**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 PROGRAMMING*

**From *20*th December *20*21 *to* 31st December *20*21**

**ORGANIZED BY**

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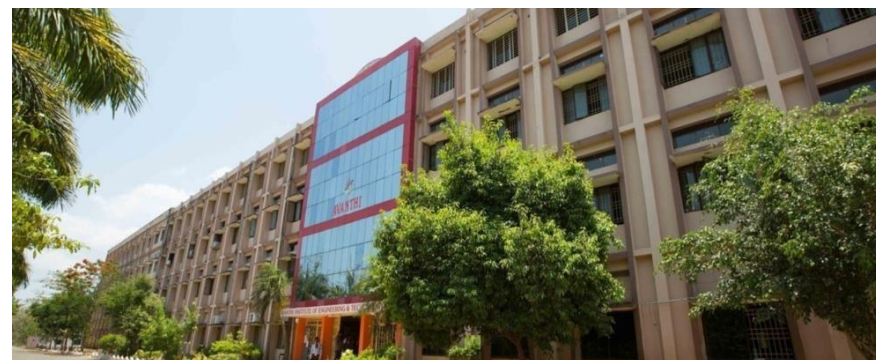
It is very near to Narsipatnam. Frequent bus facilities are available both from and to Visakhapatnam and Narsipatnam. Very safe and secure hostel facility is available for Girl students. These are the additional facilities besides excellent academic atmosphere in the college campus.

## 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 Studentsand 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,DOTNET,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 is a premier, flexible, and powerful open-source language that is easy to learn, easy to use, and has powerful libraries for data manipulation and analysis. For over a decade, Python has been used in scientific computing and highly quantitative domains such as Finance, Oil and Gas, Physics, and Signal Processing. Today, it is the most preferred language for Artificial Intelligence (AI), Robotics, Web Development, and Big Data.

## TOPICS TO BE COVERED

Day 1 : Introduction to Python
Day 2 : Python basics
Day 3 : Python program flow
Day 4 : Functions and modules
Day 5 : Exception handling
Day 6 : File handling
Day 7 : Classes in python
Day 8 : Generators and iterators
Day 9 : Data structures
Day 10 : Collections

For Registration please contact Mr. B.Ganesh, Assistant Professor,CSE.

**CHIEF PATRON**
Smt. M. Gnaneswari
President,
Avanthi Institute of Engineering and Technology

**PATRON**
Dr. C P V N J Mohan Rao
Principal,
Avanthi Institute Of Engineering And Technology

**CHAIRMAN**
U.Nanaji
Head of the Department
Computer Science & Engineering

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

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### *CIRCULAR*

Date: 13/12/2021

On behalf of the Department of Computer Science and Engineering, AIET is conducting ten days certificate course collaboratively with APPSSDC on **"Python programming"** from 20$^{th}$ December 2021 to 31$^{st}$ December, 2021 for all the students of III year CSE. I advise to all the students of III year CSE to enroll your details for above course. For more details, you may consult Course Coordinator Mr. B.Ganesh, Assistant Professor, CSE

**Resource Person Details:**

1. Siddhodhana

   Trainer

   APSSDC

2. Swamy Kankipati

   Trainer

   APSSDC

U. Nanaji

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 Programming
### From 20th December 2021 to 31st December 2021
### Syllabus

Day 1 : Introduction to Python

Day 2 : Python basics

Day 3 : Python program flow

Day 4 : Functions and modules

Day 5 : Exception handling

Day 6 : File handling

Day 7 : Classes in python

Day 8 : Generators and iterators

Day 9 : Data structures

Day 10 : Collections

Mr.B.Ganesh

Coordinator

U.Nanaji

Head Of the Department

Computer Science and Engineering

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

## Python Programming
### From 20th December 2021 to 31st December 2021

## Schedule

### DAY 1(20-12-2021)

9.00 A.M – 1.00 P.M   : Introduction to Python

1.00 P.M – 2.00 P.M   : Lunch break

2.00 P.M – 4.00 P.M   : Installation of Python with real world examples

### DAY 2(21-12-2021)

9.00 A.M – 1.00 P.M   : Python basics

1.00 P.M – 2.00 P.M   : Lunch break

2.00 P.M – 4.00 P.M   : Data types in python

### DAY 3(22-12-2021)

9.00 A.M – 1.00 P.M   : Python Programming flow

1.00 P.M – 2.00 P.M   : Lunch break

2.00 P.M – 4.00 P.M   : Basic i/o operations and operators

### DAY 4(23-12-2021)

9.00 A.M – 1.00 P.M   : Functions

1.00 P.M – 2.00 P.M   : Lunch break

2.00 P.M – 4.00 P.M   : Modules

### DAY 5(24-12-2021)

9.00 A.M – 1.00 P.M   : Exception handling

1.00 P.M – 2.00 P.M   : Lunch break

2.00 P.M – 4.00 P.M   : Loops

## DAY 6(27-12-2021)

9.00 A.M – 1.00 P.M    : File handling

1.00 P.M – 2.00 P.M    : Lunch break

2.00 P.M – 4.00 P.M    : Packages

## DAY 7(28-12-2021)

9.00 A.M – 1.00 P.M    : Classes

1.00 P.M – 2.00 P.M    : Lunch break

2.00 P.M – 4.00 P.M    : objects

## DAY 8(29-12-2021)

9.00 A.M – 1.00 P.M    : Generators

1.00 P.M – 2.00 P.M    : Lunch break

2.00 P.M – 4.00 P.M    : Iterators

## DAY 9(30-12-2021)

9.00 A.M – 1.00 P.M    : Data Structures

1.00 P.M – 2.00 P.M    : Lunch break

2.00 P.M – 4.00 P.M    : Ecceptions

## DAY 10(31-12-2021)

9.00 A.M – 1.00 P.M    : Collections

1.00 P.M – 2.00 P.M    : Lunch break

2.00 P.M – 4.00 P.M    : String methods

Mr.B.Ganesh

Coordinator

U.Nanaji

Head Of the Department

Computer Science and Engineering

Avanthi Institute of Engg & Technology
Tamaram, Makavarapalem Md
Visakhapatnam District, Pin-531113

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**Python Programming**
**Dated : 20/12/2021 To 31/12/2021**
**III B.Tech Students Attendance List**

| S.No | Roll No | Name of the student | DAY 1 | DAY 2 | DAY 3 | DAY4 | DAY 5 | DAY 6 | DAY 7 | DAY 8 | DAY 9 | DAY10 |
|------|---------|---------------------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| 1 | 19811A0501 | ABBURI VENKATA SURENDRA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | 19811A0502 | ALLADA BHARGAV SANTHOSH | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 3 | 19811A0503 | ANDUKURI VENKATALAKSHMI BHARGAVI | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 4 | 19811A0504 | ANNAM MOUNIKA SRI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 5 | 19811A0505 | BALIREDDI MADHU PRAKASH | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ |
| 6 | 19811A0506 | BATTALA LEKHYA SRI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ |
| 7 | 19811A0507 | BILLA CHANDRIKA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 8 | 19811A0508 | BODDETI CHANDIPRIYA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 9 | 19811A0509 | BONDA TARUN | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 10 | 19811A0510 | BOTSA DURGA PRASAD | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 11 | 19811A0511 | BUDDIGA NIKHIL RAM GOUD | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 12 | 19811A0512 | CHELLURI VASAVI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 19811A0513 | CHOKKAKULA BHARATHI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 14 | 19811A0514 | CHOPPA DURGALAKSHMI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 15 | 19811A0515 | DABBEERU NAGALAKSHMI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 16 | 19811A0516 | DONKA INDRANI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 17 | 19811A0517 | DUGGIRALA SAI PAVANI JAGADEESWARI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 18 | 19811A0518 | EATI JOSHNA | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 19 | 19811A0519 | GANGARAPU PAVANI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 20 | 19811A0520 | GATREDDI SANDHYA RENUKA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 21 | 19811A0521 | GEDELA PRADEEP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ |
| 22 | 19811A0522 | GHATTA SRINIVASA RAGHAVENDRA | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 23 | 19811A0523 | GOGU CHANDINI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 24 | 19811A0524 | MARRA MOUNICA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 25 | 19811A0525 | GURRAM VENKATA ANUSHA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 26 | 19811A0526 | JAVVADI RAJESH | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 27 | 19811A0527 | KALAGANI JYOTHIRADITYA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ |
| 28 | 19811A0528 | KAMPATI NAGADEVI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 29 | 19811A0529 | KANCHIPATI MADHURI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 19811A0530 | KANDREGULA NAVEEN ASHOK | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 31 | 19811A0531 | KANITHI SUSHMITHA LAKSHMI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 32 | 19811A0532 | KARAKAVALASA SUJIT | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 33 | 19811A0533 | KARRI ANUSHA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 34 | 19811A0534 | KARRI JYOTHI SAI LAKSHMI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 35 | 19811A0535 | KAYALA GANGA BHAVANI | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 36 | 19811A0536 | KOMMANAMANCHI TARUN ARAVIND | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 37 | 19811A0537 | KOMMANAMANCHI VIVEK SARMA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 38 | 19811A0538 | KONDRAGUNTA TEJA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 39 | 19811A0539 | KOTTANA SIVA KUMAR | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 40 | 19811A0540 | KOVVADA HEMA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 41 | 19811A0541 | KOVVADA NAGA KEERTHI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ |
| 42 | 19811A0542 | KUNDRAPU SIVAANJALINAGAD EVI | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 43 | 19811A0543 | LANKA DURGA JAGADEESWARI JYOTHSNA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 19811A0544 | LEKKALA CHAITANYA KIREETI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ |
| 45 | 19811A0545 | LEKKALA VENKATA SAI | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 46 | 19811A0546 | PAILA VENU GOPAL | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 47 | 19811A0547 | PULAVARTHI SATYANARAYANA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 48 | 19811A0548 | PYLA MURARI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 49 | 19811A0549 | SRIGAKOLAPU PRIYA NIKITHA | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 50 | 19811A0550 | VARADHI YASWANTH | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 51 | 19811A0551 | BALLANKI PAVANKUMAR | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 52 | 19811A0552 | BORA LALITH SUNDAR | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 53 | 19811A0553 | CHANDAKA SUDHEER | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ |
| 54 | 19811A0554 | CHENNAMSETTY ABHILASH | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 55 | 19811A0555 | ETAMSETTI POORNASHANMUK HESWARA RAO | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 56 | 19811A0556 | GANGALA NAGA SAI KIRAN | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 57 | 19811A0557 | GANJI MURALIDHAR | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 58 | 19811A0558 | GOKEDA ARAVIND | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| # | ID | Name | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 59 | 19811A0559 | GORAPALLI SANJAY KUMAR | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 60 | 19811A0560 | JAVVADI SURESH | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 61 | 19811A0561 | JINUGU CHANDRASEKHAR | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 62 | 19811A0562 | KALIDINDI POOJASREE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 63 | 19811A0563 | KATTA ARUN SATISH | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |
| 64 | 19811A0564 | KOLAGINI RAJA SRI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 65 | 19811A0565 | KOMMINENI VENKATA APPALA SAI PRAHARSHITH | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 66 | 19811A0566 | KOORAKULA RAMYA BHAVYA PRIYANKA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 67 | 19811A0567 | KOPPISETTY CHANDRAMOULI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 68 | 19811A0568 | LALAM SEETARAMA TEJA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 69 | 19811A0569 | LANKA SAI DEEPTHI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 70 | 19811A0570 | LANKE TARUN BABU | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ |
| 71 | 19811A0571 | MADALA HASWANTH | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 72 | 19811A0572 | MAKIREDDI BHAVANI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 19811A0573 | MALLA LEELA VENKATA LAKSHMI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 74 | 19811A0574 | NAGAMBOINA VENKATA RATNAKAR | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 75 | 19811A0575 | NAGUMANTRI SWETHA LAKSHMI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 76 | 19811A0576 | NAKKA DEEPIKA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |
| 77 | 19811A0577 | NANDIPALLI MAHARAJA GANGA BHAVANI DEVI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 78 | 19811A0578 | NIMMADALA TANUSRI | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ |
| 79 | 19811A0579 | PALLA PHANINDRA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 80 | 19811A0580 | PAVULURI KOUSIK | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 81 | 19811A0581 | PEDIREDLA PAVAN | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 82 | 19811A0582 | PEKALA RAJESH | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 83 | 19811A0583 | PENUMATSA LAKSHMAN SAI RAJU | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 84 | 19811A0584 | PUJARI LALU DATTA PRASAD | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ |
| 85 | 19811A0585 | RUTTALA THANUJA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 86 | 19811A0586 | SAHUKARI HEMANTH | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| 87 | 19811A0587 | SALADULA YAMUNA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 88 | 19811A0588 | SENAPATHI DURGA SYAMALA | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 89 | 19811A0589 | SINGAMPALLI PHANINENDRA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 90 | 19811A0590 | UGGINA ANITHA | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ |
| 91 | 19811A0591 | UGIINA AVINASH | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 92 | 19811A0592 | ULABALA GEETHADEVI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 93 | 19811A0593 | VEDULLA S S SATYA GAYATRI | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ |
| 94 | 19811A0594 | VEETURI SRI HARSHITHA PRAVALLIKA | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ |

**Coordinator**

**HOD**

# Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skills Development & Training, Govt. of Andhra Pradesh)

**Skill AP**
**APSSDC**

## Certificate of Participation

**Cert.No.** SDC - PP - 7445

**Regd Id :** 19811A0533

This is to certify that Mr./Ms./Mrs................................K.Anusha.........................................

of ....................Avanthi Institute Of Engineering & Technology................ has successfully

participated Training Program on ...........................Python Programming...................…........

held from ......20-12-2021...............to .........31-12-2021......

**Principal (or) HOD**

**Dr. Ravi K Gujjula**
Chief General Manager (Technical)
APSSDC

**Sri S. Satyanarayana, IAS**
Managing Director
APSSDC

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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

A Course On

Python Programming

Dated:20-12-2021
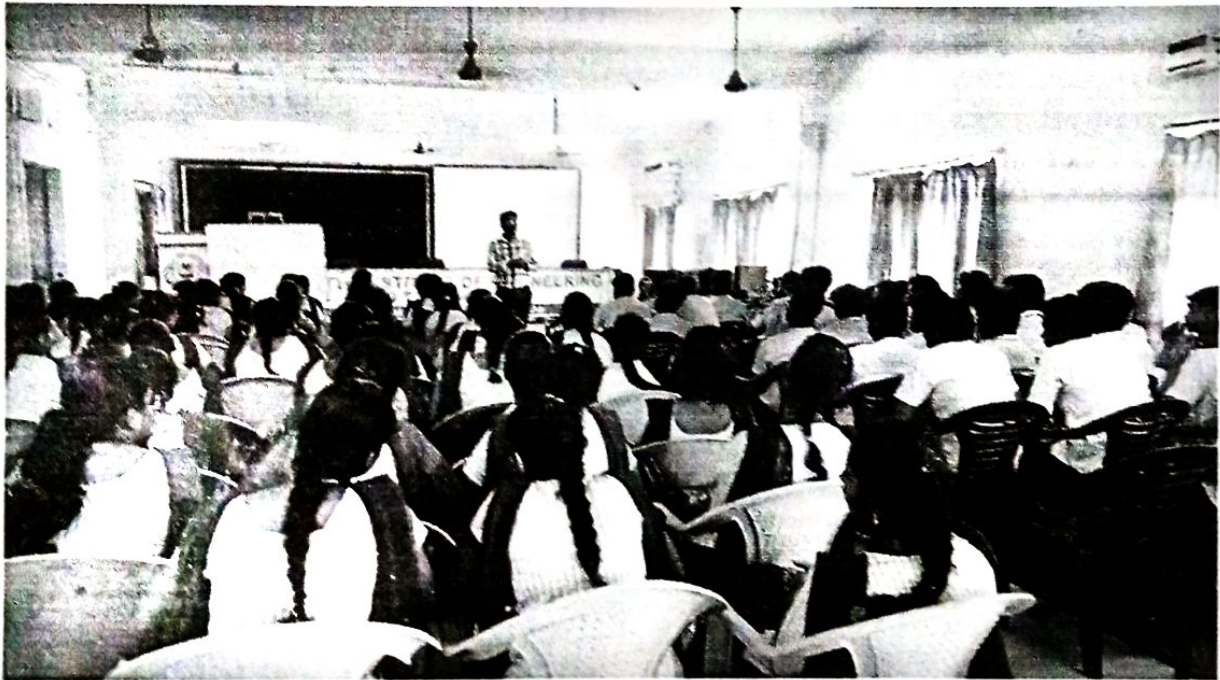


Coordinator

H.O.D

Avanthi Institute of Engg & Technology
Tamaram, Makavarapalem Md
Visakhapatnam District, Pin-531113

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### Department of Computer Science and Engineering

Dt:31-12-2021

## BRIEF REPORT

**Department of Computer Science and Engineering, Avanthi Institute of Engineering and Technology** had organized a certificate course on **"Python Programming"** from 20-12-2021 to 31-12-2021.

We had **Resource Person: Siddhodhana, Trainer, APSSDC** was explained about python introduction and installation of python. The difference between a compiled and interpreted languages. Many of those who had experience with C++/Java remarked how easy it was to declare a variable in Python (without specifying its data type) and change its data type fluidly. The reason is that Python doesn't actually "hold" any data but is merely pointers to data objects.

**Resource Person: Swamy Kankipati, Trainer, APSSDC** was explained about built-in data structures of Python (lists and dictionaries). The list is an ordered collection of data in Python. Its syntax, indexing, working and basic operations like len(), append(), sort(), and list concatenation were taught. They were also introduced to the map() function and list slicing. Next, we moved on to dictionaries in Python and its key-value structure was explained. Since dictionaries make use of Hashmaps, searching in dictionaries is faster than lists. Different dictionary functions like .keys(),.values(),.get(key), etc. were taught.

U. Nanaji

Head of the Department

Computer Science and Engineering

Avanthi Institute of Engg & Technology
Tamaram, Makavarapalem Md
Visakhapatnam District, Pin-531113

Coordinator