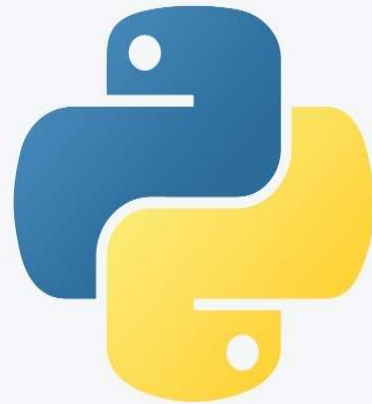


National



SKILL DEVELOPMENT PROGRAM ON PYTHON



Platform
Online



Date
27 March, 2023 to
08 April, 2023



Venue
Microsoft teams



Time
6:30 PM to 8:30 PM

Speaker:

APPSSDC people

Vijayawada

Coordinator:

Dr. M. S. Sujatha

Professor and Head, EEE

Co-coordinator:

Mr. P. Venkatesh




Assistant Professor, EEE

WHO CAN PARTICIPATE?

III B.Tech, EEE Students



Organized by: Department of EEE

Follow us :   / iVidyanikethan  / SreeVidyanikethanEngineeringCollegeOfficial



SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, A. Rangampet, Tirupati, Andhra Pradesh – 517102

Department of Electrical and Electronics Engineering

Skill Development Program

on

Python

(27-03-2023 to 08-04-2023)

REPORT

Department of EEE has organized a “skill development program on Python” from 27-03-2023 to 08-04-2023.

Introduction:

The Python program is a scripting language that can be used for development, coding websites and applications, processing images, scientific data, and more. The program can be found in action on the Google search engine, NASA, Disney, Pinterest, and more. It was built for ease of use and speed and is less complicated than Ruby and other similar object-oriented programming languages. Because it is open-sourced, the program has enjoyed popularity among developers and programmers, and it continues to be the base program for most websites in operation on the internet today.

Python software is free to download and can be accessed on virtually every type of operating system. It comes with a large standard library that will make programming simple tasks, such as reading and modifying files, connecting to web servers, and more, easy. Companies such as Nokia, IBM, Google, and Disney were all searching for programmers with Python experience to help them with web applications and framework development; in this respect, Python works perfectly with Django, which functions as the base framework system that Python builds on. Python also enables programs to script professional-grade web-based products. From back-end to front-end development, full-stack, and web-based options, Python programmers continue to find more economic prospects as the use of the language grows to encompass all areas of software and web development.

Duration:

14 Days (or) 36 Hours.

Content:

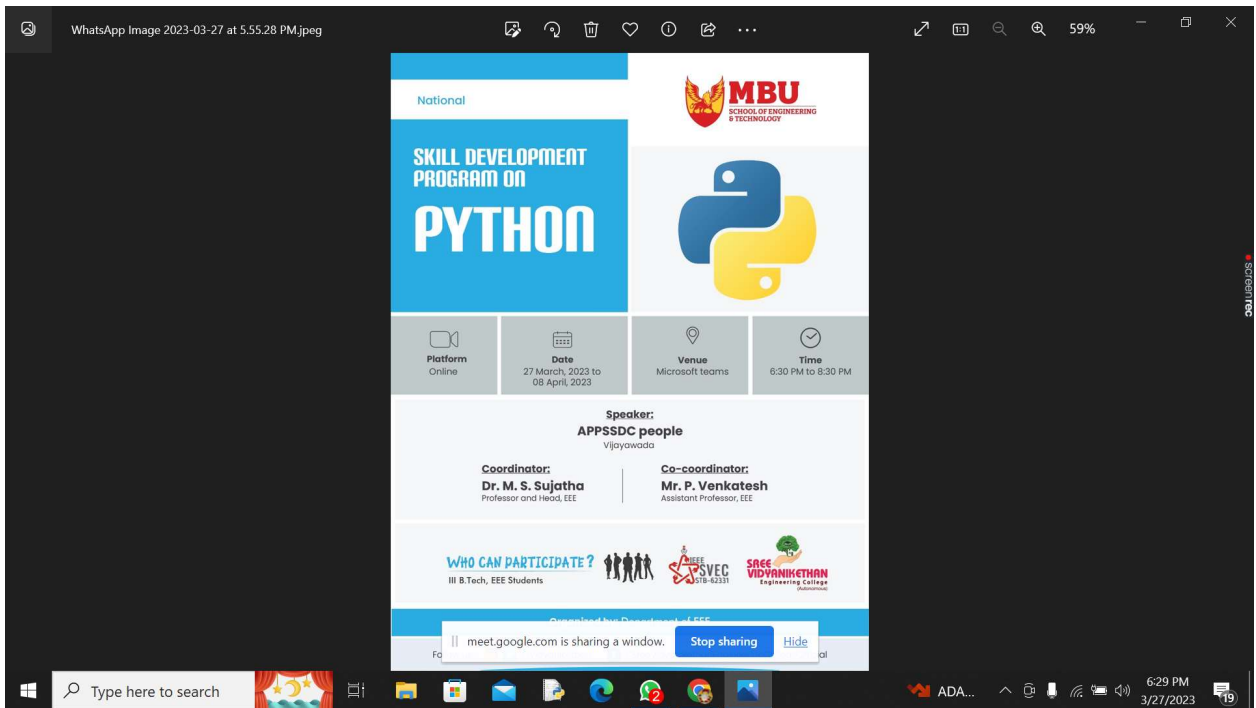
S.No	Topics	Duration
1	Python Introduction	1 Hr
2	Literate Programming	1 Hr
3	Jupyter Notebook Environment	
4	Markdown format for documentation	
5	Python basics	1 Hr
6	Keywords in Python,Operators in Python	1 Hr
7	Conditional Statements	1 Hr
8	Iterations	2 Hrs
9	Jump Statements(Break,Continue with examples)	2 Hrs
10	continue(with example)	
11	Functions	2 Hrs
12	Arguements in Functions	
13	Strings	2 Hrs
14	String Functions,String Slicing	
15	Python Data Structures	1 Hr
16	Lists	
17	List Methods	
18	Tuples	1 Hr
19	Tuple Methods	
20	Dictionaries	2 Hrs
21	Dictionary Methods	

S.No	Topics	Duration
22	Sets	1 Hr
23	Set Methods	
24	Packages and Modules	2 Hrs
25	Regular Expression	
26	File Handling	2 Hrs
27	List Comprehension	1 Hr
28	Iterators,Generators	1 Hr
29	Functional Programming:	2 Hr
30	Maps,Filters,Lambda	
31	Object-Oriented Programming	3 Hrs
32	Classes,Objects,Constructors, inheritance	
33	Python Packages and modules using oop's.	
34	Python Libraries for Data Science	2 Hrs
35	NumPy,And arrays, Advantages of NumPy	
36	Pandas	3Hrs
37	Data Structures in Pandas,Pandas Series	
38	Data Frames	3 hrs
39	Data Visualisation using Matplotlib library	

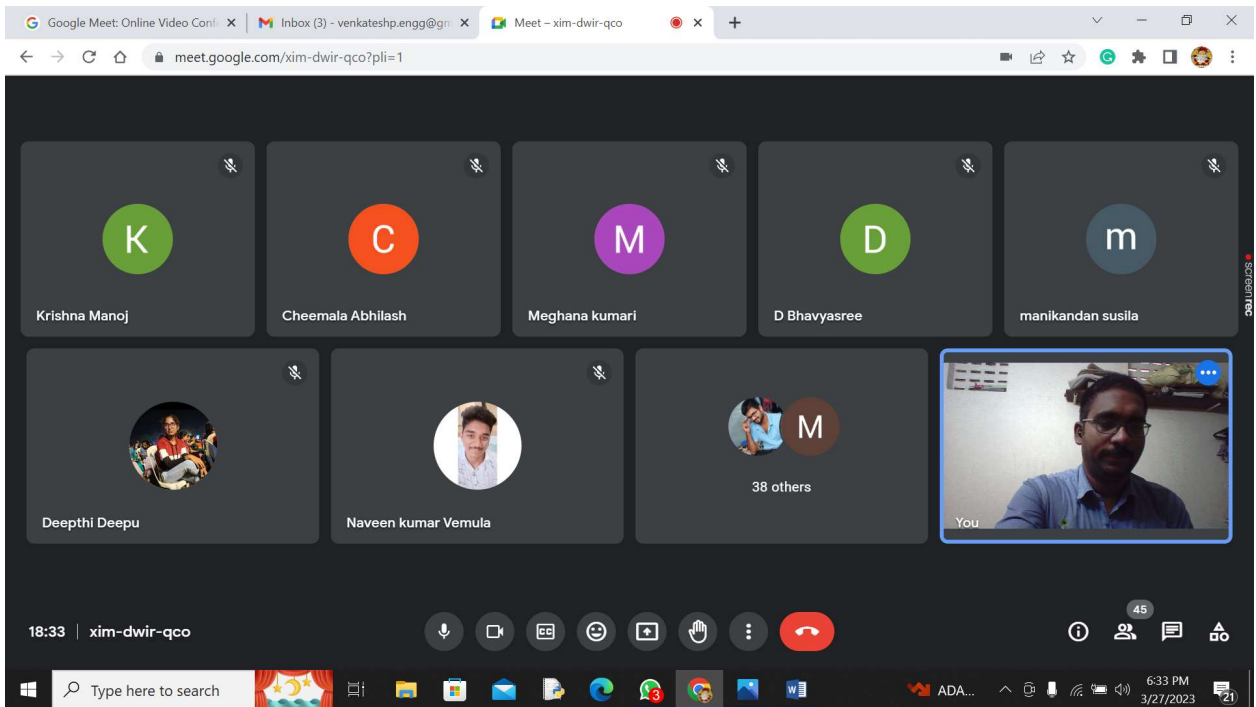
Course Objectives:

The course is designed to provide Basic knowledge of Python. Python programming is intended for software engineers, system analysts, program managers and user support personnel who wish to learn the Python programming language.

Introduction about python and what are supporting software packages are required.



How create a file and execution process elaborated clearly .



Google Meet: Online Video Con... | Inbox (3) - venkateshp.engg@gm... | Meet - xim-dwir-qco | Google

meet.google.com/xim-dwir-qco?pli=1

Ruthumma M is presenting

You're presenting to everyone

In-call messages

Messages can only be seen by people in the call and will disappear when the call ends.

yes
see only

Ravada Pande darga 8:52PM
Hi! In knowledge

Sharan sathesh (2212540237@e...)
change in scope

Venkatesh Peruthambal 8:52PM
very interesting scope

Ravada Pande darga 8:52PM
just basics website

Venkatesh Peruthambal 8:52PM
nearly 35 members have helped me learn

Search in messages to stay organized

Kranthi Kumar... MAHIDHAR

MAHIDHAR EEDALA

Krishna Manoj

Cheemala Abhilash

73 others

You

18:56 | xim-dwir-qco

Type here to search

32°C 6:56 PM 3/27/2023

Google Meet: Online Video Con... | Inbox (3) - venkateshp.engg@gm... | Meet - xim-dwir-qco | Google

meet.google.com/xim-dwir-qco?pli=1

Ruthumma M is presenting

36 hours course to complete all the basics

24 hrs:12 sessions

Day1:Introduction to course

platforms that supports python to execute

S/w installation

Introduction to python

Ruthumma M

MAHIDHAR EEDALA

Cheemala Abhilash

vishnu vardhan

70 others

You

18:59 | xim-dwir-qco

Type here to search

32°C 6:59 PM 3/27/2023

Search results - venkatesh.p@vidyaniket | paper - venkatesh.p@vidyaniket | Meet - heo-ojuz-gax | Anaconda | Anaconda Distributio

meet.google.com/heo-ojuz-gax?pli=1

Ruthumma M is presenting

Day2(28th Mar 2023) (unsaved changes)

S.no	Name	Roll	Year	Location
1	Sowmya	12	2	Gnt
2	Rani	15	5	Vij

```

1 ## your resume
2 personal info
3 academic info:study[table]
4 achievements :
5 profile
6 contact details
7 social media
  
```

19:13 | heo-ojuz-gax

Type here to search

34°C 7:13 PM 3/28/2023

Search results - venkatesh.p@vidyaniket | paper - venkatesh.p@vidyaniket | Meet - heo-ojuz-gax | Anaconda | Anaconda Distributio

meet.google.com/heo-ojuz-gax?pli=1

Ruthumma M is presenting

Day2(28th Mar 2023) (unsaved changes)

uploading image

```

1 
  
```

Table in our document

S.no	Name	Roll	Year	Location
1	Sowmya	12	2	Gnt

19:15 | heo-ojuz-gax

Type here to search

34°C 7:15 PM 3/28/2023

Ruthumma M is presenting

The screenshot shows a Zoom meeting interface. The main window displays a Jupyter Notebook titled "Day2(28th Mar 2023)" with the following text:

```
4 - used for multiple purpose such as scientific computation,system
5 s/w development,web development,mobile application development .
6 - **High Level**
7 - User understandable language
8 - **Interpreted language**
9 - gives us the line by line execution and there is no compiler in
the middle of execution
```

The in-call messages sidebar on the right shows the following messages:

- sai krishna 19:01: yes mam
- You 19:03: yes madam
- You 19:11: yes madam
- Cheemala Abhilash 19:11: S mam
- Cheemala Abhilash 19:16: Python is portable language

At the bottom, the Zoom control bar shows the time 19:21 and the ID heo-ojuz-gax. The participant list includes Ruthumma M, Kalanjali M, Meghana kumari, 10 others, and You.

The screenshot shows a Jupyter Notebook titled "Day2(28th Mar 2023)" with the following text:

```
4 - used for multiple purpose such as scientific computation,system
5 s/w development,web development,mobile application development .
6 - **High Level**
7 - User understandable language
8 - **Interpreted language**
9 - gives us the line by line execution and there is no compiler in
the middle of execution
10 - **Features of python**
11 1. platform independent (can run on any operating system)
12 2. Easy to learn and simple to code
13 3. It requires prior coding knowledge to leRn
14 4. Syntax free language
```



```
4 - used for multiple purpose such as scientific computation,system
5 s/w development,web development,mobile application development .
6 - **High Level**
7   - User understandable language
8 - **Interpreted language**
9   - gives us the line by line execution and there is no compiler in
10  the middle of execution
11 - **Features of python**
12   1. platform independent (can run on any operating system)
13   2. Easy to learn and simple to code
14   3. It requires prior coding knowledge to leRn
15   4. Syntax free language
16   5. It is both case sensitive and space sensitive
```

In []: 1

```
12   3. It requires prior coding knowledge to leRn
13   4. Syntax free language
14   5. It is both case sensitive and space sensitive
15   6. There is no type declaration in python since it is dynamically typed
16
17 - **Applications of python**
18   - it is the building block of all current technologies such as Data
19   Analysis,Machine Learnin,Aritificial Intelligence(Data Science),
```

In []: 1

The screenshot shows a Jupyter Notebook window titled "Day2(28th Mar 2023)". The interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations and execution. The main content area displays a list of Python characteristics:

- 3. It requires prior coding knowledge to learn
- 4. Syntax free language
- 5. It is both case sensitive and space sensitive
- 6. There is no type declaration in python since it is dynamically typed

Below the list, there is a section titled "**Applications of python**" with a sub-point: "- it is the building block of all current technologies such as Data Analysis, Machine Learning, Artificial Intelligence (Data Science), Robotics, IOT, Cloud Computing etc."

The bottom of the notebook shows an input prompt "In []:" followed by the number "1". The Windows taskbar at the bottom indicates a temperature of 31°C and the date 28-03-2023.

The screenshot shows a Jupyter Notebook window titled "Day2(28th Mar 2023)". The interface is similar to the first screenshot, but the main content area displays a list of Python keywords and their uses:

- 6 **def, return, yield**: represents the function/used in function
- 7 **del**: deletes the iterable
- 8 **if, else, elif**: conditional statements
- 9 **except, try, finally, raise**: used in exceptional handling
- 10 **for, while**: loops
- 11 **import, from, as**: used to import modules
- 12 **in**: membership op'r
- 13 **is**: identity op'r
- 14 **with**: to open the files existed in our local machine

The bottom of the notebook shows an input prompt "In []:" followed by the number "1". The Windows taskbar at the bottom indicates a temperature of 31°C and the date 28-03-2023.

Learning Outcome:

Problem-solving and programming capability using Python

Entry Requirements (Pre-requisites):

Basic Knowledge of Computer.

Eligibility :

who are willing to Learn Python Programming language are eligible.

Hardware Requirements:

i3 or above Processor is required - 4 GB or above RAM is recommended - Good

Internet Connectivity - OS-Windows 10 is Preferable.

Mode of training: Virtual

Details of the speaker:

1. Trainer name – k.Meenakshi


APPSSDC.

Mail id - meenakshi.k@apssdc.in

2. Trainer name – K Narmada Mani

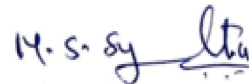
APPSSDC.

Mail id - narmadha.km@apssdc.in



SIGNATURE OF CO-CONVENOR

Mr. P. VENKATESH
Assistant Professor,
Department of EEE, SVEC.



SIGNATURE OF CONVENOR

Dr. M. S. Sujatha
Professor & Head
Department of EEE, SVEC.



SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

Sree Sainath Nagar, A. Rangampet, Tirupati, Andhra Pradesh – 517102

Department of Electrical and Electronics Engineering

Registrations for skill development program on “Python”
27-03-2023 to 08-04-2023

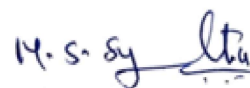
S.No	ROLL NO	NAME OF THE STUDENT	E-MAIL ID
1.	19125A0119	Rakesh Pernati	pernatirakesh0035@gmail.com
2.	19125A0126	Thallika Venukumar	venukumar6789@gmail.com
3.	20121A0205	Ambati Geetika	ambatigeetika2003@gmail.com
4.	20121A0207	Avula Nitheesh	avulanitheesh@gmail.com
5.	20121A0208	B Jagadesh Naik	jagadeshnaik2003@gmail.com
6.	20121A0214	Bathala Sai Krishna	saikrishna7154@gmail.com
7.	20121A0218	B.Thippamma	bthippamma273@gmail.com
8.	20121A0220	B Jaya Prakash	jayaprakashbommisetty2580@gmail.com
9.	20121A0221	Boya Hemalatha	hemalathaboya03@gmail.com
10.	20121A0221	Boya Hemalatha	hemalathaboya03@gmail.com
11.	20121A0223	B.Maheswari	budisemaheswari2020@gmail.com
12.	20121A0228	Cheemala Abhilash	cheemalaabhilash831@gmail.com
13.	20121A0237	Dhanikela Venkata Sai Krishna	venkatasaikrish22@gmail.com
14.	20121A0255	Tharun Raj	tharunraj2498@gmail.com
15.	20121A0259	K Veera Narendra Kumar	veeranarendrakumar120@gmail.com
16.	20121A0264	Kathi Uday Munaiah	kathiudaymunaiah123@gmail.com
17.	20121A0266	Kattubadi Sivamuni Peddaiah	kattubadisiva8@gmail.com
18.	20121A0273	Kovi Chaitanya	kovichaitanya2001@gmail.com
19.	20121A0274	Kovvuru Sindhu	sindhusiri9441@gmail.com
20.	20121A0275	Kovvuru Sireesha	sireesh8688@gmail.com
21.	20121A0276	Kunchala Varsha	varshakunchala730@gmail.com
22.	20121A0278	Kuppani Lahnavi	kuppanilahnavi@gmail.com
23.	20121A0279	Kuppani Ramya	kuppaniramy@gmail.com
24.	20121A0281	Kuravalapalli Kiran Kumar Reddy	kirankumarreddy168@gmail.com
25.	20121A0282	Kuruba Madhusudhan	kurubamadhusudan69@gmail.com
26.	20121A0287	Maddula Venkata Mounika	maddula.mounika111@gmail.com
27.	20121A0287	Maddula Venkata Mounika	maddula.mounika111@gmail.com
28.	20121A0292	Mangili Swathi	mangiliswathimangili@gmail.com

29.	20121A0293	M Kushmanth Reddy	kushmanthreddy968@gmail.com
30.	20121A0294	Marrimekala Jayavardhan	jayavardhanm77@gmail.com
31.	20121A0299	Mopuru Lenadeesh Reddy	m.lenadeeshreddy@gmail.com
32.	20121A02A4	Nagireddygari Deekshitha	deekshithareddy0950@gmail.com
33.	20121A02A5	Nallaballe Nagaiah	nallaballenagaiah77499@gmail.com
34.	20121A02A7	N.Hema Priya	namalahemapriya@gmail.com
35.	20121A02B1	Nimmakayala Venkata Karthikeya Reddy	karthikreddy252003@gmail.com
36.	20121A02B5	Pappireddy Sabitha	pappireddysabitha@gmail.com
37.	20121A02B6	Pattem Sai Chandana	saichandana23p@gmail.com
38.	20121A02B8	Peddakotla Narayanaswami	swamipeddakotla@gmail.com
39.	20121A02C5	Polu Jaya Simha Reddy	polujayasimha@gmail.com
40.	20121A02C6	Pothana Boina Phani Vardhan	phanivardhan0@gmail.com
41.	20121A02D2	Puvvadi Pramod Kalyan	pkaruna910@gmail.com
42.	20121A02D5	Reddi Vari Kranthi Kumar Reddy	kranthi147258@gmail.com
43.	20121A02E7	Shaik Khadar Basha	basha.messy@gmail.com
44.	20121A02G0	Uday Kiran V	udaykiranv867@gmail.com
45.	20121A02G2	Undralla Venkata Sai Kumar	saiundralla553@gmail.com
46.	20121A02G8	Veerabathula Simhadri Appanna	appannaveerabhathula409@gmail.com
47.	20121A02H2	Vundela Jitendhar Reddy	jitendhar24@gmail.com
48.	20121A02H7	Yerabolu Akshitha	akshithayerabolu5@gmail.com
49.	20121A0376	Madakala Udaykiran Reddy	udayreddy101251@gmail.com
50.	21125A0205	Bandi Madhavi	madhavibandi2003@gmail.com
51.	21125A0214	Cheepati Reddy Sudha	reddycrs31@gmail.com
52.	21125A0235	Korinapalli Sofiya	sofiyakorinapalli@gmail.com
53.	21125A0239	Mangalapuri Srivalli	srivallireddy.m@gmail.com
54.	21125A0257	Tappeta Gayathri	tappetageetha@gmail.com
55.	22125A0243	Singasani Venkata Siva Mohan Reddy	mohansingasani@gmail.com
56.	22125A0244	Sreepati Sai Guru	saigurusreepathi@gmail.com
57.	22125A0252	Vulolla Bharath Kumar	vulollabharathkumar@gmail.com



SIGNATURE OF CO-CONVENOR

Mr. P. VENKATESH
Assistant Professor,
Department of EEE, SVEC.



SIGNATURE OF CONVENOR

Dr. M. S. Sujatha
Professor & Head
Department of EEE, SVEC.

