



# PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

**Name of the School: School of Information Science**

**Name of the Department: Bachelor of Computer Application**

**Name of the Faculty Members: Ms. Shweta Singh, Mrs. Napa Lakshmi**

**Title of the Value Added Course: Basics of Python Programming**

**Course Duration: 30 hours**

**Course Code: CSE V007**

## **COURSE PREREQUISITES:**

The student is expected to have knowledge of basics of programming (C programming).

**Introduction to the Course:** This value added course provides the opportunity for the students to get familiarize with one of the most popular programming language of the time- Python and develop Python scripts using its powerful programming features like lists, tuples and dictionaries . Students will also be introduced to data visualization concepts using the popular packages.

**Course Outcomes: On successful completion of the course the students shall be able to :**

01. Apply basic programming concepts to solve problems.
02. Apply data structures using python.
03. Employ data visualization using python modules.

## **Course Content:**

Basics of Python programming, Operators and expressions, Decision statements, Loop control statements, Functions, Lists, List processing :Searching and Sorting, Nested list, List comprehension, Tuples and Dictionaries, Modules and packages for data visualization.

## **DELIVERY PROCEDURE (PEDAGOGY):**

Self-learning topics: Numeric and Mathematical Modules, Built-in Functions in python.

Experiential Learning: Students should complete lab programs by the end of each practical session or before the next session . Submit topic-wise assignment before deadline.

**Ms. Shweta Singh, Mrs. Napa Lakshmi**

**Name & Signature of the Faculty Member  
HOD.**

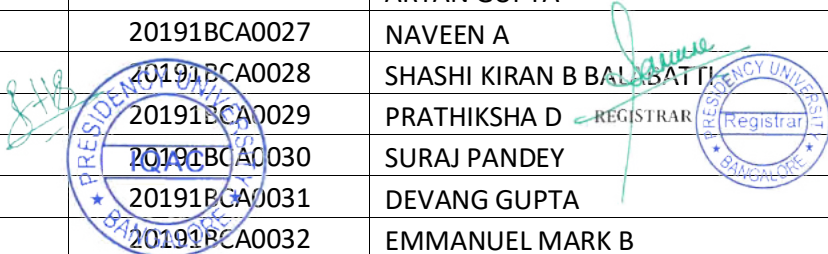


**Approval by the**

## Value Added Course Attendance

### School of Information Science

Course Code :	CSE V007				2019-2020
Course Name :	Basics Of Python Programming				Even Semester
S. No	Roll No	Name	Total no of classes	Percentage of classes attended	Eligible for Certificate (Y/N)
1	20191BCA0001	AAFREEN FIROZ	30	78.43	Y
2	20191BCA0002	ABHIJEET PAUL	30	90.2	Y
3	20191BCA0003	ABHISHEK ADHIKARI	30	80.39	N
4	20191BCA0004	ABHISHEK GAUTAM	30	96.08	Y
5	20191BCA0005	ADITYA VENKATASUNDARAM	30	80.39	Y
6	20191BCA0006	ANMOL VASHISHTH	30	98.04	Y
7	20191BCA0007	AYUSH KUMAR	30	80.39	Y
8	20191BCA0008	DIVYASHREE S	30	100	N
9	20191BCA0009	DUDDEKUNTA VENKATA SAINATH REDDY	30	86.27	Y
10	20191BCA0010	HARSHAVARDHAN S R	30	100	Y
11	20191BCA0011	IBRAHIM AFLAH NIHAL T A	30	96.08	Y
12	20191BCA0012	NIRANJANA D	30	55	Y
13	20191BCA0013	PRIYANKA S P	30	100	N
14	20191BCA0014	PUCHA VIJAY KUMAR REDDY	30	55.7	N
15	20191BCA0015	ROHIT MALAKAR	30	94.12	N
16	20191BCA0016	SAMYUKTAM	30	92.16	Y
17	20191BCA0017	SANNIDHI BHASKARA LAKSHMI GANESH	30	86.27	Y
18	20191BCA0018	SHREYAS N GOWDA	30	94.12	Y
19	20191BCA0019	SIMRAN SINGH	30	32.15	Y
20	20191BCA0020	VARSHA N C	30	43.2	Y
21	20191BCA0021	VENKAT PAWAN N	30	90.2	Y
22	20191BCA0022	VINODHINI S	30	94.12	N
23	20191BCA0023	ZALA VIVEK RAMSIBHAI	30	100	Y
24	20191BCA0024	TEJAS V	30	92.16	Y
25	20191BCA0026	ARYAN GUPTA	30	92.16	Y
26	20191BCA0027	NAVEEN A	30	100	Y
27	20191BCA0028	SHASHI KIRAN B BALASATTI	30	34.5	Y
28	20191BCA0029	PRATHIKSHA D	30	55.17	Y
29	20191BCA0030	SURAJ PANDEY	30	60.25	N
30	20191BCA0031	DEVANG GUPTA	30	92.16	Y
31	20191BCA0032	EMMANUEL MARK B	30	100	Y



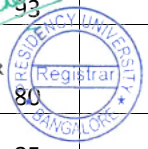
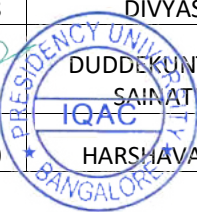
32	20191BCA0033	PUTTA TEJESWAR REDDY	30	84.31	N
33	20191BCA0034	SRINIDHI	30	98.04	Y
34	20191BCA0037	SHIV KUMAR	30	98.04	N
35	20191BCA0035	MANISH PUN	30	20.12	Y
36	20191BCA0036	BANDARU SASIKIRAN	30	100	Y
37	20191BCA0038	RISHAB RAJ	30	88.24	Y
38	20191BCA0039	CHIRAG	30	65	Y
39	20191BCA0040	SURYANSH	30	92.16	Y
Name of Course Instructor 1:		Ms. Shweta Singh,			
Employee ID of Course Instructor 1:					
Name of Course Instructor 2:		Mrs. Napa Lakshmi			
Employee ID of Course Instructor 2:					Approved by HOD

*Chirag*

**Value Added Course Marksheet**  
**School of Information Science**

<b>CSEV007</b>		Academic Year :	<b>2019-2020</b>	
<b>Basics of Python Programming</b>		Semester :	<b>1st Sem</b>	
		Instructor-in-Charge Name :	<b>Mr. Jobin Thomas</b>	
		Instructor-in-Charge Employee ID :	<b>Ms. Swetha Singh</b>	

S. No	Roll No	Name	School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20191BCA0001	AAFREEN FIROZ	SOIS	78.43	66	Y	NA
2	20191BCA0002	ABHIJEET PAUL	SOIS	90.2	60	Y	NA
3	20191BCA0003	ABHISHEK ADHIKARI	SOIS	80.39	67	Y	NA
4	20191BCA0004	ABHISHEK GAUTAM	SOIS	96.08	70	Y	NA
5	20191BCA0005	ADITYA VENKATASUNDARAM	SOIS	80.39	40	N	NA
6	20191BCA0006	ANMOL VASHISHTH	SOIS	98.04	80	Y	NA
7	20191BCA0007	AYUSH KUMAR	SOIS	80.39	100	Y	NA
8	20191BCA0008	DIVYASHREE S	SOIS	100	93	Y	NA
9	20191BCA0009	DUDDEKUNTA VENKATA SAINATH REDDY	SOIS	86.27	80	Y	NA
10	20191BCA0010	HARSHAVARDHAN S R	SOIS	100	85	Y	NA

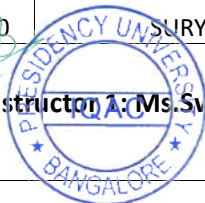


11	20191BCA0011	IBRAHIM AFLAH NIHAL T A	SOIS	96.08	100	Y	NA
12	20191BCA0012	NIRANJANA D	SOIS	55	30	N	NA
13	20191BCA0013	PRIYANKA S P	SOIS	100	80	Y	NA
14	20191BCA0014	PUCHA VIJAY KUMAR REDDY	SOIS	55.7	43	N	NA
15	20191BCA0015	ROHIT MALAKAR	SOIS	94.12	87	Y	NA
16	20191BCA0016	SAMYUKTAM	SOIS	92.16	87	Y	NA
17	20191BCA0017	SANNIDHI BHASKARA LAKSHMI GANESH	SOIS	86.27	79	Y	NA
18	20191BCA0018	SHREYAS N GOWDA	SOIS	94.12	100	Y	NA
19	20191BCA0019	SIMRAN SINGH	SOIS	32.15	39	N	NA
20	20191BCA0020	VARSHA N C	SOIS	43.2	48	N	NA
21	20191BCA0021	VENKAT PAWAN N	SOIS	90.2	78	Y	NA
22	20191BCA0022	VINODHINI S	SOIS	94.12	68	Y	NA
23	20191BCA0023	ZALA VIVEK RAMSIBHAI	SOIS	100	84	Y	NA
24	20191BCA0024	TEJAS V	SOIS	92.16	80	Y	NA
25	20191BCA0026	ARYAN GUPTA	SOIS	92.16	93	Y	NA
26	20191BCA0027	NAVEEN A	SOIS	100	87	Y	NA
27	20191BCA0028	SHASHI KIRAN B BALABATTI	SOIS	34.5	36	N	NA
28	20191BCA0029	PRATHIKSHA D	SOIS	55.17	42	N	NA
29	20191BCA0030	SURAJ PANDEY	SOIS	60.25	33	N	NA
30	20191BCA0031	DEVANG GUPTA	SOIS	92.16	92	Y	NA
31	20191BCA0032	EMMANUEL MARK B	SOIS	100	65	Y	NA
32	20191BCA0033	PUTTA TEJESWAR REDDY	SOIS	84.31	71	Y	NA
33	20191BCA0034	SRINIDHI	SOIS	98.04	77	Y	NA
34	20191BCA0037	SHIV KUMAR	SOIS	98.04	66	Y	NA
35	20191BCA0035	MANISH PUN	SOIS	20.12	29	N	NA
36	20191BCA0036	BANDARU SASIKIRAN	SOIS	100	87	Y	NA
37	20191BCA0038	RISHAB RAJ	SOIS	88.24	63	Y	NA
38	20191BCA0039	CHIRAG	SOIS	65	31	N	NA
39	20191BCA0040	SURYANSH	SOIS	92.16	68	Y	NA

Name of Course Instructor 1: Ms.Svetha Singh

REGISTRAR

Registrar



*Svetha*

					Signature of Instructor-in-Charge



# PRESIDENCY UNIVERSITY

(Established under the Presidency University Act, 2013 of the Karnataka Act 41 of 2013)

**Name of the School: School of Information Science**

**Name of the Department: Bachelor of Computer Applications**

**Area of Specialization: Bigdata**

**Name of the Faculty Member: Dr. Manujakshi B C**

**Title of the Value Added Course: Basics of Java Programming**

**Course Duration: [ 30 hours] [From Jan 10<sup>th</sup> 2019]**

**Course Code: CSE V 122**

## Introduction to the Course:

This course introduces the core concepts of object-oriented programming. This course has theory and lab component which emphasizes on understanding the implementation and application of object-oriented programming paradigm. It helps the student to build real time secure applications by applying these concepts and also for effective problem solving. The students interpret and understand the need for object oriented programming to build applications.

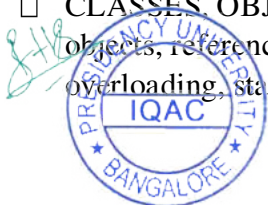
**Course Pre-requisites:** Basic Programming Knowledge

**Course Outcomes:** On successful completion of the course the students shall be able to : 01: Write programs using basic concepts.

**02: Apply the concept of arrays, strings, polymorphism & inheritance and exceptions.**

## Course Content:

- Introduction to Object Oriented Programming, Java Evolution, and How Java differs from C++, Features of Java, Java Environment: Installing JDK (JVM, JRE), Java Source File Structure, Compilation and Execution of Java Programs. TOKENS: Data types, Variables, Operators, Control Statements, Command Line Arguments.
- CLASSES, OBJECTS, AND METHODS: Defining a class, access specifiers, instantiating objects, reference variable, accessing class members and methods, constructors, method overloading, static members, static methods, inner class, Wrapper class ,



- Defining an Array, Initializing & Accessing Array, Multi –Dimensional Array. Passing arrays to method, returning arrays. Creating Strings & Operation on String. Defining a subclass, Types of



Inheritance, Method overriding, Dynamic method invocation. Interface -  
 Definition, Implementing interface, abstract methods.

☐ Exceptions: Types of Exceptions, Handling the Exception with try, catch, finally.

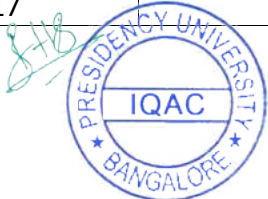
MANUJAKSHI B C

Name & Signature of the Faculty Member



Approval by the HOD.

Presidency University, Bengaluru					
Value Added Course Attendance					
School of Information Science					
Course Code :	CSE V122				2019-2020
Course Name :	Basics of Java Programming				ODD Semester
S. No	Roll No	Name	Total no of Classes	Percentage of attendance	Eligible for Certificate (Y/N)
1	20191BCA0001	AAFREEN FIROZ	30	80.39	Y
2	20191BCA0002	ABHIJEET PAUL	30	92.16	Y
3	20191BCA0003	ABHISHEK ADHIKARI	30	33.3	N
4	20191BCA0004	ABHISHEK GAUTAM	30	100	Y
5	20191BCA0005	ADITYA VENKATASUNDARAM	30	100	Y
6	20191BCA0006	ANMOL VASHISHTH	30	55.35	N
7	20191BCA0007	AYUSH KUMAR	30	88.24	Y
8	20191BCA0008	DIVYASHREE S	30	94.12	Y
9	20191BCA0009	DUDEKUNTA VENKATA SAINATH REDDY	30	60.12	N
10	20191BCA0010	HARSHAVARDHAN S R	30	69.05	N
11	20191BCA0011	IBRAHIM AFLAH NIHAL T A	30	88.24	Y
12	20191BCA0012	NIRANJANA D	30	96.08	Y
13	20191BCA0013	PRIYANKA S P	30	100	Y
14	20191BCA0014	PUCHA VIJAY KUMAR REDDY	30	94.12	Y
15	20191BCA0015	ROHIT MALAKAR	30	96.08	Y
16	20191BCA0016	SAMYUKTAM	30	96.08	Y
17	20191BCA0017	SANNIDHI BHASKARA LAKSHMI GANESH	30	55.78	N



18	20191BCA0018	SHREYAS N GOWDA	30	95.24	Y
19	20191BCA0019	SIMRAN SINGH	30	98.04	Y
20	20191BCA0020	VARSHA N C	30	90.2	Y
21	20191BCA0021	VENKAT PAWAN N	30	95.45	Y
22	20191BCA0022	VINODHINI S	30	77.27	Y
23	20191BCA0023	ZALA VIVEK RAMSIBHAI	30	34.2	N
24	20191BCA0024	TEJAS V	30	60.75	N
25	20191BCA0026	ARYAN GUPTA	30	75.5	N
26	20191BCA0027	NAVEEN A	30	84.09	Y
27	20191BCA0028	SHASHI KIRAN B BALABATTI	30	100	Y
28	20191BCA0029	PRATHIKSHA D	30	95.45	Y
29	20191BCA0030	SURAJ PANDEY	30	45.5	N
30	20191BCA0031	DEVANG GUPTA	30	100	Y
31	20191BCA0032	EMMANUEL MARK B	30	97.73	Y
32	20191BCA0033	PUTTA TEJESWAR REDDY	30	55.75	N
33	20191BCA0034	SRINIDHI	30	93.18	Y
34	20191BCA0037	SHIV KUMAR	30	86.36	Y
35	20191BCA0035	MANISH PUN	30	67.89	N
36	20191BCA0036	BANDARU SASIKIRAN	30	93.18	Y
37	20191BCA0038	RISHAB RAJ	30	93.18	Y
38	20191BCA0039	CHIRAG	30	88.64	Y
39	20191BCA0040	SURYANSH	30	93.18	N
Name of Course Instructor 1: Dr. Manujakshi B C					<i>Manujakshi B C</i>
Employee ID of Course Instructor 1:					

### Value Added Course Marksheet

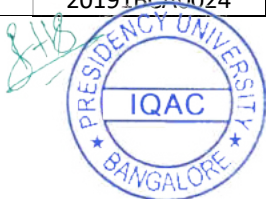
#### School of Information Science

Course Code : CSEV 122	Academic Year :	2019-2020
Course Name : Basics of java programming	Semester :	1st Sem
	Instructor-in-Charge Name :	Mr.Jobin Thomas
	Instructor-in-Charge Employee ID :	Dr.Manujakshi B C





S. No	Roll No	Name	School School (e.g. SoE/SoL etc)	Attendance (in %)	Marks (100)	Eligible for Certificate (Y/N)	Remark
1	20191BCA0001	AAFREEN FIROZ	SOIS	80.39	90	Y	NA
2	20191BCA0002	ABHIJEET PAUL	SOIS	92.16	77	Y	NA
3	20191BCA0003	ABHISHEK ADHIKARI	SOIS	33.3	25	N	NA
4	20191BCA0004	ABHISHEK GAUTAM	SOIS	100	88	Y	NA
5	20191BCA0005	ADITYA VENKATASUNDARAM	SOIS	100	86	Y	NA
6	20191BCA0006	ANMOL VASHISHTH	SOIS	55.35	37	N	NA
7	20191BCA0007	AYUSH KUMAR	SOIS	88.24	77	Y	NA
8	20191BCA0008	DIVYASHREE S	SOIS	94.12	73	Y	NA
9	20191BCA0009	DUDEKUNTA VENKATA SAINATH REDDY	SOIS	60.12	35	N	NA
10	20191BCA0010	HARSHAVARDHAN S R	SOIS	69.05	33	N	NA
11	20191BCA0011	IBRAHIM AFLAH NIHAL T A	SOIS	88.24	72	Y	NA
12	20191BCA0012	NIRANJANA D	SOIS	96.08	82	Y	NA
13	20191BCA0013	PRIYANKA S P	SOIS	100	84	Y	NA
14	20191BCA0014	PUCHA VIJAY KUMAR REDDY	SOIS	94.12	81	Y	NA
15	20191BCA0015	ROHIT MALAKAR	SOIS	96.08	78	Y	NA
16	20191BCA0016	SAMYUKTAM	SOIS	96.08	79	Y	NA
17	20191BCA0017	SANNIDHI BHASKARA LAKSHMI GANESH	SOIS	55.78	28	N	NA
18	20191BCA0018	SHREYAS N GOWDA	SOIS	95.24	81	Y	NA
19	20191BCA0019	SIMRAN SINGH	SOIS	98.04	85	Y	NA
20	20191BCA0020	VARSHA N C	SOIS	90.2	93	Y	NA
21	20191BCA0021	VENKAT PAWAN N	SOIS	95.45	71	Y	NA
22	20191BCA0022	VINODHINI S	SOIS	77.27	87	Y	NA
23	20191BCA0023	ZALA VIVEK RAMSIBHAI	SOIS	34.2	20	N	NA
24	20191BCA0024	TEJAS V	SOIS	60.75	33	N	NA



25	20191BCA0026	ARYAN GUPTA	SOIS	75.5	38	N	NA
26	20191BCA0027	NAVEEN A	SOIS	84.09	76	Y	NA
27	20191BCA0028	SHASHI KIRAN B BALABATTI	SOIS	100	73	Y	NA
28	20191BCA0029	PRATHIKSHA D	SOIS	95.45	77	Y	NA
29	20191BCA0030	SURAJ PANDEY	SOIS	45.5	32	N	NA
30	20191BCA0031	DEVANG GUPTA	SOIS	100	80	Y	NA
31	20191BCA0032	EMMANUEL MARK B	SOIS	97.73	82	Y	NA
32	20191BCA0033	PUTTA TEJESWAR REDDY	SOIS	55.75	26	N	NA
33	20191BCA0034	SRINIDHI	SOIS	93.18	93	Y	NA
34	20191BCA0037	SHIV KUMAR	SOIS	86.36	100	Y	NA
35	20191BCA0035	MANISH PUN	SOIS	67.89	18	N	NA
36	20191BCA0036	BANDARU SASIKIRAN	SOIS	93.18	100	Y	NA
37	20191BCA0038	RISHAB RAJ	SOIS	93.18	100	Y	NA
38	20191BCA0039	CHIRAG	SOIS	88.64	71	Y	NA
39	20191BCA0040	SURYANSH	SOIS	93.18	86	N	NA

Name of the Instructor : Dr.Manujakshi B C

*Manujakshi B C*

Signature of Instructor-in-Charge

