

**AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
(Approved by AICTE, Permanently Affiliated to JNTU GV, Vizianagaram,  
Accredited By NAAC and Recognized under 2(f) & 12 (b) by UGC, New Delhi)  
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113



*Certificate Course  
on*

**ADVANCED PYTHON**

*From 21<sup>st</sup> AUG 2023 to 26<sup>th</sup> AUG 2023*



**ORGANIZED BY**

**DEPT. OF COMPUTER SCIENCE ENGINEERING  
AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY,  
TAMARAM (V), MAKAVARAPALEM (M), ANAKAPALLI-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 employ ability of students. Our faculty members are the members of Computer Society of India, ISTE, and IEEE.

### **ABOUT COURSE**

**Python course** is designed to teach you the fundamentals and advanced concepts of programming using Python, one of the most popular and versatile programming languages today. Python is known for its simplicity, readability, and wide range of applications in fields like web development, data analysis, machine learning, automation, and more.

#### **CHIEF PATRON**

Smt.M.Ganeswari  
President, Avanathi Educational Society

#### **PATRON**

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

#### **CHAIRMAN**

Dr.N.V.Ashok kumar  
Head of the Department  
Computer Science Engineering  
(AI&ML,DS)

#### **COORDINATORS**

Mr N.V.Ashok kumar  
Assistant Professor, CSE  
Mr V.Trinadh  
Assistant Professor, CSE

### **TOPICS TO BE COVERED**

**Day 1:** Introduction to python and its History

**Day 2:** 2. Object-Oriented Programming (OOP) & Design Patterns

**Day 3:** Functional Programming in Python

**Day 4:** Multithreading & Multiprocessing

**Day 5:** Security & Cryptography

**Day 6:** Testing & Debugging

For any further information Contact Mr. N.V.Ashok kumar CSE,  
Mr.V.Trinadh Assistant Professor, CSE





## AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNTU GV, Vizianagaram  
Accredited by NAAC and Recognized under 2(f) & 12 (b) by UGC, New Delhi)  
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING-AI&ML,CSE-DS**

*Dt. 14-08-2023.*

### CIRCULAR

A Course on **ADVANCED PYTHON** for all the II Year students of Computer Science Engineering (AI & ML) Department is scheduled from 21<sup>st</sup> Aug 2023 to 26<sup>th</sup> Aug 2023. All the students should attend the course without fail. For any further information Contact Mr.N.V.Ashock kumar, V.Trinadh Assistant Professor, CSE Department may be consulted.

Resource Person:

1. Dr. G. JAYA SUMA,  
Professor of Dept. of IT,  
JNTUGV - Vizianagaram.
2. Dr. T. SATYANARAYANA MURTHY,  
Asst. Professor of Dept. of IT,  
CBIT, Hyderabad.

Dr. N.V.Ashock Kumar  
HOD  
CSE-AI & ML, DS, DEPARTMENT  
Avanthi Institute of Engg. & Technology  
Tamaram, Makavarapalem Md.,  
Ankapalli District, Pin: 531 113

Copy to: Principal, AIET



# AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNTU GV, Vizianagaram,  
ACCREDITED BY NAAC and Recognized under 2(f) & 12 (b) by UGC, New Delhi)  
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING-AI&ML,CSE-DS

## ADVANCED PYTHON

Duration: 21<sup>st</sup> AUG 2023 to 26<sup>th</sup> AUG 2023

### SYLLABUS

**Day 1:** Introduction to python & Advanced Data Structures & Iterators

**Day 2:** Functional & Object-Oriented Programming.

**Day 3:** Concurrency & Parallelism

**Day 4:** Advanced File Handling & Database Integration.

**Day 5:** Testing, Debugging, and Profiling.

**Day 6:** Real-world Applications & Deployment.

COORDINATOR

HOD

Avanthi Institute of Engg. & Technology  
Tamaram, Makavarapalem Md.,  
Ankapalli District., Pin: 531 113



# AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNTU GV, Vizianagaram,  
ACCREDITED BY NAAC and Recognized under 2(f) & 12 (b) by UGC, New Delhi)  
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

## DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

### ADVANCED PYTHON

#### SCHEDULE

Duration: 21<sup>st</sup> AUG 2023 to 26<sup>th</sup> AUG 2023

DAY/DATE	Live Session - 1 09.00AM to 12.30 PM	Live Session - 2 1 PM to 4 PM
<b>Monday</b> 21/08/2023	Introduction to python & Review of Lists, Tuples, Sets, and Dictionaries  Custom Data Structures (NamedTuple, defaultdict, Counter)  Heapq, deque, and OrderedDict	Iterators and Generators (yield, next, iter)  Generator Expressions and Performance Benefits  Context Managers (with statement, contextlib)
<b>Tuesday</b> 22/08/2023	Functional Programming (map, filter, reduce, lambda)  Closures and Decorators  Partial Functions and Higher- Order Functions	Advanced OOP Concepts (Dunder Methods, Class vs Static Methods)  Metaclasses and Abstract Base Classes (ABC)  Method Resolution Order (MRO)
<b>Wednesday</b> 23/08/2023	Multithreading and Global Interpreter Lock (GIL)  Threading Module and Performance Considerations  Multiprocessing Module for True Parallelism	AsyncIO: Event Loops, Tasks, Coroutines  Real-world Applications of AsyncIO  Combining Threads, Processes, and AsyncIO
<b>Thursday</b> 24/08/2023	Reading and Writing Large Files Efficiently  Working with CSV, JSON, and YAML	Database Interaction (SQLite, PostgreSQL with psycopg2)  Object Relational Mapping (SQLAlchemy)



# AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNTU GV, Vizianagaram,  
ACCREDITED BY NAAC and Recognized under 2(f) & 12 (b) by UGC, New Delhi)  
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

	File Compression and Encryption (gzip, zipfile)	Caching with Redis and Memcached
<b>Friday</b> <b>25/08/2023</b>	Unit Testing with unittest and pytest  Mocking and Patching  Property-based Testing (hypothesis)	Debugging with pdb, trace, and logging  Profiling Code (cProfile, line_profiler)  Optimizing Performance with Cython and NumPy
<b>Saturday</b> <b>26/08/2023</b>	Web Development with Flask/FastAPI  REST API Development and Authentication  Data Science Applications (Pandas, NumPy)	Packaging & Deployment (PyInstaller, Docker, Virtual Environments)  CI/CD (GitHub Actions, Jenkins)  Security Best Practices in Python

COORDINATOR

HOD

Avanthi Institute of Engg. & Technology  
Tamaram, Makavarapalem Md.,  
Anakapalli District., Pin: 531 113



# AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNTU GV, Vizianagaram,  
Accredited By NAAC and Recognized under 2(f) & 12 (b) by UGC, New Delhi)  
Tamaram, Makavarapalem, Narsipatnam (RD), Anapalli-531113

## DEPARTMENT OF COMPUTER SCIENCE ENGINEERING-AI & ML,CSE-DS

### ADVANCED PYTHON

From 21<sup>st</sup> AUG 2023 to 26<sup>th</sup> AUG 2023

#### II YEAR CSM & CSD STUDENTS ATTENDANCE

S.N	ROLL NO.	NAME OF THE STUDENT	21/08/23	22/08/23	23/08/23	24/08/23	25/08/23	26/08/23
1	22811A4201	ALLADA CHANDANA	✓	✓	✓	✓	✗	✓
2	22811A4202	AMARAPALLI ESWAR VIVEK	✓	✓	✓	✓	✓	✓
3	22811A4203	BANDI BHAVANI	✓	✓	✓	✗	✓	✓
4	22811A4204	BATTULA MURALI SURYA RAMESH	✓	✓	✓	✓	✓	✓
5	22811A4205	BHALLAMUDI HARI PRIYA	✓	✓	✗	✓	✓	✓
6	22811A4206	BHALLAMUDI LASYA PRIYA	✓	✓	✓	✓	✓	✓
7	22811A4207	BODDAPU JAHANAVI	✓	✓	✓	✓	✓	✓
8	22811A4208	BODDAPU SAI KRISHNA	✓	✓	✓	✓	✗	✓
9	22811A4209	BONDA JAGADEESH	✓	✓	✓	✓	✓	✓
10	22811A4210	DUNGA VENU	✓	✗	✓	✓	✓	✓

11	22811A4211	GENJI NAVADEEP	✓	✓	✓	✓	✓	✓
12	22811A4212	GORLE SRAVANI	✓	✓	×	✓	✓	✓
13	22811A4213	GUDEPU RAJKUMAR	✓	✓	✓	✓	×	✓
14	22811A4214	JALLI APPALAREDDY	✓	✓	✓	✓	✓	✓
15	22811A4215	KANDREGULA SURYA	✓	✓	×	✓	✓	✓
16	22811A4216	KANUGULA BHARGAV NAIDU	✓	✓	✓	✓	✓	✓
17	22811A4218	KILLADA BHARATHI	✓	✓	✓	✓	✓	✓
18	22811A4219	KODURU HARIKA	✓	✓	✓	✓	✓	✓
19	22811A4220	KOLLATI DURGA PRASAD	✓	✓	✓	✓	×	✓
20	22811A4221	GOMI SRUJANA KUMAR	✓	✓	✓	✓	✓	✓
21	22811A4222	KUNTA SIRISHA	✓	✓	×	✓	✓	✓
22	22811A4223	LAKKARAJU ASHOK	✓	✓	✓	✓	✓	✓
23	22811A4224	MAJJI ANUSHA	✓	✓	✓	✓	✓	✓
24	22811A4225	MALLA GAHINDRA	✓	✓	✓	✓	×	✓
25	22811A4226	MULAGAPAKA SATISH	✓	✓	✓	✓	✓	✓
26	22811A4227	NALAGONDA PARAMESWARA RAO	✓	✓	✓	✓	✓	✓
27	22811A4228	NAMMI DHARA DURGAPRASAD	✓	✓	×	✓	✓	✓
28	22811A4229	NAVUDU RAJU CHAITHANYA	✓	✓	✓	✓	✓	✓

29	22811A4230	PAILA.RAJA RATNAM	✓	✓	✓	✓	✓	✗
30	22811A4232	PENTAKOTA HARIKA	✓	✓	✓	✓	✓	✓
31	22811A4233	PINAPATRUNI SIRI CHANDANA	✓	✓	✗	✓	✓	✓
32	22811A4234	POTHURAJU SRAVANI	✓	✓	✓	✓	✓	✓
33	22811A4235	RAVIVALASA MOUNIKA	✓	✓	✓	✓	✓	✓
34	22811A4236	REDDI RAMESH	✓	✓	✓	✓	✓	✓
35	22811A4237	REDDI YUVA LAKSHMI NANDINI	✓	✓	✓	✗	✓	✓
36	22811A4238	ROUTHU LEELA	✓	✓	✓	✓	✓	✓
37	22811A4239	SABBAVARAPU RAMESH	✓	✓	✓	✓	✓	✓
38	22811A4240	SHAIK RIZWANA SUBHANBIBI	✓	✓	✓	✓	✓	✓
39	22811A4241	SIRIDALLA PREETHAM	✓	✓	✓	✓	✓	✓
40	22811A4242	SOLLA ADARSH	✓	✓	✓	✗	✓	✓
41	22811A4243	SONTYANA AVINASH BHADRACHARI	✓	✓	✓	✓	✓	✓
42	22811A4244	SUNKARA MURALI SAI	✓	✓	✓	✓	✓	✓
43	22811A4245	SUNKARA RAMADEVI	✓	✓	✓	✓	✓	✓
44	22811A4246	SWAIN SUNIL KUMAR	✓	✗	✓	✓	✓	✓
45	22811A4247	THAPPETLA LAKSHMI NARASIMHA NAIDU	✓	✓	✓	✓	✓	✓

46	22811A4248	THUMMAGUNTA ARUNA KUMARI	✓	✓	✓	✓	✗	✓
47	22811A4249	UPPALAPU NAVYAMANI	✓	✓	✓	✓	✓	✓
48	22811A4250	URUKUTLA VISHNU	✓	✓	✓	✓	✓	✓
49	22811A4251	VEESAM SATISH	✓	✓	✓	✓	✓	✓
50	22811A4252	VEGI GOWRI	✓	✗	✓	✓	✓	✓
51	22811A4253	YALAMARTHI PADMASRI	✓	✓	✓	✓	✓	✓
52	22811A4254	BANDARU JAGADEESH	✓	✓	✓	✓	✓	✓
53	22811A4255	NUNNAGUPPALA BHUVANESHWARI	✓	✓	✓	✓	✓	✗
54	23815A4201	CHARAN SAI BERA	✓	✓	✓	✓	✓	✓
55	23815A4202	NIMMALA DEEPIKA	✓	✓	✗	✓	✓	✓
56	23815A4203	PENTAKOTA GANESH	✓	✓	✓	✓	✓	✓
57	23815A4204	PILLA SAI MANI KUMAR	✓	✓	✓	✓	✓	✓
58	23815A4205	PITHANI NAGA PHANENDRA	✓	✓	✗	✓	✓	✓
59	23815A4206	RANGALA MANIKANTA	✓	✓	✓	✓	✓	✓
60	23815A4207	RATNALA SUDHEER	✓	✓	✓	✓	✓	✓
61	23815A4208	VELAMKAYALA HEMANTH KUMAR	✓	✓	✗	✓	✓	✓
62	23815A4209	BODDETI PURNA CHINNA VAMSI	✓	✓	✓	✓	✗	✓
63	23815A4210	BODDETI JAGATH KALYAN	✓	✓	✓	✓	✓	✓

64	23815A4212	VIYYAPU KRISHNAMRAJU	✓	✓	✓	✓	✓	✗
65	20811A4233	VANTAKULA SAI LAKSHMI	✓	✓	✓	✓	✓	✓
66	22811A4401	ADARI EASWAR KARTHIK	✓	✓	✗	✓	✓	✓
67	22811A4402	AMARAPALLI AKHILESH	✓	✓	✓	✓	✓	✓
68	22811A4403	ANGIREDDI INDU	✓	✓	✗	✓	✓	✓
69	22811A4404	APPIKONDA KRISHNAVENI	✓	✓	✓	✓	✓	✓
70	22811A4405	BAMMIDI SRIDHAR	✓	✓	✓	✓	✓	✓
71	22811A4406	BHOOMIREDDY VENKATA SAI REDDY	✓	✓	✓	✓	✗	✓
72	22811A4407	BOBBADI DINESH KUMAR	✓	✗	✓	✓	✓	✓
73	22811A4408	BONNADA SANTHOSHKUMAR	✓	✓	✓	✓	✓	✓
74	22811A4409	BYLAPUDI HARIKA	✓	✓	✗	✓	✓	✓
75	22811A4410	CHINTALA RAMESH	✓	✓	✓	✓	✓	✓
76	22811A4411	CHOWDUVADA VIDYA	✓	✓	✓	✓	✓	✓
77	22811A4412	CHUKKALA MERCY PRASANNA	✓	✓	✓	✓	✓	✓
78	22811A4413	DALABOINA SYAMALA	✓	✓	✓	✓	✓	✓
79	22811A4414	DAMMU SATHISH	✓	✓	✓	✓	✓	✓
80	22811A4415	DEVARA NARESH	✓	✓	✓	✓	✓	✗

81	22811A4416	DWARAMPUDI RAMYA SATYA SREE DEVI	X	✓	✓	✓	✓	✓
82	22811A4417	ENDRA KIRAN	✓	✓	✓	X	✓	✓
83	22811A4418	GANDI KAVYA	✓	✓	✓	✓	✓	✓
84	22811A4419	GATTEM HEMA	✓	✓	✓	✓	✓	✓
85	22811A4420	GONGADA USHA RANI	✓	✓	✓	✓	✓	✓
86	22811A4421	GURRAM ANAND RAO	✓	✓	✓	✓	✓	✓
87	22811A4422	KATTUMURI RAMYA ANUSHA	✓	✓	✓	✓	✓	✓
88	22811A4423	KILLADA SAI SAMPATH	✓	X	✓	✓	✓	✓
89	22811A4424	KOLA SAI BHUPATHI NITESH	✓	✓	✓	✓	✓	✓
90	22811A4425	KOTTAPALLI SURYA TARUN	✓	✓	✓	✓	✓	✓
91	22811A4426	LALAM UTTARA KUMARI	✓	✓	✓	✓	✓	✓
92	22811A4427	MALLA NIRMALA DEVI	✓	✓	✓	✓	✓	✓
93	22811A4429	NIMMADALA ASWINI	✓	✓	✓	✓	✓	✓
94	22811A4430	PALLA. GEETHIKA	✓	✓	✓	X	✓	✓
95	22811A4431	PALURI SEKHAR	✓	X	✓	✓	✓	✓
96	22811A4432	PEDAPENKI MANIKANTA	X	✓	✓	✓	X	✓
97	22811A4433	POTHALA SATYANARAYANA	✓	✓	✓	✓	✓	✓
98	22811A4434	REDDY ANITHA	✓	✓	✓	✓	✓	✓

99	22811A4435	RONGALI RAMA GANGADHAR	✓	✓	✓	✓	✓	✓
100	22811A4436	SABBANA GAYATRI	✓	✓	✓	✓	✓	✓
101	22811A4437	SATHIVADA UMA	✓	✓	✓	✓	✓	✓
102	22811A4438	SETTI LAVANYA	✓	✓	✓	✓	✓	✓
103	22811A4439	SURISSETTI GANESH JYOTSHNA	✓	✓	✓	✓	✓	✓
104	22811A4440	ULLINGALA VAMSI	✓	✓	✗	✓	✓	✓
105	22811A4441	URLIKONDA KUSUMA LAXMI	✓	✓	✓	✓	✓	✓
106	22811A4442	VALAVALA DIVYA ANU SRI	✓	✓	✓	✓	✓	✓
107	22811A4443	VANAPALLI MANIKANTA	✓	✓	✓	✓	✓	✓
108	22811A4444	TAMADA SASI KIRAN	✓	✓	✓	✓	✓	✓
109	22811A4445	RANGISSETTI SUNITHA	✓	✗	✓	✓	✓	✗
110	23815A4402	KODIGUDLA BALA GANESH MANIKANTA	✓	✓	✓	✓	✓	✓
111	23815A4404	MANDALA DIVAKAR	✓	✓	✓	✓	✓	✓
112	23815A4405	NAGALA DURGA PRASAD	✓	✓	✓	✓	✓	✓
113	23815A4406	PEDARI HARISH	✓	✓	✓	✓	✓	✓

COORDINATOR



HOD  
 Avadh Institute of Engg. & Technology  
 Tamaram, Markavarepalem Md.,  
 Anepakelli District., Pin: 531 113

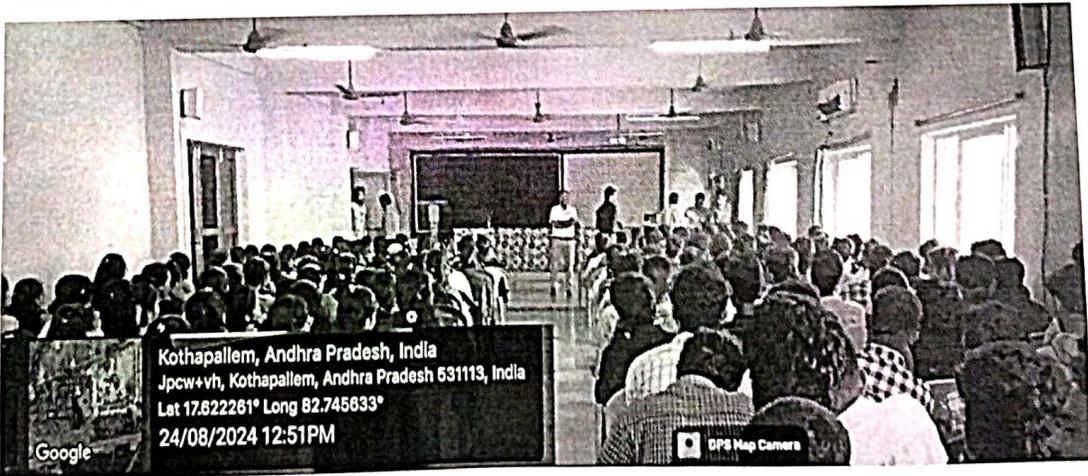
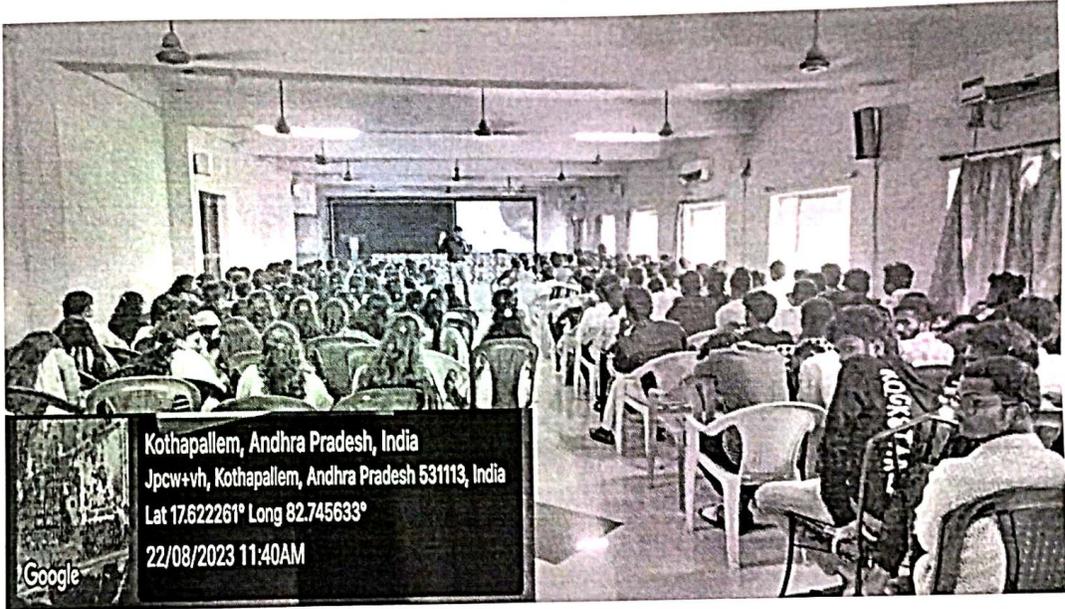


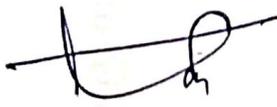
**AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
(Approved by AICTE, Permanently Affiliated to JNTU GV, Vizianagaram,  
ACCREDITED BY NAAC and Recognized under 2(f) & 12 (b) by UGC, New Delhi)  
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**

**ADVANCED PYTHON**

21<sup>st</sup> AUG 2023 to 26<sup>th</sup> AUG 2023



  
COORDINATOR

  
HOD  
Avanthi Institute of Engg. & Technology  
Tamaram, Makavarapalem Md.,  
Anakapalli District., Pin: 531 113



# AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNTU GV, Vizianagaram,  
ACCREDITED BY NAAC and Recognized under 2(f) & 12 (b) by UGC, New Delhi)  
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

## Certificate of Participation

This is to certify that

Mr./Ms. \_\_\_\_\_ of \_\_\_\_\_ has participated in the Certificate Course entitled on **ADVANCED PYTHON** during from 21<sup>st</sup> AUG 2023 to 26<sup>th</sup> AUG 2023 was organised by the Department of COMPUTER SCIENCE ENGINEERING-AI&ML, CSE-DS at Avanathi Institute of Engineering and Technology.

**Coordinator**

**HOD**

**Principal**



## AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNTU GV, Vizianagaram,  
Accredited by NAAC and Recognized under 2(f) & 12 (b) by UGC, New Delhi)  
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli-531113

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING-AI&ML, CSE-DS

Dt. 28/08/2023

### BRIEF REPORT

Department of Computer Science Engineering, Avanthi Institute of Engineering and Technology had organized a certificate course on "ADVANCED PYTHON" during 21<sup>st</sup> AUG 2023 to 26<sup>th</sup> AUG 2023.

The first speaker, Dr. G. JAYA SUMA, Professor of Dept. of IT, JNTUGV - Vizianagaram, explained Advanced Python—a powerful extension of the core Python language that enables developers to build efficient, scalable, and high-performance applications. Python is widely known for its simplicity and readability, but when we move beyond the basics, it unlocks \*advanced features\* that make it a dominant force in modern programming” she stated during his session.

The second expert Dr. T. SATYANARAYANA MURTHY, Assistant Professor of Dept. of IT, CBIT, Hyderabad explained as Python is a powerful and versatile programming language that has gained immense popularity due to its simplicity and efficiency. While basic Python is widely used for scripting and general programming, Advanced Python unlocks a whole new level of capabilities, making it essential for high-performance applications. This report explores the various uses of Advanced Python across different industries." he stated during his session.

The event concluded with a panel discussion and certificate distribution. Participants expressed appreciation for the depth of knowledge shared by the resource persons. Many students found the sessions insightful, particularly the discussions on the future of hybrid and electric mobility. Thanked the resource persons for their valuable contribution and encouraged students to explore career opportunities in the evolving field of Software technology.

  
COORDINATOR

  
N.V. Ashok Kumar,  
Head of the Department  
CSE(AI&ML, DS) Department  
Avanthi Institute of Engineering and Technology,  
Tamaram, Makavarapalem (RD),  
Anakapalli District., Pin: 531 113