

**B. K. BIRLA COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS),
KALYAN**

CERTIFICATE COURSE



2022

BK BIRLA COLLEGE
(AUTONOMOUS) KALYAN
DEPARTMENT OF PHYSICS

Announces Certificate Course

Python for beginners

First 30 hours of python!

Course fee ₹500/-

Google form:

https://docs.google.com/forms/d/e/1FAIpQLSesX1Uh4fXYSahPmpViDJC4cgwYVz-ckAK9yzmX2d6zEcVzw/viewform?usp=pp_url



01



Syllabus

BEGINNER PYTHON



Variables in Python
String Manipulation
Input and Print Functions
Variable Naming Rules
Mathematical Operations in Python
DataTypes
Converting types
Conditionals IF/ELIF/ELSE
Logical Operators
Randomisation
Error Handling

Functions
For Loops
Code blocks and Indentation
While Loops
Flowchart Programming
Positional and Keyword
Arguments
Python Dictionaries and Lists
Nested Collections
Returning Functions
Return vs. Print
Doc Strings vs. Comments
Scope and Local/Global Variables
Debugging Techniques

Sheet1

Score	First name	Last name
1 / 15	Rutik	Mhase
9 / 15	Rupesh	Bhor
7 / 15	Hassan	Ansari
4 / 15	Kirti	jadhav
3 / 15	Samidha	Thakare
6 / 15	Rohit	Jha
8 / 15	Mrudula	Mundhe
6 / 15	Tulsi	Singh
6 / 15	Vaishnavi	Mishra
4 / 15	Rashmi	Jaiswar
4 / 15	Vaishnavi	Kurkure
6 / 15	Sarah Merin	Daniel
6 / 15	Nissi Grace	Vayyeti
6 / 15	Rutika	Jadhav
6 / 15	Snehal	Pawar
5 / 15	Shalini	Khichi
6 / 15	Aditya	Thakur
9 / 15	Chaitanya	Thakur
6 / 15	Vimal	Kansotia
5 / 15	Shweta	Kale
3 / 15	Chaitali	Dhaije
1 / 15	Piyush	Mokal

No of students enrolled in course =22

No of students given certificates = 18

1. Summary

Meeting title
Python Lecture 1
23
Attended participants
8/1/22, 3:01:33 PM
8/1/22, 5:35:07 PM
End time
Meeting duration
2h 33m 34s
Average attendance time
12m 12s

2. Participants

Name	First join	Last leave	In-meeting duration	Email	Participant ID (UPN)	Role
samidha thakare	8/25/22, 3:01:54	8/25/22, 3:35:07	33m 12s	thasamidha@gm	thasamidha_gmail.com#EXT#@birlacollege.onmicrosoft.com	Presenter
Madhavi_Thakurdesai	8/25/22, 3:02:08	8/25/22, 3:05:07	2m 59s	madhavi.thakurdesai@bkbirlacollegekalyan.com		Organizer
Chaitali Dhajje	8/25/22, 3:03:21	8/25/22, 3:03:47	26s	chaitalidhajje00@	chaitalidhajje00_gmail.com#EXT#@birlacollege.onmicrosoft.com	Presenter

3. In-Meeting activities

Name	Join time	Leave time	Duration	Email	Role
samidha thakare	8/25/22, 3:01:54	8/25/22, 3:35:07	33m 12s	thasamidha@gm	Presenter
Madhavi_Thakurdesai	8/25/22, 3:02:08	8/25/22, 3:05:07	2m 59s	madhavi.thakurdesai@bkbirlacollegekalyan.com	Organizer
Chaitali Dhajje	8/25/22, 3:03:21	8/25/22, 3:03:47	26s	chaitalidhajje00@	Presenter

1. Summary

Meeting title	Python Lecture 3
Attended participants	12
Start time	8/10/22, 2:27:40 PM
End time	8/10/22, 4:27:49 PM
Meeting duration	2 h

2. Participants

Name	First join	Last leave	In-meeting duration	Email	Participant ID (UI Role)
Vaishnavi Kurkure	9/15/22, 3:27:44	9/15/22, 3:27:49	5s	s_44930@bkbirl: s_44930@bkbirl: Presenter	s_27391@bkbirl: Presenter
S.Y.B.Sc.SnehalPawar	8/5/2022, 2:39:01	8/5/2022, 3:03:01	24m	s_27391@bkbirl: Presenter	s_27391@bkbirl: Presenter
S.Y.B.Sc.SnehalPawar	8/5/2022, 3:07:31	8/5/2022, 3:11:41	4m 16s	s_27391@bkbirl: Presenter	chaitalidhaije00_gmail.com#EXT#@birlacollege.onmicrosoft.com
Chaitali Dhajje	8/5/2022, 2:39:31	8/5/2022, 3:12:41	33m 18s	chaitalidhaije00_gmail.com#EXT#@birlacollege.onmicrosoft.com	s_27460@bkbirl: Presenter
S.Y.B.Sc.RutikaJadhav	8/5/2022, 2:51:01	8/5/2022, 3:12:11	21m 15s	s_27460@bkbirl: Presenter	s_41438@bkbirl: Presenter
Shalini Khichi	8/5/2022, 2:58:41	8/5/2022, 3:03:31	4m 55s	s_41438@bkbirl: Presenter	s_41438@bkbirl: Presenter
Shalini Khichi	8/5/2022, 3:06:31	8/5/2022, 3:08:31	2m 57s	s_41438@bkbirl: Presenter	s_41438@bkbirl: Presenter
Shalini Khichi	8/5/2022, 3:11:41	8/5/2022, 3:12:01	19s	s_41438@bkbirl: Presenter	s_41438@bkbirl: Presenter
Shalini Khichi	8/5/2022, 3:14:51	8/5/2022, 3:14:51	5s	s_41438@bkbirl: Presenter	s_44193@bkbirl: Presenter
Nissi Vayyetti	8/5/2022, 3:01:51	8/5/2022, 3:03:01	1m 11s	s_44193@bkbirl: Presenter	s_44193@bkbirl: Presenter
Nissi Vayyetti	8/5/2022, 3:07:41	8/5/2022, 3:08:41	1m 1s	s_44193@bkbirl: Presenter	madhavi.thakurdesai@bkbirlacollegekalyan.com
Madhavi_Thakurdesai	8/5/2022, 3:02:21	8/5/2022, 3:04:01	1m 35s	madhavi.thakurdesai@bkbirlacollegekalyan.com	madhavi.thakurdesai@bkbirlacollegekalyan.com
Madhavi_Thakurdesai	8/5/2022, 3:11:21	8/5/2022, 3:12:51	1m 28s	madhavi.thakurdesai@bkbirlacollegekalyan.com	s_49244@bkbirl: Presenter
Vaishnavi Mishra	8/5/2022, 3:05:11	8/5/2022, 3:12:11	6m 58s	s_49244@bkbirl: Presenter	s_45037@bkbirl: Presenter
Vimal Kansotia	8/5/2022, 3:05:31	8/5/2022, 3:12:41	7m 2s	s_45037@bkbirl: Presenter	s_44720@bkbirl: Presenter
Tulsi Singh	8/5/2022, 3:05:41	8/5/2022, 3:12:11	6m 29s	s_44720@bkbirl: Presenter	s_44720@bkbirl: Presenter
Tulsi Singh	8/5/2022, 3:14:41	8/5/2022, 3:15:11	30s	s_44720@bkbirl: Presenter	s_45288@bkbirl: Presenter
Shweta Kale	8/5/2022, 3:09:11	8/5/2022, 3:12:21	3m 4s	s_45288@bkbirl: Presenter	s_45288@bkbirl: Presenter
Shweta Kale	8/5/2022, 3:14:11	8/5/2022, 3:14:41	28s	s_45288@bkbirl: Presenter	thasamidha_gmail.com#EXT#@birlacollege.onmicrosoft.com
samidha thakare	8/5/2022, 3:10:21	8/5/2022, 3:32:51	22m 27s	thasamidha_gmail.com#EXT#@birlacollege.onmicrosoft.com	

Total Number of Participants	13
Meeting Title	Lecture 2
Meeting Start Time	8/5/2022, 2:39:06 PM
Meeting End Time	8/5/2022, 5:32:57 PM
Meeting Id	56f3d745-b1b8-4bda-a6e0-1300e146d098
Duration	3 h 3 m
Full Name	Join Time Leave Time Duration Email Role Participant ID (UPN)
S.Y.B.Sc.SnehalPawar	8/5/2022, 8/5/2022, 24m s_27391@ Presenter s_27391@bkbirlacollegekalyan.com
S.Y.B.Sc.SnehalPawar	8/5/2022, 8/5/2022, 4m 16s s_27391@ Presenter s_27391@bkbirlacollegekalyan.com
Chaitali Dhajje	8/5/2022, 8/5/2022, 33m 18s chaitalidh: Presenter chaitalidhaje00_gmail.com#EXT#@birlacollege.onmicrosoft.com
S.Y.B.Sc.RutikalJadhav	8/5/2022, 8/5/2022, 21m 15s s_27460@ Presenter s_27460@bkbirlacollegekalyan.com
Shalini Khichi	8/5/2022, 8/5/2022, 4m 55s s_41438@ Presenter s_41438@bkbirlacollegekalyan.com
Shalini Khichi	8/5/2022, 8/5/2022, 1m 57s s_41438@ Presenter s_41438@bkbirlacollegekalyan.com
Shalini Khichi	8/5/2022, 8/5/2022, 19s s_41438@ Presenter s_41438@bkbirlacollegekalyan.com
Nissi Vayyetti	8/5/2022, 8/5/2022, 5s s_41438@ Presenter s_41438@bkbirlacollegekalyan.com
Nissi Vayyetti	8/5/2022, 8/5/2022, 1m 11s s_44193@ Presenter s_44193@bkbirlacollegekalyan.com
Madhavi_Thakurdesai	8/5/2022, 8/5/2022, 1m 1s s_44193@ Presenter s_44193@bkbirlacollegekalyan.com
Madhavi_Thakurdesai	8/5/2022, 8/5/2022, 1m 35s madhavi.t Organizer madhavi.thakurdesai@bkbirlacollegekalyan.com
Vaishnavi Mishra	8/5/2022, 8/5/2022, 1m 28s madhavi.t Organizer madhavi.thakurdesai@bkbirlacollegekalyan.com
Vimal Kansotia	8/5/2022, 8/5/2022, 6m 58s s_49244@ Presenter s_49244@bkbirlacollegekalyan.com
Tulsi Singh	8/5/2022, 8/5/2022, 7m 2s s_45037@ Presenter s_45037@bkbirlacollegekalyan.com
Tulsi Singh	8/5/2022, 8/5/2022, 6m 29s s_44720@ Presenter s_44720@bkbirlacollegekalyan.com
Shweta Kale	8/5/2022, 8/5/2022, 30s s_44720@ Presenter s_44720@bkbirlacollegekalyan.com
Shweta Kale	8/5/2022, 8/5/2022, 3m 4s s_45288@ Presenter s_45288@bkbirlacollegekalyan.com
samidha thakare	8/5/2022, 8/5/2022, 28s s_45288@ Presenter s_45288@bkbirlacollegekalyan.com
	8/5/2022, 8/5/2022, 22m 27s thasamidh Presenter thasamidha_gmail.com#EXT#@birlacollege.onmicrosoft.com

B

B. K. BIRLA COLLEGE (AUTONOMOUS), KALYAN.
DEPARTMENT OF PHYSICS
PYTHON CERTIFICATE COURSE 2022-23
Office Receipt

1. Name of the Student :- Samidha Vasudeo Thakare
2. Class & Roll No. :- M.Sc.
3. Phone No. :- 8169125448
4. Mail Id. :- thasamidha@gmail.com
5. Fee Received :- 500/- (Five Hundred Only)

CSIA
Student Signature

B.K. Birla College, Kalyan

Department of Physics

Certificate Course in Python

Module 1:

Introduction to Python, What is Python?

Installing Python, Writing your first Python program, Variables, operators, and data types

Module 2:

Control Flow, Conditional statements (if, elif, else), Loops (for, while)

Module 3:

Functions and Modules, Defining and calling functions, Function arguments and return values, Modules and importing

Module 4:

Exception Handling, What are exceptions? Try, except, and finally blocks, Raising exceptions

Module 5:

Object-Oriented Programming, Classes and objects, Methods and attributes. Inheritance and polymorphism

References :

Required Textbook

1. "Python Crash Course" by Eric Matthes
2. "Python for Everybody" by Charles Severance
3. "Learn Python the Hard Way" by Zed Shaw



B.K BIRLA COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS), KALYAN

CERTIFICATE OF COMPELITON

THIS CERTIFICATE IS PRESENTED
TO

Rupesh Bhor

For completing Certificate Course on 'Basics of Python ', organized by Department of
Physics for the Year 2022-23

(Head of Department)

Course Codinator

(Principal)



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Hassan Ansari

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Kirti Jadhav

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Mrudula Mundhe

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Vaishnavi Mishra

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Vaishnavi Kurkure

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Sarah Merin Daniel

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Nissi Grace Vayyeti

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Shalini Khichi

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Aditya Thakur

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Chaitanya Thakur

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Vimal Kansotia

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