Website: www.kharagpurcollege.ac.in



# KHARAGPUR COLLEGE KHARAGPUR

**ESTD.: 1949** 

P.O.– Inda, Kharagpur, Municipality– Kharagpur, Sub-Division– Kharagpur, P.S.– Kharagpur (T), Dist.– Paschim Medinipur, West Bengal, PIN–721305.

Notice Date: 08.04.2022

#### Kharagpur College Kharagpur Notice for Certificate Course on Python Programming

This is to inform all the students of the college that a certificate course on **Python Programming** will be organized by Department of Computer Science & BCA of the college tentatively on and from 11<sup>th</sup> May 2022. The course duration is 10 days (30 hours). Last date of registration for the course is 09<sup>th</sup> May, 2022. There is no Registration fee. Certificate of the course will be issued by Kharagpur College.

Interested students are advised to contact for registration and any other queries with the following teachers.

1. Prof. Alok Haldar (Department of Computer Science & BCA)

Principal Kharagpur College

*Principal* Kharagpur Colle**ge** 

#### Kharagpur College

# Department of Computer Science & BCA Date of Commencement: 11.05.2022 Class schedule for the Certificate Course on "Python Programming"

Sl.	Topic	Resource Person	Theory/	Duration	Date and
No.	_		Practical	(Hours)	time
1	Introduction	Prof. Alok Haldar	Both	3	11.05.2022
2	Introduction to Python	Prof. Anudyuti Ghorai	Both	3	12.05.2022
3	Elements of Python	Prof. Alok Haldar	Both	3	14.05.2022
4	Elements of Python	Prof. Anudyuti Ghorai	Both	3	17.05.2022
5	Conditional Statement	Prof. Anudyuti Ghorai	Both	3	19.05.2022
6	Control Statement	Prof. Alok Haldar	Both	3	21.05.2022
7	Sequential data types	Prof. Biswajit Laya	Both	3	01.06.2022
8	Functions and Modules	Prof. Biswajit Laya	Both	3	02.06.2022
9	File Handling	Prof. Subhadip Mukherjee	Both	3	06.06.2022
10	Data Visualization	Prof. Subhadip Mukherjee	Both	3	07.06.2022
11	Evaluation	Prof. Alok Haldar	Practical	1/2	14.06.2022
		Prof. Anudyuti Ghorai			

Afolder .06/05/22 Alok Haldar

Alok Haldar Course Coordinator and Head,
Department of Computer Science & BCA

Principal Kharagpur College

Principal Kharagpur College



#### Kharagpur College

# Dept. Computer Science & BCA Certificate course on Python Programming

#### Course Overview

This course covers Basic to Advanced topics of Python language.

Entry Requirement : (10 + 2) or equivalent qualified

Course Duration : 10 days (30 hrs.)

**Mode of Training**: Face to face Instructor led Training

#### **Course Content**

Course Content	
Module1:Introduction	Module6:Control Statement
<ul><li>Problem solving, Algorithm, flowchart</li><li>Types of language, translator</li></ul>	While loop     For loop
	For loop
Module 2: Introduction to Python	Module7:Sequential data types
Features of python     Application	• List
<ul><li>Application</li><li>Python installation</li></ul>	Tuples
Python Installation     Python Shell, Python IDLE	Strings
Basic programming demo	Bytes and bytes array
busic programming demo	Set     dictionary
	• dictionary
Module3:Elements of Python	Module8:functions and modules
<ul> <li>Python variables, Identifiers</li> </ul>	Function
Constants, literal, token, keyword	Function declaration
Data types	Function definition
<ul> <li>Operators: arithmetic, relational, logical</li> </ul>	Function call
	Function parameters
	Return statement
	Types of function parameters
Module4:Elements of Python	Module9:File Handling
Operators: bitwise, Identity, membership	Introduction
Operators Precedence and associativity	File path
Expression in Python	Types of files
	<ul> <li>Opening and closing files</li> </ul>
	File positions
	Renaming and deleting files
	g was assuming made
Module5: Conditional statement	Module10:Data visualization
• If	Matplotlib
If - else	Scatter plot
If -elif -else	Line chart
Nested if	Bar chart
	Histogram

Aladar.

Alok Haldar Course Coordinator and Head, Department of Computer Science & BCA



6 03 04 22 Principal

Principal Kharagpur College

Principal Kharagpur College

# Kharagpur College Dept. Computer Science & BCA

# Certificate course on Python Programming Date 14/06/2022

	Time : 30 minutes Full Marks-15	
Answe	er all questions	1X 15 =15
1.	The splitlines(), splits lines in strings on which characters?	
	a. Whitespace	
	b. Comma	
	c. Newline	
	d. Colon	
2.	Which slice operation will reverse the list?	
	a. Lists [ -1:: ]	
	b. Numbers [::-1]	
	c. Numbers [:-1:]	
_	d. List [9:8:1]	
3.	Which operation is used for list cloning?	
	a. Assignment	
	b. Slice	
	c. Comparison	
	d. Repetition	
4.	Which data structure allows you to return multiple values from a function	?
	a. List	
	b. Tuple	
	c. Dictionary	
_	d. Set	
5.	NumPy arrays can be created from?	
	a. Python list	
	b. Python tuples	
	c. Individual integers	
6	d. All of these	
О.	Which function will be used to convert a tuple into a NumPy array?	
	a. np.array()	
	b. np.arange()	
	c. np.linspace()	
7	d. np.flatten() Which function is used to save the plot?	
7.	•	
	<ul><li>a. Saveplot()</li><li>b. savegraph()</li></ul>	
	c. savegraph()	
	d. savedraw()	
8	Default value of histtype in the hist() function is	
0.	a. Bar	
	b. Barstacked	
	c. Step	
	c. btcp	

d. Stepfilled()

9.	Which argument of the sort function applies changes in the data frame passed to the function?
	a. Kind
	b. Na_position
	c. Inplace
10	d. Axis
10.	Arbitrary arguments have which symbol in the function definition before the
	parameter name?
	a. &
	b. #
	c. % d *
11	u.
11	Modules are files saved with extension.
	apy b. Mod
	c. Mdl
	d. Imp
12	What is the output of this code?
12	import random as r
	print(random.randomint(1, 10))
	F(((
	a. An error occurs
	b. 1
	c. 10
	d. any random number
13.	This imports * statement import all names in the module except those beginning
	with
	a. %
	b. \$
	c
11	d. !
14.	If List = $[1,2,3,4,5,6,7,8,9,10]$ then print List [8:4:-1] will give
	a. [2,3,4,5] b. [9,8,7,6]
	c. [6,7,8,9] d. [5,4,3,2]
15.	Which function returns a tuple of two values?
	a. divmod()
	b. input()
	c. eval()
	d. tuple()
	• •

# Certificate course on Python Programming Award List

#### Date of Examination: 14.06.2022 Total Marks:15

SL. NO	ROLLNO	STUDENT NAME	MARKS
1	002	ABHISHEK SHARMA	14
2	003	ABIR MAITY	11
3	004	AJIT SAREN	13
4	005	ANIRBAN DAS	13
5	006	ANOMITRA KAR	12
6	007	ANUVAB SAHU	12
7	009	AVIJIT SUI	12
8	010	AYAN BISWAS	14
9	011	AYON MONDAL	12
10	012	B SRUTHI	ABSENT
11	014	BHIM HANSDA	12
12	017	DEEPAK SINGH	11
13	018	DIPAYAN CHOWDHURY	14
14	019	HIMANSHU RAY	10
15	020	JEET GOPE	11
16	021	JOY DUTTA	13
17	022	KARAN NATH MAHAPATRA	12
18	023	KOUSHIK SINGHA MAHAPATRA	111
19	024	KUMARJIT MONGAL	14
20	025	KUNAL MONDAL	12
21	026	MANOJIT RAUL	11
22	027	PARTHIB HALDAR	13
23	029	PUJA DAS	12.
24	030	PUSKAR GHOSH	11
25	031	RAHUL KUIRY	13
26	032	RAHUL SINGHA	14
27	033	RAJA DAS	11
28	034	SANDIP KUMAR KUNDU	10
29	035	SAYANDIP BOXI	13

SL. NO	ROLLNO	STUDENT NAME	MARKS
30	036	SHREYA RANI DE	14
31	037	SHREYA UPADHYAY	12
32	038	SHREYASI SARKAR	11
33	039	SK AFTAB	10
34	040	SK RAKIUR RAHAMAN	13
35	041	SOMNATH BANERJEE	14
36	044	SUBHASH CHANDRA ADAK	14
37	046	SUDIPTA KOTAL	12
38	047	SUJIT HEMBRAM	14
39	048	SUMAN MANDAL	12
40	049	SUNIL BISUI	13
41	050	SUPRIYO KUNDU	14
42	052	ZIAN NAWAZ	12

-Afaldar. 14/06/22 Alok Haldar,

Assistant Professor & Head, Course Coordinator, Department of Computer Science & BCA

#### Department of Computer Science & BCA

#### Kharagpur College

#### Course Duration-11.05.2022 to 14.06.2022 (10 days, 30 hours)

**Attendance Sheet** 

Date- 06 06 22

Name of the Teacher: SUBHADIP MUKHERTEE

SL. NO	ROLLNO	STUDENT NAME	SIGNATURE
1	002	ABHISHEK SHARMA	Abhishek sharoma
2	003	ABIR MAITY	Abir Marittel
3	004	AJIT SAREN	Ajit Saven
4	005	ANIRBAN DAS	Anirban Daso
5	006	ANOMITRA KAR	Arromitra Kar
6	007	ANUVAB SAHU	Armas Sahn
7	009	AVIJIT SUI	AVITIT SUI
8	010	AYAN BISWAS	Ayan Biswas
9	011	AYON MONDAL	Ayon Mondal
10	012	B SRUTHI	ABSENT
11	014	BHIM HANSDA	Bhim Hansle
12	017	DEEPAK SINGH	Dellak Cingh
13	018	DIPAYAN CHOWDHURY	Dipayan Chordhury.
14	019	HIMANSHU RAY	Hirmonshur Ray
15	020	JEET GOPE	Jeet (note
16	021	JOY DUTTA	Joy Dutta.
17	022	KARAN NATH MAHAPATRA	Karan natu mahepatra
18	023	KOUSHIK SINGHA MAHAPATRA	Krushik Smp
19	024	KUMARJIT MONGAL	Kimonoit Monoge
20	025	KUNAL MONDAL	Kunal Mondal
21	026	MANOJIT RAUL	Mamosit Ram
22	027	PARTHIB HALDAR	Partuib Haldun
23	029	PUJA DAS	Duja Day
24	030	PUSKAR GHOSH	Riskar Ghosh
25	031	RAHUL KUIRY	Rabel Kviry
26	032	RAHUL SINGHA	Rohal Singha
27	033	RAJA DAS	Raja Das
28	034	SANDIP KUMAR KUNDU	Sandip Kumar Kund 4

29	035	SAYANDIP BOXI	Sayantip Boxi
30	036	SHREYA RANI DE	Shreya De
31	037	SHREYA UPADHYAY	Shereya Upadhyay.
32	038	SHREYASI SARKAR	Sweyasi Sarkar
33	039	SK AFTAB	Sk. Aftab
34	040	SK RAKIUR RAHAMAN	SK Ratiur Rdonian
35	041	SOMNATH BANERJEE	Somnath Barreryer
36	044	SUBHASH CHANDRA ADAK	Subhash Chandra Adak
37	046	SUDIPTA KOTAL	Sudipha (Kota)
38	047	SUJIT HEMBRAM	Sujet Hembram Sumon monded
39	048	SUMAN MANDAL	
40	049	SUNIL BISUI	Sumu Biswi
41	050	SUPRIYO KUNDU	Supriyo Known.
42	052	ZIAN NAWAZ	Zian Manaz

Signature of the Teacher

#### Certificate course on Python Programming

#### Organized by

#### Department of Computer Science & BCA

#### Kharagpur College

Course Duration-11.05.2022 to 14.06.2022 (10 days, 30 hours)

**Attendance Sheet** 

Date- 07/06/22

Name of the Teacher: SUBHADIP MUKHERJEE

SL. NO	ROLLNO	STUDENT NAME	SIGNATURE
1	002	ABHISHEK SHARMA	Abhishek sharma
2	003	ABIR MAITY	Abirmity
3	004	AJIT SAREN	AjitSaron
4	005	ANIRBAN DAS	Anisban Das
5	006	ANOMITRA KAR	Anomites kar
6	007	ANUVAB SAHU	Anuvab Sahu
7	009	AVIJIT SUI	Avisit Sui
8	010	AYAN BISWAS	Ayon Biswa)
9	011	AYON MONDAL	Syon Mondal
10	012	B SRUTHI	ABSENT
11	014	BHIM HANSDA	Bhino Hansda
12	017	DEEPAK SINGH	Deerak Singh
13	018	DIPAYAN CHOWDHURY	Disayan Chowdhong
14	019	HIMANSHU RAY	Himarshu Ray
15	020	JEET GOPE	Jeethore
16	021	JOY DUTTA	Joy Duta.
17	022	KARAN NATH MAHAPATRA	Kovan neth metrepoter
18	023	KOUSHIK SINGHA MAHAPATRA	Koshirk S.M.p
19	024	KUMARJIT MONGAL	Kimarott Monoal
20	025	KUNAL MONDAL	Kunal Mondal
21	026	MANOJIT RAUL	Momosit Raul.
22	027	PARTHIB HALDAR	Parthib Hulder.
23	029	PUJA DAS	Luja Day
24	030	PUSKAR GHOSH	Ruskar Ghosh
25	031	RAHUL KUIRY	Rabul Kviny
26	032	RAHUL SINGHA	Rahul Sinaha.
27	033	RAJA DAS	Raja Das
28	034	SANDIP KUMAR KUNDU	Sandip Kumor Kundu

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29	035	SAYANDIP BOXI	Sayandip Boxi
30	036	SHREYA RANI DE	Shoreya De
31	037	SHREYA UPADHYAY	Shoroya Upadhyay.
32	038	SHREYASI SARKAR	Surceyasi Sarkar
33	039	SK AFTAB	Sk, Aftab
34	040	SK RAKIUR RAHAMAN	3k Robin Robanan
35	041	SOMNATH BANERJEE	Somnath Banerye
36	044	SUBHASH CHANDRA ADAK	Subhash Chandra Adak
37	046	SUDIPTA KOTAL	SudiPha Kotal
38	047	SUJIT HEMBRAM	Sujit Hombram
39	048	SUMAN MANDAL	Sumon Mondal
40	049	SUNIL BISUI	Sunil Disul
41	050	SUPRIYO KUNDU	Supriyo Knorch.
42	052	ZIAN NAWAZ	Zionnawaz

Signature of the Teacher

#### Department of Computer Science & BCA

#### Kharagpur College

### Course Duration-11.05.2022 to 14.06.2022 (10 days, 30 hours)

**Attendance Sheet** 

Date- 02/06/22

Name of the Teacher: BISWAJIT LAYA

Time of			CICNIATURE
SL. NO	ROLLNO	STUDENT NAME	SIGNATURE
1	002	ABHISHEK SHARMA	Abhighde sharma
2	003	ABIR MAITY	Abir muits
3	004	AJIT SAREN	Ajitsomen
4	005	ANIRBAN DAS	Anirban Das
5	006	ANOMITRA KAR	Anomitra har
6	007	ANUVAB SAHU	Anurab Salu
7	009	AVIJIT SUI	Avisit Svi
8	010	AYAN BISWAS	Axan Bismas
9	011	AYON MONDAL	Ayon Mondal
10	012	B SRUTHI	ABSENT
11	014	BHIM HANSDA	Bhim Hamsda
12	017	DEEPAK SINGH	Dee Pak Singh
13	018	DIPAYAN CHOWDHURY	Dipayan Chondhury
14	019	HIMANSHU RAY	Himanoh for
15	020	JEET GOPE	Jest Crope
16	021	JOY DUTTA	Joy Dutta.
17	022	KARAN NATH MAHAPATRA	Karah Marty mehipatia
18	023	KOUSHIK SINGHA MAHAPATRA	Krishik S.Mp
19	024	KUMARJIT MONGAL	Kmonoji Mondar
20	025	KUNAL MONDAL	Kunal Mondal
21	026	MANOJIT RAUL	Mamosit Raul.
22	027	PARTHIB HALDAR	Parthib Haldar
23	029	PUJA DAS	Pinja Dal
24	030	PUSKAR GHOSH	Rokar Grhosh
25	031	RAHUL KUIRY	Rochell King
26	032	RAHUL SINGHA	Rahul Singha.
27	033	RAJA DAS	Raja Daj
28	034	SANDIP KUMAR KUNDU	Sandip Kumor Kundu

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29	035	SAYANDIP BOXI	Sayandip Boxi
30	036	SHREYA RANI DE	Shraya De
31	037	SHREYA UPADHYAY	Shoreyad padhyay.
32	038	SHREYASI SARKAR	Shayasi Sarkar
33	039	SK AFTAB	Sk. Aftab
34	040	SK RAKIUR RAHAMAN	S.R. Rahaman
35	041	SOMNATH BANERJEE	Somrath Barreye
36	044	SUBHASH CHANDRA ADAK	Subhash Chandre Adak
37	046	SUDIPTA KOTAL	Sudipta kotal
38	047	SUJIT HEMBRAM	Sujit Hambran
39	048	SUMAN MANDAL	Sumon Mondal
40	049	SUNIL BISUI	Sumil Pisui
41	050	SUPRIYO KUNDU	Supriyo Kundu.
42	052	ZIAN NAWAZ	Ziam Navaz
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Signature of the Teacher

#### Department of Computer Science & BCA

#### Kharagpur College

Course Duration-11.05.2022 to 14.06.2022 (10 days, 30 hours)

Date- 01/06/22

Attendance Sheet Biswajit Laya Name of the Teacher:

SL. NO	ROLLNO	STUDENT NAME	SIGNATURE
1	002	ABHISHEK SHARMA	Alphishak sharona
2	003	ABIR MAITY	Abir moity
3	004	AJIT SAREN	Ajit Sarren
4	005	ANIRBAN DAS	Anirban Das
5	006	ANOMITRA KAR	Anomitra har
6	007	ANUVAB SAHU	Anuvab Sahu
7	009	AVIJIT SUI	Avisit Sui
8	010	AYAN BISWAS	Ayan Biswa>
9	011	AYON MONDAL	Syon Mondal
10	012	B SRUTHI	ABSENT
11	014	BHIM HANSDA	Bhim Hornsds
12	017	DEEPAK SINGH	Deepak Congh
13	018	DIPAYAN CHOWDHURY	Disayan Chordhury
14	019	HIMANSHU RAY	Himanshy Ray
15	020	JEET GOPE	Teet hope
16	021	JOY DUTTA	Joy Dutta.
17	022	KARAN NATH MAHAPATRA	Karan nath mahapentra.
18	023	KOUSHIK SINGHA MAHAPATRA	Koushih SM patron
19	024	KUMARJIT MONGAL	Kimons TI Mondal
20	025	KUNAL MONDAL	Kunal Mondal
21	026	MANOJIT RAUL	Momosit Raul.
22	027	PARTHIB HALDAR	Parthib Haldar
23	029	PUJA DAS	Puja Das
24	030	PUSKAR GHOSH	Ruskar Crhosh
25	031	RAHUL KUIRY	Rabul pairy
26	032	RAHUL SINGHA	Robol Singha
27	033	RAJA DAS	Raja Das
28	034	SANDIP KUMAR KUNDU	Sandip Kumas Kundu

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29	035	SAYANDIP BOXI	Sayandip Boxi
30	036	SHREYA RANI DE	Shreye De
31	037	SHREYA UPADHYAY	Shoreya Upadhyay.
32	038	SHREYASI SARKAR	Shrayasi Sarkar
33	039	SK AFTAB	SK. Afrab
34	040	SK RAKIUR RAHAMAN	Sk Rakiur Polomon Somnath Barreyer
35	041	SOMNATH BANERJEE	Somnath Barnerger
36	044	SUBHASH CHANDRA ADAK	Subhaish Chandra Adak
37	046	SUDIPTA KOTAL	Sudipped (Kotal
38	047	SUJIT HEMBRAM	Sujit Hembram
39	048	SUMAN MANDAL	Suman Mandal
40	049	SUNIL BISUI	Sumi Bisui
41	050	SUPRIYO KUNDU	Supriyo Kundu.
42	052	ZIAN NAWAZ	ziamNawa-2

Signature of the Teacher

#### Department of Computer Science & BCA

#### Kharagpur College

#### Course Duration-11.05.2022 to 14.06.2022 (10 days, 30 hours)

**Attendance Sheet** 

Date- 21/05/22

Name of the Teacher: ALOK HALDAR

SL. NO	ROLLNO	STUDENT NAME	SIGNATURE
1	002	ABHISHEK SHARMA	Abhished shama
2	003	ABIR MAITY	Abir notits
3	004	AJIT SAREN	AjitSaren
4	005	ANIRBAN DAS	Anirban Das
5	006	ANOMITRA KAR	Arromitra kor
6	007	ANUVAB SAHU	Anwab Sahu
7	009	AVIJIT SUI	Avisit Sul
8	010	AYAN BISWAS	Ayan Bisway
9	011	AYON MONDAL	Ayon Mondal
10	012	B SRUTHI	ABSENT
11	014	BHIM HANSDA	Bhins Hamsdy
12	017	DEEPAK SINGH	Deetak Singh
13	018	DIPAYAN CHOWDHURY	Disayan Chordhun
14	019	HIMANSHU RAY	Himanshu Ray
15	020	JEET GOPE	Jeet vope
16	021	JOY DUTTA	Joy Dutta.
17	022	KARAN NATH MAHAPATRA	Kovan north mulacyet
18	023	KOUSHIK SINGHA MAHAPATRA	Horskite S.M.p
19	024	KUMARJIT MONGAL	Kmanost Monor
20	025	KUNAL MONDAL	Kunal Mondal
21	026	MANOJIT RAUL	Momojit Raul.
22	027	PARTHIB HALDAR	Partub Haldar.
23	029	PUJA DAS	Pina Day
24	030	PUSKAR GHOSH	Puskar Ghosh
25	031	RAHUL KUIRY	Robert Kerry
26	032	RAHUL SINGHA	Rahul Singha
27	033	RAJA DAS	10070 nal
27	033	KASA DAS	ROJO DOS

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Afaddar, Signature of the Teacher

#### Certificate course on Python Programming

#### Organized by

#### Department of Computer Science & BCA

#### Kharagpur College

Course Duration-11.05.2022 to 14.06.2022 (10 days, 30 hours)

**Attendance Sheet** 

Date- 19/05/22

Name of the Teacher: ANUDYUTI GHORAI

SL. NO	ROLLNO	STUDENT NAME	SIGNATURE
1	002	ABHISHEK SHARMA	Abhishel sharme
2	003	ABIR MAITY	Abir Mult4
3	004	AJIT SAREN	AjitSarren
4	005	ANIRBAN DAS	Anisban Das
5	006	ANOMITRA KAR	Anomitra har
6	007	ANUVAB SAHU	Anuvab Salu
7	009	AVIJIT SUI	Avisit Sui
8	010	AYAN BISWAS	Ayan Biswas
9	011	AYON MONDAL	Ayon Mondal
10	012	B SRUTHI	ABSENT
11	014	BHIM HANSDA	Blim Hamsler
12	017	DEEPAK SINGH	Duepak Lingh
13	018	DIPAYAN CHOWDHURY	Dipayer Chordhum
14	019	HIMANSHU RAY	Himardur Ray
15	020	JEET GOPE	Jeet vole
16	021	JOY DUTTA	Joy Dutta.
17	022	KARAN NATH MAHAPATRA	Koream north mohupabre
18	023	KOUSHIK SINGHA MAHAPATRA	Nowhith S.M.P
19	024	KUMARJIT MONGAL	Kimorott Monoal
20	025	KUNAL MONDAL	Kunal Mondal
21	026	MANOJIT RAUL	Mamoist Roud.
22	027	PARTHIB HALDAR	Parthib Hulder
23	029	PUJA DAS	Pina Dal
24	030	PUSKAR GHOSH	Ruskar Chash
25	031	RAHUL KUIRY	Rahy kuing
26	032	RAHUL SINGHA	Rahul Sinaha
27	033	RAJA DAS	Rata Dal
28	034	SANDIP KUMAR KUNDU	Sandip Rumar Rundy

29	035	SAYANDIP BOXI	Sayandip Boxei
30	036	SHREYA RANI DE	Shreya De
31	037	SHREYA UPADHYAY	Shoreya Upadhyay.
32	038	SHREYASI SARKAR	Streey as i Sarkar
33	039	SK AFTAB	SK-Aftab
34	040	SK RAKIUR RAHAMAN	Sk Robin Rolaman
35	041	SOMNATH BANERJEE	Somnath Baneryle
36	044	SUBHASH CHANDRA ADAK	Subhash Chandra Adak
37	046	SUDIPTA KOTAL	Sudipha Kotal
38	047	SUJIT HEMBRAM	Sujit Hembram
39	048	SUMAN MANDAL	Suman mandal
40	049	SUNIL BISUI	Sumi Bisu
41	050	SUPRIYO KUNDU	Supriyo Kindu. Ziam Nawaz
42	052	ZIAN NAWAZ	Ziam Nawaz

Aghorai Signature of the Teacher

### Department of Computer Science & BCA

#### Kharagpur College

Course Duration-11.05.2022 to 14.06.2022 (10 days, 30 hours)

Attendance Sheet

Date- 12/05/22

Name of the Teacher: AN UDYUTI GHORAI

1,002			CICNIATURE
SL. NO	ROLLNO	STUDENT NAME	SIGNATURE
1	002	ABHISHEK SHARMA	Abhishele shanma
2	003	ABIR MAITY	Able muits
3	004	AJIT SAREN	Ajit Jaren
4	005	ANIRBAN DAS	Anisban Das
5	006	ANOMITRA KAR	Anomitra Kar
6	007	ANUVAB SAHU	Annab Sahn
7	009	AVIJIT SUI	Avisit Sui
8	010	AYAN BISWAS	Ayan Bisun
9	011	AYON MONDAL	Ayon Mondal
10	012	B SRUTHI	ABSENT
11	014	BHIM HANSDA	Chim Hansdy
12	017	DEEPAK SINGH	DeePak Stryh
13	018	DIPAYAN CHOWDHURY	Dipayan Chowdhury
14	019	HIMANSHU RAY	Himanshus Ray
15	020	JEET GOPE	Teet note
16	021	JOY DUTTA	Joy Dutta.
17	022	KARAN NATH MAHAPATRA	Karen natumoherpati
18	023	KOUSHIK SINGHA MAHAPATRA	Kowhich S.Mp
19	024	KUMARJIT MONGAL	Kmonott Monoal
20	025	KUNAL MONDAL	Kunal Mondal
21	026	MANOJIT RAUL	Mamo'sit Raul.
22	027	PARTHIB HALDAR	Parthib Hulder
23	029	PUJA DAS	Pina Dal
24	030	PUSKAR GHOSH	Ruskar Chosh
25	031	RAHUL KUIRY	Rahul King Rahul Singha
26	032	RAHUL SINGHA	Rahul Sinaha.
27	033	RAJA DAS	RAJA DAS
28	034	SANDIP KUMAR KUNDU	Sandip Kumar Kundu

29	035	SAYANDIP BOXI	Sayandip Boxi
30	036	SHREYA RANI DE	Shreya De Showya Upádhyay
31	037	SHREYA UPADHYAY	Shoreya Upadhyay
32	038	SHREYASI SARKAR	Sweyasi Sarkar
33	039	SK AFTAB	SK. Aftab
34	040	SK RAKIUR RAHAMAN	Sk. RRaboman
35	041	SOMNATH BANERJEE	Somneth Barreryer
36	044	SUBHASH CHANDRA ADAK	Subhash Chandra Adak
37	046	SUDIPTA KOTAL	Sudippa kotal
38	047	SUJIT HEMBRAM	Sujit Hembram
39	048	SUMAN MANDAL	Suman Moordal
40	049	SUNIL BISUI	Sum Bisul
41	050	SUPRIYO KUNDU	Supriyo Kund.
42	052	ZIAN NAWAZ	Suprys Kund.

Aghorai Signature of the Teacher

#### Department of Computer Science & BCA

#### Kharagpur College

Course Duration-11.05.2022 to 14.06.2022 (10 days, 30 hours)

**Attendance Sheet** 

Date- 14/05/22

Name of the Teacher: ALOK HALDAR

CL NO	ROLLNO	STUDENT NAME	SIGNATURE
SL. NO			
1	002	ABHISHEK SHARMA	Abhisheli shaoma
2	003	ABIR MAITY	Abir My 174
3	004	AJIT SAREN	AjitSoven
4	005	ANIRBAN DAS	Anirban Das
5	006	ANOMITRA KAR	Anomitea har
6	007	ANUVAB SAHU	Anuvab Sahu
7	009	AVIJIT SUI	Avisit Svi
8	010	AYAN BISWAS	Agan Biswas
9	011	AYON MONDAL	Syon Mondal
10	012	B SRUTHI	ABSENT
11	014	BHIM HANSDA	Blim Hansda
12	017	DEEPAK SINGH	Deapak fingh
13	018	DIPAYAN CHOWDHURY	Dipryan Chowdhury
14	019	HIMANSHU RAY	Honorshun Ray
15	020	JEET GOPE	Jeet Gore
16	021	JOY DUTTA	Joy Duta.
17	022	KARAN NATH MAHAPATRA	. Karram maker making orbin.
18	023	KOUSHIK SINGHA MAHAPATRA	Youshoh S.Mpare
19	024	KUMARJIT MONGAL	Kmonjit Monord
20	025	KUNAL MONDAL	Kunal Mondal
21	026	MANOJIT RAUL	Mamojit Raul
22	027	PARTHIB HALDAR	Partuib Haldur.
23	029	PUJA DAS	Pinja Das
24	030	PUSKAR GHOSH	Pusker Chosh
25	031	RAHUL KUIRY	Rahul Kuiry
26	032	RAHUL SINGHA	Rahul Singha.
27	033	RAJA DAS	Raja Das
28	034	SANDIP KUMAR KUNDU	Sandip Kumar Kundu

29	035	SAYANDIP BOXI	Sayandip Bosci
30	036	SHREYA RANI DE	Shreya De
31	037	SHREYA UPADHYAY	Shoreya Upadhyay.
32	038	SHREYASI SARKAR	Sweeyasi Sazkaz
33	039	SK AFTAB	SK. Aftab
34	040	SK RAKIUR RAHAMAN	SK Raking Rahaman
35	041	SOMNATH BANERJEE	Somenath Baneryee
36	044	SUBHASH CHANDRA ADAK	Subhash Chamatra Adak
37	046	SUDIPTA KOTAL	Sudipha Kohai
38	047	SUJIT HEMBRAM	Snjit Hembram
39	048	SUMAN MANDAL	Sumon Mondal
40	049	SUNIL BISUI	Sunil Bisui
41	050	SUPRIYO KUNDU	Supriyo Knodu.
42	052	ZIAN NAWAZ	ziam Nawaz

Adlar. Signature of the Teacher

#### Department of Computer Science & BCA Kharagpur College

#### Course Duration-11.05.2022 to 14.06.2022 (10 days, 30 hours)

**Attendance Sheet** 

Date- 11/05/22

Name of the Teacher: ALOK HALDAR

SL. NO	ROLLNO	STUDENT NAME	SIGNATURE
1	002	ABHISHEK SHARMA	Abhishuk Sharoma
2	003	ABIR MAITY	Abir Noity
3	004	AJIT SAREN	AjitSaren
4	005	ANIRBAN DAS	Aninhan Das
5	006	ANOMITRA KAR	Anomitra kar
6	007	ANUVAB SAHU	Aruvab Sahu
7	009	AVIJIT SUI	Avisit Sui
8	010	AYAN BISWAS	Ayan Bisnos
9	011	AYON MONDAL	Ayon Mondal
10	012	B SRUTHI	ABSENT
11	014	BHIM HANSDA	Bhim Hamde
12	017	DEEPAK SINGH	Deepaklingh
13	018	DIPAYAN CHOWDHURY	2012 aran Chondhum
14	019	HIMANSHU RAY	Himarihm Ray
15	020	JEET GOPE	Jet vole
16	021	JOY DUTTA	Joy Dutta.
17	022	KARAN NATH MAHAPATRA	Keean north mahripped
18	023	KOUSHIK SINGHA MAHAPATRA	Roshik S.Mo
19	024	KUMARJIT MONGAL	Kumonsif Monose
20	025	KUNAL MONDAL	Kunal Mondal
21	026	MANOJIT RAUL	Manosit Raul
22	027	PARTHIB HALDAR	Parthib Haldar.
23	029	PUJA DAS	Pina Dal
24	030	PUSKAR GHOSH	Puskar Ghosh
25	031	RAHUL KUIRY	Rabulkering
26	032	RAHUL SINGHA	Rahul Smaha
27	033	RAJA DAS	RATO DOL

29	035	SAYANDIP BOXI	Sayandip Boxi
30	036	SHREYA RANI DE	Shrujade
31	037	SHREYA UPADHYAY	Shruga De Shoreya Upadhyay.
32	038	SHREYASI SARKAR	Shrayasi Sankar
33	039	SK AFTAB	SK-Aftab
34	040	SK RAKIUR RAHAMAN	S. R. Roturan
35	041	SOMNATH BANERJEE	Somnath Baneryer
36	044	SUBHASH CHANDRA ADAK	Subhash Clandra Adak
37	046	SUDIPTA KOTAL	Sudipta Kotal
38	047	SUJIT HEMBRAM	Sujit Hombran
39	048	SUMAN MANDAL	Sumon Mondal
40	049	SUNIL BISUI	Suni Bisvi
41	050	SUPRIYO KUNDU	Supriyo Knordu.
42	052	ZIAN NAWAZ	Ziam Nawaz

Awar . Signature of the Teacher

#### Department of Computer Science & BCA

#### Kharagpur College

Course Duration-11.05.2022 to 14.06.2022 (10 days, 30 hours)

**Attendance Sheet** 

Date- 12/05/22

Name of the Teacher: ANUDYUTI GHORAI

SL. NO	ROLLNO	STUDENT NAME	SIGNATURE
1	002	ABHISHEK SHARMA	Abhishek sharma
2	003	ABIR MAITY	Abir muits
3	004	AJIT SAREN	Ajil-Saren
4	005	ANIRBAN DAS	Anirban Das
5	006	ANOMITRA KAR	Anomitra Kar
6	007	ANUVAB SAHU	Arrivab Salu
7	009	AVIJIT SUI	Avisit Svi
8	010	AYAN BISWAS	Ayan Bis was
9	011	AYON MONDAL	Ayon Mondal
10	012	B SRUTHI	ABSENT
11	014	BHIM HANSDA	Bhim Hansda
12	017	DEEPAK SINGH	Dere Puk Singh
13	018	DIPAYAN CHOWDHURY	Dipagan Chowdhury
14	019	HIMANSHU RAY	Hmarshu Ran
15	020	JEET GOPE	Jeet Gole
16	021	JOY DUTTA	Joy Dutta.
17	022	KARAN NATH MAHAPATRA	Kerrun neutr markenparte
18	023	KOUSHIK SINGHA MAHAPATRA	Korohok S.Mo
19	024	KUMARJIT MONGAL	KmonoTJ Monoal
20	025	KUNAL MONDAL	Kunal Mondal
21	026	MANOJIT RAUL	Momosit Raul
22	027	PARTHIB HALDAR	Partuib Huldar.
23	029	PUJA DAS	Dija Dal
24	030	PUSKAR GHOSH	Ruskal bhosh
25	031	RAHUL KUIRY	Rabul Kuiry
26	032	RAHUL SINGHA	Rahul Singha.
27	033	RAJA DAS	Paja Das
28	034	SANDIP KUMAR KUNDU	Sandip Kumar Kundu

			IA A A
29	035	SAYANDIP BOXI	Sayandip Boxi
30	036	SHREYA RANI DE	Shruja De
31	037	SHREYA UPADHYAY	Shoreya Upadhyay.
32	038	SHREYASI SARKAR	Sheeyasi Sarkar
33	039	SK AFTAB	SIK. Aftab
34	040	SK RAKIUR RAHAMAN	Sk Raking Rahaman
35	041	SOMNATH BANERJEE	Somnath Barreryer
36	044	SUBHASH CHANDRA ADAK	Subhash Chardra Adak
37	046	SUDIPTA KOTAL	SudiPla Kotal
38	047	SUJIT HEMBRAM	Sujit Hombram
39	048	SUMAN MANDAL	Sumon Monded
40	049	SUNIL BISUI	Sinil Bisui
41	050	SUPRIYO KUNDU	Supriyo Kundn.
42	052	ZIAN NAWAZ	Supriyo Kundu.

A Shorai Signature of the Teacher

#### SUMMARY REPORT ON CERTIFICATE COURSE ENTITLED

#### "Python Programming"

Organised by
Department of Computer Science & BCA
Kharagpur College

DATE: From 11.05.2022 to 14.06.2022 DURATION: 10 Days (30 Hours)

Coordinator: Prof. Alok Haldar, Assistant Professor and Head,
Department of Computer Science & BCA,
Kharagpur College

Computer Proficiency is an essential part of modern education. The certificate course is designed to provide UG students with a solid foundation in basic computer knowledge, concepts and techniques of Python Programming which can lead to improve job prospects and career advancement opportunities. The course also provides a strong foundation for further study in computer and related fields like web development, data science, artificial intelligence and machine learning.

The course aims to prepare the undergraduate and post graduate students of different streams like BCA, science etc. with basic abilities as well as hands-on experience in python programming.

Course Objectives can be listed as below:

- To Provide the fundamentals of writing Python scripts
- > To learn core Python scripting elements such as variables and flow control structures
- > To discover how to work with lists and sequence data
- > To write Python functions to facilitate code reuse
- > To provide their code robust by handling errors and exceptions properly
- ➤ Work with the Python standard library
- To be explore Python's object-oriented features

#### Taught by:

- Prof. Alok Haldar, Assistant Professor and Head, Department of Computer Science & BCA, Kharagpur College
- 2. Mr. Anudyuti Ghorai, State Aided College Teacher, Department of Computer Science & BCA, Kharagpur College
- 3. Mr. Subhadip Mukherjee, State Aided College Teacher, Department of Computer Science & BCA, Kharagpur College
- 4. Mr. Biswajit Laya, State Aided College Teacher, Department of Computer Science & BCA, Kharagpur College