

# Python Workshop

## 3 Day Workshop

Duration of the workshop: Full day (9:00 AM - 5:00 PM)

Type of workshop: Remote assisted, hands-on

Coordinators to be arranged by the host institute (recommended coordinator to participant ratio is 1:50)

### Instructions for Coordinators:

1. Please arrange a room with projector, laptops or desktops for all participants, speaker system, high speed Internet, power ports, video and audio transmitting equipment. Please note that all participants will need to access the internet in order to answer the online quizzes.
2. Download all the material related to workshop from here:  
<http://static.fossee.in/python/Basic-Programming-using-Python/>
3. The downloaded videos are to be projected on the screen as per the schedule attached.
4. Our instructors will be in touch with you throughout the sessions via online browser based audio video conferencing tool <https://appear.in/fossee>. We recommend a separate computer with webcam for this purpose.
5. For Q&A sessions, interaction will be via the coordinator, on the aforementioned platform.
6. All participants should create an account at <http://yaksh.fossee.in>, two days prior to the workshop.
7. Quiz details will be shared during the workshop
8. Buy 20 goodies (like small chocolates, etc.) to be distributed to participants during Q&A session or after the quizzes
9. If possible, arrange an alternate power source such as inverter, generator to counter any power failures

**Note:** All video files & slides may be shared with the participants **only** after the workshop

Separate instructions for the participants are also given to you. If the desktops are organized/setup by you, please follow the instructions given for the participants.



**Instructions for Participants** (coordinators should forward this to all participants):

1. All participants should have a working computer to participate in this workshop
2. Download the 'Canopy' Python distribution for your OS and architecture from here: <https://store.enthought.com/downloads> you may download it for either Python 2.x or 3.x, although 3.x is recommended.
3. Install 'Canopy' using following instructions: <http://docs.enthought.com/canopy/>
4. After installation, run the Canopy application once, to complete the setup
5. If you have downloaded Canopy with Python 3.x then install the following packages, pyqt.
  - a. Launch the package manager from canopy and install pyqt.
  - b. Or launch the canopy terminal (in tools menu) and on the terminal type:  
edm install pyqt

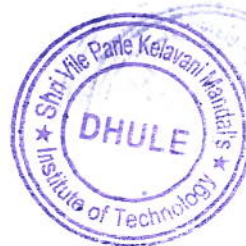
If you have trouble in this step, please get this sorted out on the first day of the workshop.

6. Download the data files required for the workshop from this link:  
<http://static.fossee.in/python/Basic-Programming-using-Python/Day1/circulate.zip>  
<http://static.fossee.in/python/Basic-Programming-using-Python/Day3/circulate.zip>
7. During the workshop, you will follow the video lectures being played on-screen and type hands-on
8. You may ask questions / doubts during the scheduled Q&A sessions
9. Take part in quizzes after each session. The grades you receive on your certificates will be generated based on these quizzes
10. Visit <http://yaksh.fossee.in> and register two day prior to the workshop
  - a. You may create a new user account (or)



Schedule For 3-Day workshop:

Time	Topic (day 1)	Duration
09:00 - 09:10	1: Introduction to Python	10 mins
09:10 - 09:20	2: Preliminaries	10 mins
09:20 - 10:15	3: IPython & Plotting	55 mins
10:15 - 10:25	Q&A	10 mins
10:25 - 10:40	Quiz 1 (Yaksh portal)	15 mins
10:40 - 10:50	BREAK	10 mins
10:50 - 11:30	4: Saving Scripts	40 mins
11:30 - 12:20	5: Plotting, Lists and Numpy Arrays	50 mins
12:20 - 13:20	BREAK / Q&A	60 mins
13:20 - 13:35	Quiz 2 (Yaksh portal)	15 mins
13:35 - 14:25	6: Numpy Arrays	50 mins
14:25 - 14:55	7: More on NumPy Arrays	30 mins
14:55 - 15:05	Q&A	10 mins
15:05 - 15:25	Quiz 3 (Yaksh portal)	20 mins
15:25 - 15:35	BREAK	10 mins
15:35 - 17:00	8: Basic data-types	80 mins



Time	Topic (day 3)	Duration
09:00 - 09:45	Quiz 4 (Yaksh portal)	45 mins
09:45 - 10:40	1: Functions	55 mins
10:40 - 10:50	Break	10 mins
10:50 - 11:40	2: Practice functions (Yaksh portal)	50 mins
11:40 - 11:50	Break	10 mins
11:50 - 12:25	3: Files	35 mins
12:25 - 13:30	Lunch / Q&A	60 mins
13:30 - 13:50	4: Modules	20 mins
13:50 - 14:25	5: Exceptions	35 mins
14:25 - 15:10	6: Practice files and exceptions (Yaksh portal)	45 mins
15:10 - 15:20	Break	10 mins
15:20 - 15:40	Self study / Q&A	20 mins
15:40 - 16:40	Quiz 5 (Yaksh portal)	60 mins

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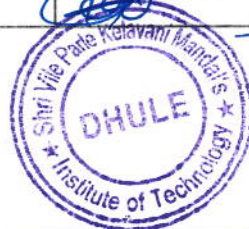


SVKM's Institute of Technology, Dhule  
Department of Computer Engg. / IT Engg.

Basic Programming using Python

Day 1 Attendance (24th July 2018) 2019, 29<sup>th</sup> July

Sr. No.	Roll No	Day1 Name of the Student	Session 1 9 am to 12 pm	Session 2 12:45 pm to 2:45pm	Session 3 3pm to 5pm
1	G1	Kulkarni Manasi Sanjivan	<u>Kulkarni</u>	<u>Manasi</u>	
2	G2	Patil Amruta Anil	<u>AAPatil</u>	<u>AAPatil</u>	<u>AAPatil</u>
3	G3	Patil Punam Mahendra	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
4	G4	Baisane Neha Rohit	<u>Baisane</u>	<u>Baisane</u>	<u>Baisane</u>
5	G5	Jambhale Meghal Yogesh	<u>Jambhale</u>	<u>Jambhale</u>	<u>Jambhale</u>
6	G6	Patil Gayatri Vilas	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
7	G7	Surana Divya Rajesh	<u>Surana</u>	<u>Surana</u>	<u>Surana</u>
8	G8	Mahale Damini Kishor	<u>Dkmahale</u>	<u>Mahale</u>	
9	G9	Kulkarni Janhavi Suhas	<u>Kulkarni</u>	<u>Kulkarni</u>	<u>Kulkarni</u>
10	G10	Amrutkar Sakshi Sunil	<u>Amrutkar</u>	<u>Amrutkar</u>	
11	G11	Yeolekar Neha Sunil	<u>Yeolekar</u>	<u>Yeolekar</u>	<u>Yeolekar</u>
12	G12	Joshi Sakshi Sandip	<u>Joshi</u>	<u>Joshi</u>	
13	G13	Patil Upasana Suresh	<u>UPatil</u>	<u>UPatil</u>	
14	G14	Patil Ketaki Prakash	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
15	G15	Patil Manasi Sanjeev	<u>manasi</u>	<u>manasi</u>	<u>manasi</u>
16	G16	Suryawanshi Bhagyashri Ravindra	<u>Suryawanshi</u>	<u>Suryawanshi</u>	
17	G17	Deore Kalyani Vikas	<u>Deore</u>	<u>Deore</u>	
18	G18	Rajput Janvi Balbir	<u>Janvi</u>	<u>Janvi</u>	<u>Janvi</u>
19	G19	Dhangar Radhika Rajendra			
20	G20	Rathod Sakshi Darbar	<u>Rathod</u>	<u>Rathod</u>	
21	G21	Bagul Sayali Ishwar (Branch Change from Mech. To Comp)	<u>Sayali</u>	<u>Sayali</u>	
22	B1	Kulkarni Ritesh Dharmendra	<u>Ritesh</u>	<u>Ritesh</u>	<u>Ritesh</u>
23	B2	Lulla Sachin Anil	<u>Sachin</u>	<u>Sachin</u>	<u>Sachin</u>
24	B3	Patil Jaydatta Bhalchandra	<u>Patil</u>	<u>Patil</u>	<u>Patil</u>
25	B4	Sharma Atariksha Akhilesh	<del>Sharma</del>	<del>Sharma</del>	<del>Sharma</del>
26	B5	Kochar Kushal Rajesh	<u>Kochar</u>	<u>Kochar</u>	<u>Kochar</u>





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Day 2 Attendance (25<sup>th</sup> July 2019) 30<sup>th</sup> July

Sr. No.	Roll No	Day2 Name of the Student	Session 1 9 am to 12 pm	Session 2 12:45 pm to 2:45pm	Session 3 3pm to 5pm
1	G1	Kulkarni Manasi Sanjivan	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	G2	Patil Amruta Anil	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	G3	Patil Punam Mahendra	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	G4	Baisane Neha Rohit	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5	G5	Jambhale Meghal Yogesh	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	G6	Patil Gayatri Vilas	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	G7	Surana Divya Rajesh	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	G8	Mahale Damini Kishor	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	G9	Kulkarni Janhavi Suhas	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10	G10	Amrutkar Sakshi Sunil	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11	G11	Yeolekar Neha Sunil	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12	G12	Joshi Sakshi Sandip	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13	G13	Patil Upasana Suresh	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14	G14	Patil Ketaki Prakash	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15	G15	Patil Manasi Sanjeev	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
16	G16	Suryawanshi Bhagyashri Ravindra	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
17	G17	Deore Kalyani Vikas,	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
18	G18	Rajput Janvi Balbir	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
19	G19	Dhangar Radhika Rajendra			
20	G20	Rathod Sakshi Darbar			
21	G21	Bagul Sayali Ishwar (Branch Change from Mech. To Comp)	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
22	B1	Kulkarni Ritesh Dharmendra	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
23	B2	Lulla Sachin Anil	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
24	B3	Patil Jaydatta Bhalchandra	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
25	B4	Sharma Atariksha Akhilesh	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
26	B5	Kochar Kushal Rajesh	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>





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Basic Programming using Python

Day 3 Attendance (30<sup>th</sup> July 2019) 30<sup>th</sup> July

Sr. No.	Roll No	Day3 Name of the Student	Session 1 9 am to 12 pm	Session 2 12:45 pm to 2:45pm	Session 3 3pm to 5pm
1	G1	Kulkarni Manasi Sanjivan			
2	G2	Patil Amruta Anil			
3	G3	Patil Punam Mahendra			
4	G4	Baisane Neha Rohit			
5	G5	Jambhale Meghal Yogesh			
6	G6	Patil Gayatri Vilas			
7	G7	Surana Divya Rajesh			
8	G8	Mahale Damini Kishor			
9	G9	Kulkarni Janhavi Suhas			
10	G10	Amrutkar Sakshi Sunil			
11	G11	Yeolekar Neha Sunil			
12	G12	Joshi Sakshi Sandip			
13	G13	Patil Upasana Suresh			
14	G14	Patil Ketaki Prakash			
15	G15	Patil Manasi Sanjeev			
16	G16	Suryawanshi Bhagyashri Ravindra			
17	G17	Deore Kalyani Vikas			
18	G18	Rajput Janvi Balbir			
19	G19	Dhangar Radhika Rajendra			
20	G20	Rathod Sakshi Darbar			
21	G21	Bagul Sayali Ishwar (Branch Change from Mech. To Comp)			
22	B1	Kulkarni Ritesh Dharmendra			
23	B2	Lulla Sachin Anil			
24	B3	Patil Jaydatta Bhalchandra			
25	B4	Sharma Atariksa Akhilesh			
26	B5	Kochar Kushal Rajesh			

