

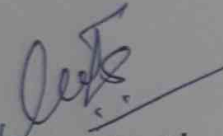
South Indian Children's Education Society's
Degree Collage of Arts, Science and Commerce
Jambhul Phata, Chikhloli, Ambernath (W)-421505

Academic Year 2022-2023

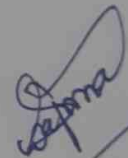
Date:-19/08/2023

NOTICE

All the students of FY, SY and TY are hereby informed that Department of "Computer Science" has organized "Certificate Course" on Python Programming Subject Held on Saturday in CS lab. Interested students can enroll their name and fill the form before Saturday.


Mr. Jivan Roth
HOD

Head Department of Computer Science
SICES Degree College of Arts, Science & Commerce
Jambhul Phata, Ambernath (W)


Dr. Swapna H. Samel
Principal
PRINCIPAL
SICES DEGREE COLLEGE OF
ARTS, SCIENCE & COMMERCE
AMBERNATH - 421505





Department of Computer Science

Academic Year – 2023-24

Details of Certificate Courses for A.Y. 2023-24

Sr. No.	Starting date	Certificate course Title	Topics Covered	Duration In Hours	Fees in Rupees	Amount Sanctioned/ Not Sanctioned/ (Remark /Sign)
01	1/11/2023	Basics of Python	Core Topics in Python	5 Hrs	500/-	Nil
	1/04/2024	Basics of C++	Core Topics in C++	5 Hrs	500/-	Nil

Sign. Coordinator

[Signature]
18/07/23
Head Department of Computer Science
SICES Degree College of Arts, Science & Commerce
Jambhul Phata, Ambernath (W)

Academic Year – 2023-24
Certificate Course in Basics of Python

Sr.No.	Name of Modules	No.of Lectures (Hrs)	Name of Staff
1.	Fundamentals of Python	10	Mr. Jivan S. Rothe
2.	Statements in Python	10	Mr. Jivan S. Rothe
3.	Functions in Python	10	Mr. Jivan S. Rothe
Total Hours		30	Fees per Students Rs 500

Purpose: This course is aims at introducing one of the fastest growing programming language of current time and enables learners to understand the fundamentals of programming with Python. Learners will be able to write programs to solve real-world problems, and produce quality code. It will help to develop strong skills of programming for implementing applications for emerging fields including data science and machine learning.

Course Objectives:

- 1 To learn how to design and program Python applications.
- 2 To explore the innards of Python Programming and understand components of Python Program
- 3 To define the structure and components of a Python program.
- 4 To learn how to write loops and decision statements in Python

Content of the course:

Unit:I

Overview of Python: History & Versions, Features of Python, Execution of a Python Program, Flavours of Python, Innards of Python, Python Interpreter, Memory Management in Python, Garbage Collection in Python, Comparison of Python with C and Java, Installing Python, Writing and Executing First Python Program, Getting Help, IDLE

Data Types, Variables and Other Basic Elements: Comments, Docstrings, Data types- Numeric Data type, Compound Data Type, Boolean Data type, Dictionary, Sets, Mapping, Basic Elements of Python, Variables

Input and Output Operations: Input Function, Output Statements, The print() function, The print("string") function, The print(variables list) function, , The print(object) function, The print(formatted string) function, Command Line Arguments

Unit:II

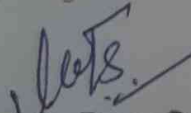
Control Statements: The if statement, The if ... else Statement, The „if ...elif ... else" Statement, Loop Statement- while loop, for loop, Infinite loop, Nested loop, The else suite, break statement, continue statement, pass statement, assert statement, return statement

Operators: Arithmetic operators, Assignment operators, Unary minus operator, Relational operators, Logical operators, Bitwise operators, Membership operators, Identity operators, Precedence of Operators, Associativity of Operators

Unit:III

Arrays: Creating Arrays, Indexing and Slicing of Arrays, Basic Array Operations, Arrays Processing, Mathematical Operations on Array, Aliasing Arrays, Slicing and Indexing in NumPy Arrays, Basic slicing, Advanced Indexing, Dimensions of Arrays, Attributes of an Array, The ndim Attribute, The shape Attribute, The size Attribute, The itemsize Attribute

Functions: Function definition and call, Returning Results, Returning Multiple Values from a Function, Built-in Functions, Difference between a Function and a Method, Pass Value by Object Reference, Parameters and Arguments, Formal and Actual Arguments, Positional Arguments, Keyword Arguments, Default Arguments, Arbitrary Arguments, Recursive Functions, Anonymous or Lambda Functions, Using Lambda with the filter() Function, Using Lambda with the map() Function, Using Lambda with the reduce() Function


 Asst. Prof. Jivan Rothe
 Course Co-ordinator

Head Department of Computer Science
 SICES Degree College of Arts, Science & Commerce
 Jambhul Phata, Ambernath (W)





S.I.C.E. SOCIETY'S
DEGREE COLLEGE OF ARTS, SCIENCE AND COMMERCE
JAMBHUL PHATA, CHIKHLOLI, AMBERNATH (WEST) 421 505.
DEPARTMENT OF Computer Science

FEE RECEIPT

S.No. 814

Date: 19/08/23

Received the sum of Rs. 500/- from Bhumika Manoj

Khuoshija of class FYCS Roll No. FCS23007 for enrollment

in Value added / Add on Certificate / Diploma / Bridge / Skill development courses for the
A. Y. 2023-2024

Course Co-ordinator

Head of Department



South Indian Children's Education Society's
Degree College of Arts, Science and Commerce
Jambhul Phata, Ambarnath - Badlapur Road, Ambarnath (west), 421505
Accredited by NAAC with B+ Grade
Permanently Affiliated to University of Mumbai

Academic Year 2023-24

CERTIFICATE COURSE APPLICATION FORM



1. Full Name AYUSH GIRISH SHINDE
(In capital) (First Name) (Middle Name) (Surname)
2. Department F.Y.B.A . Class _____
3. Roll number FA23001 . Date of Birth 26/08/2005 Age 17 .
4. Gender male .
5. Religion Hindu . Category _____
6. Permanent Address B/115, Trishul Golden Ville,
Sonivali, Badlapur, (west) .
7. WhatsApp/Contact No: 9322995875 E-mail Id ayush2005shinde@gmail.com
8. Name of the Certificate Course Python & C++ base .

I hereby certify that, the information given in this application is complete and correct. I agree to comply with the rules and regulations of the SICES Degree College.

Place: Badlapur
Date: 17/08/23

Ashish
Signature of the Applicant

For Office Use only

Date Received 17/08/23 .



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Academic Year 2023-24

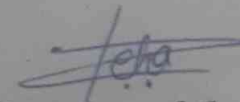
CERTIFICATE COURSE APPLICATION FORM



1. Full Name NEHA SANJAY PARAB
(In capital) (First Name) (Middle Name) (Surname)
2. Department COMP. SCIENCE Class FIRST YEAR
3. Roll number FCS 23017 Date of Birth 01-12-2005 Age 17
4. Gender Female
5. Religion Hindu - Maharashtra Category OPEN
6. Permanent Address 204/R-1, Shiv Vatika near Dharti Hills, Badlapur Ambarnath (w)
7. WhatsApp/Contact No: 7709409448 E-mail Id nehapaxab⁹⁶⁹@gmail.com
8. Name of the Certificate Course Python Programming

I hereby certify that, the information given in this application is complete and correct. I agree to comply with the rules and regulations of the SICES Degree College.

Place: Badlapur
Date: 17/08/23


Signature of the Applicant

For Office Use only

Date Received 17/08/23

S. I. C. E. Society's
Degree College of Arts, Science and Commerce Ambernath
 Permanently Affiliated to University of Mumbai
 NAAC Accredited B
 Academic Year 2023-24

ATTENDANCE SHEET

CERTIFICATE COURSE NAME: PYTHON PROGRAMMING (30 Hrs)

Sr. No.	Name of the Participants	Date				
		14/10/23	19/10/23	18/10/23	20/10/23	07/10/23
1.	Ayush Girish Shinde	10:00-12:00	9:30-11:30 AM	12:00-2:30	12:00-2:30	10:30-12:30
2.	Neha Sanjay Parab	AB	AB			AB
3.	Mandar Krishna More	AB	AB	AB	AB	AB
4.	Piyush Umesh Sawant	AB	AB	AB	AB	AB
5.	Rachana Vinayak Dhuri	AB	AB	AB	AB	AB
6.	Geeta Vajaram Choudhari	AB	AB	AB	AB	AB
7.	Tanmai Manoj Palande	AB	AB	AB	AB	AB
8.	Harshita Prashant Mohite	AB	AB	AB	AB	AB
9.	Srushti Ashok Gaikwad	AB	AB	AB	AB	AB
10.	Jaya Jyoti Mallikarjun Madival	AB	AB	AB	AB	AB
11.	Tejaswini Tanaji Andhale	AB	AB	AB	AB	AB
12.	Ruchi Krushnakumar Gaonkar	AB	AB	AB	AB	AB
13.	Poonam Omprakash Gautam	AB	AB	AB	AB	AB
14.	Bhumika Manoj Khurshija	AB	AB	AB	AB	AB
15.	Suraj Mahendra Chauhan	AB	AB	AB	AB	AB
16.	Madhuri Makarand Jandhar	AB	AB	AB	AB	AB
17.	Nambiraj Ganpathi Konar	AB	AB	AB	AB	AB
18.	Sahil Vijay Shelke	AB	AB	AB	AB	AB
19.	Garakhnath Hajare	AB	AB	AB	AB	AB
20.	Tanmay Rajiv Mogaveera	AB	AB	AB	AB	AB

ATTENDANCE SHEET

CERTIFICATE COURSE NAME: PYTHON PROGRAMMING (30 Hrs)

Sr. No.	Name of the Participants	Date				EXAM
		07/11/23	11/11/23	22/11/23	18/12/23	
		Time	08:00-10:00	10:12 am	08:30-9:30	
1.	Ayush Girish Shinde					
2.	Neha Sanjay Parab					
3.	Mandar Krishna More					
4.	Piyush Umesh Sawant	AB	MANDAR	AB	MANDAR	
5.	Rachana Vinayak Dhuri	AB	Pusavant	AB	Pusavant	
6.	Geeta Vajaram Choudhari	AB	AB	AB	Geeta	
7.	Tanmai Manoj Palande	Geeta Choudhari	Geeta Choudhari	Geeta Choudhari	Geeta Choudhari	
8.	Harshita Prashant Mohite	Jannal	Jannal	Jannal	Jannal	
9.	Srushti Ashok Gaikwad		AB	AB	White	
10.	Jaya Jyoti Mallikarjun Madival		AB	AB	White	
11.	Tejaswini Tanaji Andhale	Madival	Madival	Madival	Madival	
12.	Ruchi Krushnakumar Gaonkar	AB	AB	Tejaswini	Tejaswini	
13.	Poonam Omprakash Gautam	AB	AB	AB	Ruchi	
14.	Bhumika Manoj Khurshija	AB	AB	AB	AB	
15.	Suraj Mahendra Chauhan	Bhumika	AB	Bhumika	Bhumika	
16.	Madhuri Makarand Jamdar	Suraj	Suraj	Suraj	Suraj	
17.	Nambiraj Ganpathi Konar	Madhuri	Madhuri	AB	Madhuri	
18.	Sahil Vijay Shelke	AB	AB	AB	AB	
19.	Gorakhnath Hajare	AB	AB	AB	AB	
20.	Tanmay Rajiv Mogaveera	AB	AB	AB	AB	
		Tanmay	Tanmay	Tanmay	Tanmay	

Following are Lecture and Practical Conducted Details

Sr. No	Date	Time	No. Of Lecture	Theory/Practical
1.	02/09/23	12:00 - 02:00	03	T - 02 , P - 01
2.	09/09/23	11:00 - 01:00	03	T - 02 , P - 01
3.	18/09/23	12:00 - 02:00	03	T - 02 , P - 01
4.	30/09/23	12:00 - 02:00	03	T - 02 , P - 01
5.	07/10/23	10:00 - 12:00	03	T - 02 , P - 01
6.	14/10/23	10:00 - 12:00	03	T - 02 , P - 01
7.	04/11/23	11:00 - 01:00	03	T - 02 , P - 01
8.	11/11/23	08:00 - 10:00	03	T - 02 , P - 01
9.	22/11/23	10:00 - 12:00	03	T - 02 , P - 01
10.	18/12/23	08:30 - 10:30	03	T - 02 , P - 01

South Indian Children's Education Society's
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Jambhul Phata, Chikhholi, Ambarnath (W)-421505

Academic Year 2023-2024

Date:-15/12/2023


NOTICE

All the students of Python Certificate course are hereby informed that Department of "Computer Science" has organized "Certification Exam" on 18 December 2023 at 08:30 AM TO 09:30 AM in CS lab.

All the students are requested to attend the same.

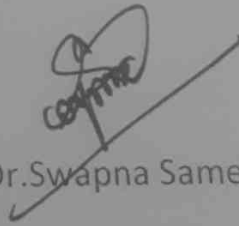
Convener: 1) Mr. Jivan Rothe.

2) Ms.Sayali Bornare.


Mr. Jivan Rothe

HOD

Head Department of Computer Science
S Degree Collage of Arts, Science & Commerce
Jambhul Phata, Ambarnath (W)


Dr. Swapna Samel

Principal
PRINCIPAL
SICES DEGREE COLLEGE OF
ARTS, SCIENCE & COMMERCE
AMBERNATH - 421505





Academic Year 2023-24
CERTIFICATE COURSE REGISTRATION DETAILS
 DEPARTMENT OF COMPUTER SCIENCE
 COURSE NAME: PYTHON PROGRAMMING

Sr. NO.	NAME OF THE STUDENTS	CLASS	ROLL NO.	WHAT'SAPP PNO.	FEES PAID & RECEIPT NO.	STUDENT SIGNATURE WITH
1)	Ayush Girish Shinde	FYBA	FA23001	9322995875	801	
2)	Neha Sanjay Parab	FYCS	FCS23017	7709409448	802	
3)	Mandar Krishna More	FYCS	FCS23005	8080070546	803	
4)	Piyush Umesh Sawant	FYCS	FCS23006	8806563738	804	
5)	Rachana Vinayak Dhuri	FYBA	FA23013	9822760365	805	
6)	Geeta Vajaram Choudhari	FYCS	FCS23012	7559241243	806	
7)	Tanmai Manoj Palande	FYCS	FCS23019	9175993880	807	
8)	Harshita Prashant Mohite	FYCS	FCS23003	9136856940	808	
9)	Srushti Ashok Gaikwad	TYBCA	77231	7021653232	809	
10)	Jaya Jyoti Mallikarjun Madival	TYBCA	08226	8080103234	810	
11)	Tejaswini Tanaji Andhale	TYBCA	08176	7219671826	811	
12)	Ruchi Krushnakumar Gaonkar	FYBA	FA23003	9145539815	812	
13)	Poonam Omprakash Gautam	TYBCA		9975671325	813	
14)	Bhumika Manoj Khurshija	FYCS	FCS23007	8010029062	814	
15)	Suraj Mahendra Chauhan	FYCS	FCS23004	8446294958	815	
16)	Madhuri Makarand Jamdar	FYCS	FCS23010	8237510806	816	
17)	Nambiraj Ganpathi Konar	FYCS	FCS23024	7276363414	817	
18)	Sahil Vijay Shelke	FYCS	FCS23001	9096398478	818	
19)	Gorakhnath Hajare	FYCS	FCS23023	9011580402	819	
20)	Tanmay Rajiv Mogaveera	FYCS	FCS23002	8952601487	820	

23	Dhanashree Diplesh Shaha	FYCS	FCS23018	9011384789	821
24	Bhavna Dada Pawar	FYCS	FCS23028	8928160442	822
25	Ankita Radheshyam Verma	TYBCA		9860426117	823
26	Hemant Deepak Gurav	FYCS	FCS23011	7774098483	824
27	Khushbu Omprakash Gautam	BCA		7028772406	826
28	Prateeti Parag Sinha	FYCS	FCS23008	7447455281	827
29	Yash Sharad Kambli	FYCS	FCS23030	8208603835	828
30	Tijo Thomas Chakkanil	FYCS	SCS23002	7720839570	829
31	Diksha Datta Kharat	FYCS	FCS23025	8805991974	830
32	Sanika Tukaram Shinde	FYCS	FCS23028	8767313681	831

Course Co-Ordinator:



Mr. Jivan S. Rothe
Head- Department of Computer Science

Q.1 Multiple Choice Question.

15 M

1. What is the method inside the class in python language?
a. Object b. Function c. Attribute d. Argument
2. What do we use to define a block of code in Python language?
a. Key b. Brackets c. Indentation d. None of these
3. Which one of the following is the correct extension of the Python file?
a. .py b. .python c. .p d. None of these
4. Who developed the Python language?
a. Zim Den b. Guido van Rossum c. Niene Storm d. Wick van Rossum
5. Which of the following types of loops are not supported in Python?
a. for b. while c. do-while d. None of the above
6. Which of the following are valid string manipulation functions in Python?
a. count() b. upper() c. strip() d. All of the above
7. What is called when a function is defined inside a class?
a. Module b. Class c. Another Function d. Method
8. What do you mean by python tuples?
a. An immutable type of data type which can store anything
b. A mutable type of data type which can only store string
c. An immutable type of data type which can store only stored string
d. A mutable type of data type which can only store numbers
9. In python tuples, different elements are separated by which symbol?
a. : b. , c. :: d. None of the above
10. How do you store list elements
a. {} b. () c. [] d. <>

11. Which python function will get you the size of the python list?
- a. Size () b. Len () c. Lenin () d. List_len ()
12. Which of the following methods will help you to add the element at the end of the list?
- a. append() b. end() c. add() d. last()
13. From the given syntax, which of the following is the correct syntax to create a dictionary?
- a. Dict = [1:"hi",2:"hello"] b. Dict = { 1:"hi",2:"hello"}
c. Dict = { 1:"hi",2:"hello"} d. Dict = [1:"hi",2:"hello"]
14. Suppose a user wants to print the second value of an array, which has 5 elements. What will be the syntax of the second value of the array?
- a. array[2] b. array[1] c. array[-1] d. array[-2]
15. How many control statements python supports?
- a. Four b. Five c. Three d. None of the these

Write and Execute the Python code to find the maximum number element from the list.

10 M



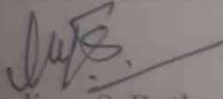
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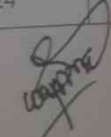
Academic Year 2023-24 CERTIFICATE COURSE RESULT

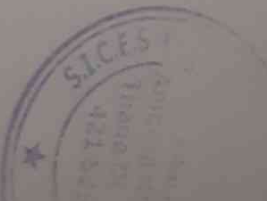
COURSE NAME: PYTHON PROGRAMMING COURSE CODE : CSC01

Sr. NO.	NAME OF THE STUDENTS	CLASS	ROLL NO.	RECEIPT NO.	MARKS OUT OF 25	GRADE
1)	Ayush Ginish Shinde	FYBA	FA23001	801	19	O
2)	Neha Sanjay Parab	FYCS	FCS23017	802	22	O+
3)	Mandar Krishna More	FYCS	FCS23005	803	25	O+
4)	Piyush Umesh Sawant	FYCS	FCS23006	804	25	O+
5)	Rachana Vinayak Dhuri	FYBA	FA23013	805	18	A+
6)	Geeta Vajaram Choudhari	FYCS	FCS23012	806	24	O+
7)	Tanmai Manoj Palande	FYCS	FCS23019	807	23	O+
8)	Harshita Prashant Mohite	FYCS	FCS23003	808	21	O
9)	Srushti Ashok Gaikwad	TYBCA	77231	809	23	O+
10)	Jaya Jyoti Mallikarjun Madival	TYBCA	08226	810	23	O+
11)	Tejaswini Tanaji Andhale	TYBCA	08176	811	23	O+
12)	Ruchi Krushnakumar Gaonkar	FYBA	FA23003	812	16	A+
13)	Poonam Omprakash Gautam	TYBCA		813	23	O+
14)	Bhumika Manoj Khurshija	FYCS	FCS23007	814	22	O+
15)	Suraj Mahendra Chauhan	FYCS	FCS23004	815	20	O
16)	Madhuri Makarand Jamdar	FYCS	FCS23010	816	24	O+
17)	Nambiraj Ganpathi Konar	FYCS	FCS23024	817	21	O
18)	Sahil Vijay Shelke	FYCS	FCS23001	818	25	O+
19)	Gorakhnath Hajare	FYCS	FCS23023	819	24	O+
20)	Tanmay Rajiv Mogaveera	FYCS	FCS23002	820	20	O
21)	Dhanashree Diptesh Shaha	FYCS	FCS23018	821	22	O+
22)	Bhavna Dada Pawar	FYCS	FCS23028	822	24	O+
23)	Ankita Radheshyam Verma	TYBCA		823	21	O
24)	Hemant Deepak Gurav	FYCS	FCS23011	824	22	O+
25)	Khushbu Omprakash Gautam	BCA		826	23	O+
26)	Prateeti Parag Sinha	FYCS	FCS23008	827	24	O+
27)	Yash Sharad Kambli	FYCS	FCS23030	828	23	O+
28)	Tijo Thomas Chakkanil	FYCS	SCS23002	829	A	A
29)	Diksha Datta Kharat	FYCS	FCS23025	830	24	O+
30)	Sanika Tukaram Shinde	FYCS	FCS23028	831	24	O+

Course Co-Ordinator:


 Mr. Jivan S. Rothe
 Head- Department of Computer Science


 Dr. Swapna Samel
 Principal
PRINCIPAL
SICES DEGREE COLLEGE OF
ARTS, SCIENCE & COMMERCE
AMBERNATH - 421505





South Indian Children's Education Society's
DEGREE COLLEGE OF ARTS, SCIENCE & COMMERCE
AMBERNATH (W.)

Permanently Affiliated to University of Mumbai
Accredited by NAAC with B⁺ Grade

CERTIFICATE

This is to certify that (Mr./Ms.) Geeta Vajaram Choudhary of
FYCS successfully completed the 2 credits (30 Hrs) Certificate Course in
Python Programming conducted by the Department of
Computer Science on 18 Dec, 23 & obtained grade O+ in the academic year 2023-2024

Wukhaachame
Course Coordinator


Principal




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DEGREE COLLEGE OF ARTS, SCIENCE & COMMERCE
AMBERNATH (W.)

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Accredited by NAAC with B' Grade

CERTIFICATE

This is to certify that (Mr./Ms.) Bhumika Manoj Khushlija of
FYCS successfully completed the 2 credits (30 Hrs) Certificate Course in
Python Programming conducted by the Department of
Computer Science on 18 Dec, 23 & obtained grade O+ in the academic year 2023-2024

wykhachame
Course Coordinator


Principal



South Indian Children's Education Society's
DEGREE COLLEGE OF ARTS, SCIENCE & COMMERCE
AMBERNATH (W.)

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Accredited by NAAC with B+ Grade

CERTIFICATE

This is to certify that (Mr./Ms.) Diksha Datta Kharat of
FYCS successfully completed the 2 credits (30 Hrs) Certificate Course in
Python Programming conducted by the Department of
Computer Science on 18 Dec, 23 & obtained grade O+ in the academic year 2023-2024

Nykhachome
Course Coordinator

[Signature]
Principal