

**Report on A Six-day Skill Development Training Program
on "Python Programming"**
Organized by SKILL DEVELOPMENT CELL
in Association with Department of Electrical & Electronics Engineering
From 11.09.2023 to 16.09.2023
Venue: Siemens Computer Lab (EB:019)



Submitted by: **Dr. V.B. Thurai Raaj**, Assistant Professor in EEE & SPOC-APSSDC t-SDI, Madanapalle Institute of Technology & Science.

Co-ordinated by:

1. Mr. E. Raghu Babu, Assistant Professor, Dept. of EEE MITS.
2. Mr. Ramesh Kumar R, Assistant Professor, Dept. of EEE MITS.

Report Received on: 17.10.2023

Resource Person: **Mr. Ravi**, Executive Technical Programmer, APSSDC, Vijayawada.

Total Participants 68 - Students & 2 Faculty

The APSSDC- Skill Development Cell, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle in association with the Department of Electrical & Electronics Engineering, MITS has organized a six-day skill development program from 11.09.2023 to 16.09.2023 on "Python Programming" In this program, about 68 participants participated and made the event grant success.

A summary of the skill development program is as follows:

Dr. A. V. Pavan Kumar, Professor & Head of the Dept., Dept. of Electrical & Electronics Engineering, welcomed the resource person and gave a brief introduction to the six-day skill development program finally he inaugurated the program with his motivational speech. Dr. T.S. Balaji Damadhar, Academic Head, Dept. of EEE addressed the gathering in inaugural session he said about importance of PLC. Dr. V B Thurai Raaj, Assistant Professor in EEE & SPOC-APSSDC t-SDI, introduced the resource person and he handed over the session to the resource person.

The 68 students from the third year and two faculties from the Department of Electrical & Electronics Engineering participated in this six-day hands-on training program.

Day-1(12.09.2023)

Morning session:

Downloads, Installation, and Configuration of Python Software, Version Check, Different ways to execute Python programs, Overview of Basic Procedure, Advanced Editor, and IDLE.

Afternoon session:

Pip Version check, Upgrade, Jupyter Notebook Installation, Jupyter Notebook Overview, Markdown Format with sample example on it, Variable with sample example on it.

Day-2(13.09.2023)

Morning session:

Markdown Format with sample examples on each, Variable Assignment Types with sample examples on each.

Afternoon session:

Data types, Operators, and Input Formatting with sample examples on each.

Day-3(14.09.2023)

Morning session:

Output Formatting with sample examples on each, Conditional Statements Overview.

Afternoon session:

If, if-else, nested if, and elif with sample example on each, Loops Overview, For, range, and while with sample example on each.

Day-4(15.09.2023)

Morning session:

While with a sample example on each, Jumping Statements (break, continue, and pass) with a sample on each.

Afternoon session:

Inner Loops, Function argument types, user-defined function types, function argument types overview.

Day-5(16.09.2023)

Morning session:

Function types, User Defined function types with sample examples on each.

Afternoon session:

Function Argument Types, Data Structures Overview, List and tuple methods with sample examples on each.

Outcomes: students can be able to

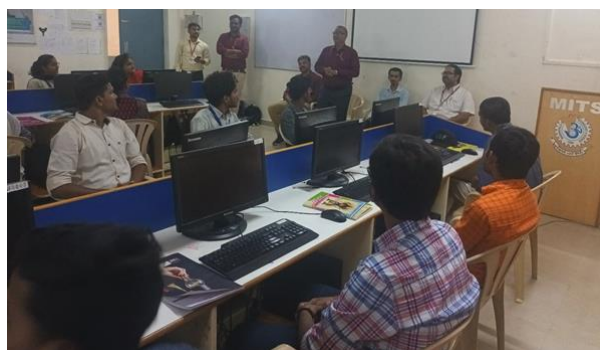
1. Understand the syntax and semantics of Python.
2. Demonstrate the use of Python lists and dictionaries.
3. Demonstrate the use of Python File processing, directories
4. succeed in an IT Industry interview and get an IT job.

The actual program is scheduled from 11.09.2023 to 16.09.2023, from 09:30 AM to 04:00 PM. Due to a local bandh and a sudden unexpected institutional holiday, the program was started on 12.09.2023 to 16.09.2023 with a new schedule from morning 08:30 AM to evening 05:30 PM. All the content was covered within five days. Here I thank the trainer, Mr. Ravi, Executive Technical Programmer for his kindness and his gratitude towards our student.

I expressed my gratitude to the Management and Dr. C Yuvaraj, Principal for giving permission and financial support to organize this program. I thank Dr. C. Kamal Basha, Professor & Vice Principal- Administration for providing the necessary needs in time and for his support. I Thank Dr. A.V. Pavan Kumar, Professor & HOD/EEE, for his continued guidance in all the parameters. Finally, I thank Dr. A V Pavan Kumar, HOD/ EEE for giving me this good opportunity to conduct this program. I thank Dr. K. Arulkumar, Research Head, Dept. of EEE for his continuous support.



Dr. A. V. Pavan Kumar, HOD / Electrical & Electronics Engineering, Addressing the Gathering



Dr. T.S. Balaji Damodhar, Academic Head, Dept. of EEE addressed the gathering in inaugural session.



Dr. V B Thurai Raaj, Assistant Professor in EEE & SPOC-APSSDC t-SDI addressed the gathering in the inaugural session.

