 2.00P.M   : Lunch

2.00P.M – 4.00P.M   : Python Conditionals Statement, Iteration

DAY4 (16-2-2019)

9.00A.M – 1.00P.M   : Lists, Tuples

1.00P.M – 2.00P.M   : Lunch

2.00P.M – 4.00P.M   : sets, Dictionaries

DAY 5 (18-2-2019)

9.00A.M – 1.00P.M   :   packages

1.00P.M – 2.00P.M   : Lunch

2.00P.M – 4.00P.M   : packages

DAY 6 (19-2-2019)

9.00A.M – 1.00P.M   : Modules,

1.00P.M – 2.00P.M   : Lunch

2.00P.M – 4.00P.M   : Regular Expressions

Coordinator

G.Satyanarayana
Dr.G.Satyanarayana

Head of the Department

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Tamaram,Makavarapalem,Narsipatnam(RD),Visakhapatnam-531113
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
PYTHON BASICS
Dated :13/2/2019 To 19/2/2019
I B.Tech STUDENTS ATTENDANCE LIST

S.NO	ROLL NO	NAME OF THE STUDENT	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
1	18811A0501	BAILAPUDI PADMA	✓	✓	✓	✓	✓	✓
2	18811A0502	BHANUMATHI PALAPARTHI	✓	✓	✓	✓	✓	✓
3	18811A0503	BODDAPU PRASAD	✓	✓	✓	✓	✓	✓
4	18811A0504	BODDEDA LOKESH	✓	✓	✓	✓	✓	✓
5	18811A0505	BOINA TEJA	✓	✓	✓	✗	✓	✓
6	18811A0506	BONTHU PRANAY	✓	✓	✓	✓	✓	✓
7	18811A0507	DACHEPALLI VENKATA VIJAYALAKSHMI	✓	✓	✓	✓	✓	✓
8	18811A0508	DARAPUREDDY VANI VASUNDHARA	✓	✓	✓	✓	✓	✓
9	18811A0509	DIVYA BISAI	✓	✓	✓	✓	✓	✓
10	18811A0510	DUGGINENI UMESH CHANDRA	✓	✓	✓	✓	✓	✓
11	18811A0512	GANDI BHARDWAZ NAIDU	✓	✓	✗	✓	✓	✓
12	18811A0513	GOGINENI ALEKHYA	✓	✓	✓	✓	✓	✓
13	18811A0514	GOKADA PRASANTH KUMAR	✓	✓	✓	✓	✓	✓
14	18811A0516	GOPALADAS VASANTHI	✓	✓	✓	✓	✓	✓
15	18811A0517	GOPINAYAKA HEMA	✗	✓	✓	✓	✓	✓
16	18811A0518	GORLA ABHISHEK	✓	✓	✓	✓	✓	✓
17	18811A0519	GORLE SRI SATYA	✓	✓	✓	✗	✓	✓
18	18811A0520	GRANDI RAMYA	✓	✓	✓	✓	✓	✓
19	18811A0522	GURRAM BHARGAVI	✓	✓	✓	✓	✓	✓
20	18811A0523	GURUCHARANA KRISHNA LAHARI	✓	✓	✓	✓	✓	✓

21	18811A0524	IMANDI RUBIN PRINCE	✓	✓	✓	✓	✓	✓
22	18811A0525	JAMPANA DHANUSH VARMA	✓	✓	✓	✓	✓	✓
23	18811A0526	K VASANTHA	✓	✓	✓	✓	✓	✓
24	18811A0527	KADALI NISCHALA DEVI	✓	✓	✓	✓	✓	✓
25	18811A0528	KADAVALA SAI PRIYA	✓	✓	✓	✓	✓	✓
26	18811A0529	KADIMISETTY MANIKANTA	✓	✓	✓	✓	✓	✓
27	18811A0530	KANTA RUCHITHA	✓	✓	✓	✓	✓	✓
28	18811A0531	KARAKAVALASA DHANALAKSHMI	✓	✓	✓	✓	✓	✓
29	18811A0532	KARANAM CHIRUCHAITANYA	✓	✗	✓	✓	✓	✓
30	18811A0534	KILAPARTHI DURGA PRASAD	✓	✓	✓	✓	✓	✓
31	18811A0535	KOTARU JANI KRISHNA	✓	✓	✓	✓	✓	✓
32	18811A0536	KOTHAKOTA MAHESWARI	✓	✓	✓	✓	✓	✓
33	18811A0537	KOTTE SAI GANESH	✓	✓	✓	✓	✓	✓
34	18811A0538	LAKKOJU SRAVAN KUMAR	✓	✓	✗	✓	✓	✓
35	18811A0540	MADUGULA JAGAN MOHAN SATYA	✓	✓	✓	✓	✓	✓
36	18811A0542	MAJJI TULASI	✓	✓	✓	✓	✓	✓
37	18811A0543	MARISETTI MEENAKSHI	✓	✓	✓	✓	✓	✓
38	18811A0544	MEDISETTI JANAKI	✓	✓	✓	✓	✓	✓
39	18811A0545	MUPPANA DEVI PRIYANKA	✓	✓	✓	✓	✓	✓
40	18811A0546	PATHAKAMUDI SHARMILA	✓	✓	✓	✓	✓	✓
41	18811A0547	PATHALA NAGENDRA	✓	✓	✓	✓	✓	✓
42	18811A0549	PILLA BHARGAVI	✓	✓	✓	✓	✓	✓
43	18811A0550	PITLA THANUSHA	✓	✓	✗	✓	✓	✓
44	18811A0551	POTHAMSETTI MANIKANTA	✓	✓	✓	✓	✓	✓
45	18811A0554	SANIVARAPU BINDU SREE	✓	✓	✓	✓	✓	✓
46	18811A0555	SEERA SREELEKHA	✓	✓	✓	✓	✓	✓

47	18811A0556	SIDDABATTULA DURGA VENKATA SAI	✓	✓	✓	✓	✓	✓
48	18811A0558	SOOREDDY PAVAN KUMAR	✓	✓	✓	✓	✓	✓
49	18811A0559	SUNKARA BHAGYA TEJA	✓	✓	✓	✓	✓	✓
50	18811A0560	T PRATYUSHA	✓	✓	✓	✓	✓	✓
51	18811A0561	TULURI SWAROOPA RANI	✓	✓	✓	✓	✓	✓

COORDINATOR

G. Satyanarayana

HOD

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

A Course On

Python Basics

Dated : 13/2/2019

Coordinator

G.Satyanarayana
HOD
...aram, Makavarapalem Iv.
Visakhapatnam District, Pin-531113

Andhra Pradesh State Skill Development Corporation (APSSDC)

Skill (Department of Skill Development, Enterprenureship & Innovation, Govt. of Andhra Pradesh)

Reg Id: _____14H71A0396_____

Certificate of Participation

This is to certify that Mr./Ms./Mrs. _____Divya Bisai_____

of _____Avanthi Institute of Engineering and Technology_____

participated in _____Python basics_____

held from _____13-2-2019_____ to _____19-2-2019_____

Subbarao Ghanta

Director - APSSDC
(Dr.Subbarao Ghanta)

Principal

Head of The Department
(Computer Science and Engineering)

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Department of Computer Science and Engineering

Dt: 20-2-2019

BRIEF REPORT

Department of Computer Science and Engineering, Avanthi Institute of Engineering and Technology had organized aAPSSDCcertificate course on **"Python Basics"** during 13-2-2019 to 19-2-2019.

We had **Resource Person: Mrs.Bhaya Lakshmi, Trainer cum Developer, APSSDC** was explained each every details about python basics.Jupiter notebooks are a form of literate programming. A Jupiter notebook is a document that can be viewed and edited in a Web browser, and that combines Python code, pictures, text and plots.For understanding slicing we will use different methods, here we will cover 2 methods of string slicing, the one is using the in-build slice() method and another using the [:] array slice. String slicing in Python is about obtaining a sub-string from the given string by slicing it respectively from start to end.

Next **Resource Person Ms.P.Sindhu, Trainer, APSSDC was** extensively explained Lists and tuples are arguably Python's most versatile, useful data types. You will find them in virtually every nontrivial Python program. Regular expression is a special sequence of characters that uses a search pattern to find a string or set of strings. It can detect the presence or absence of a text by matching it with a particular pattern, and also can split a pattern into one or more sub-patterns. Python provides a **re** module that supports the use of regex in Python. Its primary function is to offer a search, where it takes a regular expression and a string. Here, it either returns the first match or else none.

Coordinator

G.Satyanarayana
Head of the Department

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