

DEPARTMENT OF PHYSICS
DEVA MATHA COLLEGE, KURAVILANGAD

Affiliated to Mahatma Gandhi University, Kottayam



REPORT
OF
ADD-ON COURSE
IN
INTRODUCTION TO PYTHON FOR PHYSICS
STUDENTS

(Conducted for III DC Physics students)

Academic Year : 2021-2022

Add-on Course in
DMCK/PHY/AD24/2021 : Introduction to Python

Duration: 30 hours

Number of students enrolled : 30

The Physics Department of Deva Matha College Kuravilangad has organised an Add-on Course in Introduction to Python for the III DC Physics students of the college. 30 students registered and successfully completed the course. The course was conducted during the months of February and March of 2022. Resource Persons who engaged the classes were renowned in the respective area. The course is of 30 hours duration including online sessions along with practical sessions. The course is planned and live sessions are conducted through Google Meet platform.

Course Objectives

1. To acquire programming skills in core Python.
2. To acquire Object Oriented Skills in Python
3. To develop the skill of designing Graphical user Interfaces in Python
4. To develop the ability to write database applications in Python

Syllabus

Module 1

(15 hours)

- Installation of Python IDLE (Linux, Windows), list, tuple, dictionary, set, operators, input and output in Python.
- Conditional Statement in Python, Looping Statements in Python, break and continue, File handling with Python.
- User defined Functions in Python.
- Object Oriented Programming with Python.

Module 2

(15 hours)

- Some Python functions (map(), filter(), and reduce()), Lambda Functions in Python, The Zen of Python.
- Regular expressions in Python, Differences between Python 2 and Python 3, Plotting in Python with Matplotlib.
- Some Python Libraries (NumPy and SciPy).
- Introduction to Machine Learning using Python.

Course Outcome

At the end of the course, the student will be able to

1. Explain basic principles of Python programming language
2. Implement object-oriented concepts
3. Implement database and GUI applications.

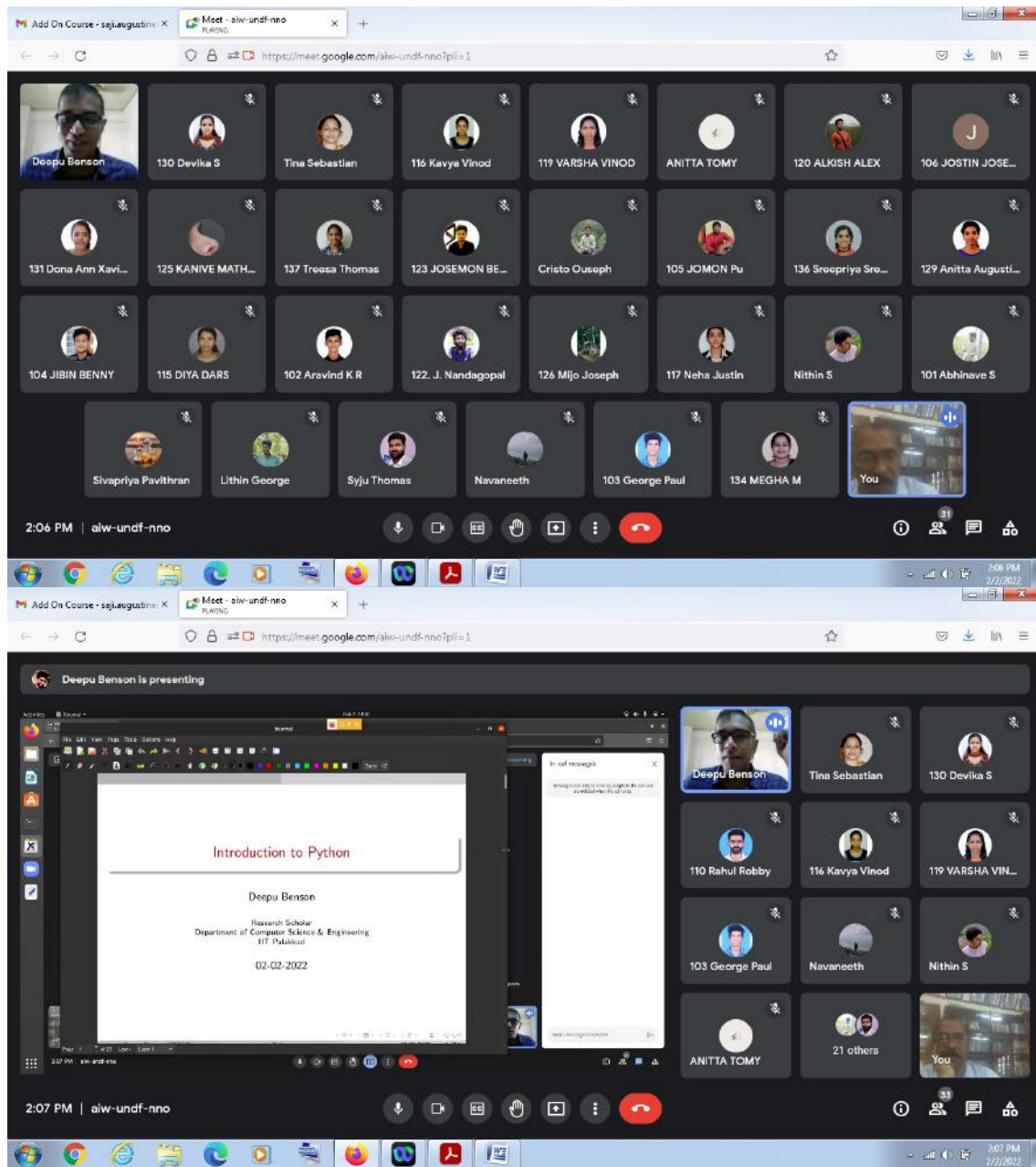
Mode of Evaluation

Attendance and Examination

List of students enrolled

Sl. No.	Class No.	Name
1	101	Abhinave S
2	102	Aravind K R
3	103	George Paul
4	104	Jibin Benny
5	105	Jomon pu
6	106	Jostin Joseph
7	107	Lithin George
8	108	Navaneeth S
9	109	Nithin S
10	110	Rahul Robby
11	112	ANITTA TOMY
12	115	Diya Dars
13	116	Kavya Vinod
14	117	Neha Justin
15	118	Sivapriya Pavithran
16	119	Varsha Vinod
17	120	Alkish Alex
18	121	Cristo Ouseph
19	122	J. NANDAGOPAL
20	123	JOSEMON BENNY
21	124	Joyal Jose
22	125	Kanive Mathew
23	126	Mijo Joseph
24	128	Yougin Rosario Varghese
25	129	Anitta Augustine
26	130	Devika S
27	131	Dona Ann Xavier
28	134	Megha M
29	136	Sreepriya.S
30	137	Treesa Thomas

Photos



Deepu Benson is presenting

Introduction to Python

Deepu Benson
Research Scholar
Department of Computer Science & Engineering
IIT Palakkad
02-02-2022

2:07 PM | aiw-undf-nno

Deepu Benson is presenting

Python 0.9.0 - Year 1991

1980s
#include < iostream >
python

Guido van Rossum

2:15 PM | aiw-undf-nno

BoS - AC Chenganasery - saji X Meet - aiw-undf-nno PLAYING

https://meet.google.com/aiw-undf-nno?pi=1

Deepu Benson is presenting

What is Python? Python, Java, C++, JavaScript, C

- Python is an interpreted high-level general-purpose programming language
- Python 2 (1991) Vs. Python 3 (2008)
- Multi-Paradigm
 - Procedural (C/Fortran)
 - Object-Oriented (C++/Java)
 - Functional (Haskell/Scala)

python

2:16 PM | aiw-undf-nno

2:16 PM 1/21/2022

Add on Course-3 - sajisugustin X Meet - iqq-fyuj-upv PLAYING

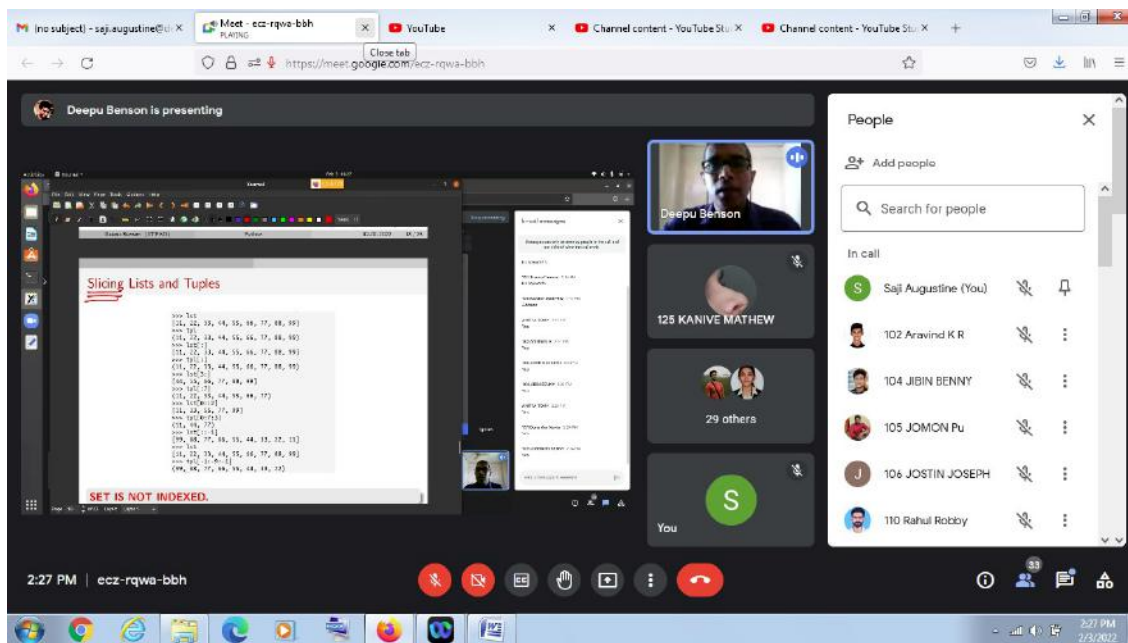
https://meet.google.com/iqq-fyuj-upv?pi=1

Deepu Benson is presenting

```
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```

2:32 PM | iqq-fyuj-upv

2:32 PM 1/24/2022



Feedback Form of 'Introduction to Python'

Timestamp	Email Address	1. Name	2. Class No.	3. How do you rate the course as a whole?	4. How do you rate the co-ordination of the course by the Department of Physics?	5. How do you rate the usefulness of this course?	6. Please give suggestions, if any.
3/14/2022 10:33:38	jazzz7613@gmail.com	Jostin Joseph	106	5	5	1	The course was very helpful
3/14/2022 10:50:24	jibinbenny001@gmail.com	Jibin Benny	104	4	4	3	
3/14/2022 11:03:17	diyadarsvkm@gmail.com	Diya Dars	115	4	5	4	Nil
3/14/2022 11:32:48	anittaaugustine6@gmail.com	Anitta Augustine	129	3	4	5	
3/14/2022 11:51:25	nandagopal212001@gmail.com	J. NANDAGOPAL	122	5	5	4	No suggestions
3/14/2022 12:05:59	donaann985@gmail.com	Dona Ann Xavier	131	4	4	4	
3/14/2022 12:18:25	nittanjaralakodan@gmail.com	ANITTA TOMY	112	3	4	4	

3/14/2022 13:22:34	a4aravind2001@gmail.com	Aravind K R	102	5	5	5	
3/14/2022 13:45:59	varshajanaki19@gmail.com	Varsha Vinod	119	5	5	5	
3/14/2022 14:14:12	sivapriyapavithran@gmail.com	Sivapriya Pavithran	118	5	5	5	If offline it would be better
3/14/2022 16:04:47	mijpacheril@gmail.com	Mijo Joseph	126	4	4	4	
3/14/2022 16:12:26	jomonpu24722@gmail.com	Jomon pu	105	5	5	5	Nothing
3/14/2022 17:51:15	treesathomas923@gmail.com	Treesa Thomas	137	5	5	4	Nil
3/14/2022 20:23:32	josemonb567@gmail.com	JOSEMON BENNY	123	4	4	5	There should be a provision to record classes, so that, students can access it later for clarifications.
3/14/2022 20:45:59	kavyavinod287@gmail.com	Kavya Vinod	116	5	5	4	
3/15/2022 8:31:28	lithingeorge877@gmail.com	Lithin George	107	5	5	5	Nothing
3/15/2022 12:57:41	devu2001vkm@gmail.com	Devika S	130	5	5	4	
3/15/2022 16:27:45	nehajustin00@gmail.com	Neha justin	117	4	5	5	
3/18/2022 11:58:06	gpaul7888@gmail.com	George Paul	103	5	5	5	
3/22/2022 13:51:27	kanivemathew@gmail.com	Kanive Mathew	125	4	5	4	
4/5/2022 8:47:27	sreepriyacp2001@gmail.com	Sreepriya.S	136	5	5	5	
4/5/2022 8:53:19	rahulrobbynjarakkolil@gmail.com	Rahul Robby	110	5	4	5	Nil
4/5/2022 9:00:11	nidhinsreenilayam01@gmail.com	Nithin S	109	4	4	4	Nil
4/5/2022 9:19:33	alkishalex08@gmail.com	Alkish Alex	120	5	5	5	The program was very useful for us and also it helped in my pg course
4/5/2022 10:38:10	cristoousephcr7123@gmail.com	Cristo Ouseph	121	4	4	3	
4/5/2022	nehajustin00@gmail.com	Neha justin	117	4	4	4	

Exam Marklist

Sl. No.	Class No.	Name	Score (Out of 100)
1	101	Abhinave S	80
2	102	Aravind K R	80
3	103	George Paul	100
4	104	Jibin Benny	100
5	105	Jomon pu	80
6	106	Jostin Joseph	80
7	107	Lithin George	100
8	108	Navaneeth S	100
9	109	Nithin S	80
10	110	Rahul Robby	90
11	112	ANITTA TOMY	100
12	115	Diya Dars	100
13	116	Kavya Vinod	100
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15	118	Sivapriya Pavithran	100
16	119	Varsha Vinod	100
17	120	Alkish Alex	70
18	121	Cristo Ouseph	100
19	122	J. NANDAGOPAL	70
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24	128	Yougin Rosario Varghese	70
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26	130	Devika S	100
27	131	Dona Ann Xavier	100
28	134	Megha M	90
29	136	Sreepriya.S	90
30	137	Treesa Thomas	100

Sample Certificate



**Deva Matha College,
Kuravilangad**



CERTIFICATE

This is to certify thatANITA TOMY.....

Class No:.....112....., B.Sc Physics (2019-2022) has successfully
completed the Add-on course on 'INTRODUCTION TO PYTHON' on
20-05-2022 with ...S.....grade



Dr. Saji Augustine
Course coordinator

Principal

Dr. Saritha K Jose
Add-on Course Coordinator
Department of Physics



Principal
Deva Matha College
Kuravilangad - 686 633