

# ST.ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## LESSON PLAN

NAME OF THE SUBJECT: **Python Programming**

ACADAMIC YEAR: **2017-18**

YEAR-SEM. : **II B.TECH- I SEM**

BRANCH & SECTION: **CSE - A**

NAME OF THE FACULTY: **CH.RAJU**

NO. OF LECTURES PER WEEK : **4+2\* (TUTORIAL)**

S.no	Date	UNIT	Topic
1	13-06-2017	<b>I</b>	Introduction to python
2	13-06-2017		History of Python
3	14-06-2017		Need of Python Programming, Applications
4	15-06-2017		Basics of Python Programming Using the REPL(Shell)
5	16-06-2017		Running Python Scripts
6	17-06-2017		Variables, Assignment, Keywords
7	20-06-2017		Tutorial
8	20-06-2017		Tutorial
9	21-06-2017		Input-Output, Indentation.
10	22-06-2017		Revision of unit-1 through NPTEL videos
11	23-06-2017		Unit-1 Slip test
12	24-06-2017		<b>II</b>
13	27-06-2017	Tutorial	
14	27-06-2017	Tutorial	
15	28-06-2017	Types - Integers, Strings, Booleans;	
16	29-06-2017	Operators- Arithmetic , Comparison (Relational), Assignment, Logical, Bitwise	
17	30-06-2017	Membership Operators, Identity Operators	
18	07.01.2017	Expressions and order of evaluations	
19	07.04.2017	Tutorial	
20	07.04.2017	Tutorial	
21	07.05.2017	Control Flow- if, if-elif-else, for, while	
22	07.06.2017	Contd.. Control Flow- if, if-elif-else, for, while,	
23	07.07.2017	break, continue, pass	
24	07.11.2017	Tutorial	
25	07.11.2017	Tutorial	
26	07.12.2017	Unit-2 Slip test	
27	13/7/2017	<b>III</b>	unit-2 objective test , introduction to unit-3
28	14/7/2017		Data Structures Lists
29	15/7/2017		Operations
30	18/7/2017		Tutorial
31	18/7/2017		Tutorial
32	19/7/2017		Slicing
33	20/7/2017		Methods
34	21/7/2017		Tuples, Sets, Dictionaries
35	22/7/2017		Sequences, Comprehensions
36	25/7/2017		Tutorial
37	25/7/2017	Tutorial	
38	26/7/2017	<b>IV</b>	Introduction to unit-4, Functions - Defining Functions, Calling Functions
39	27/7/2017		arguments
40	28/7/2017		Anonymous Functions, Fruitful Functions(Function Returning Values),
41	29/7/2017		Scope of the Variables in a Function - Global and Local Variables
42	08.01.2017		Tutorial
43	08.01.2017		Tutorial
44	08.02.2017		Modules: Creating modules
45	08.03.2017		Contd.. Modules
46	08.04.2017	import statement, from. Import statement	
47	08.05.2017	name spacing	
48	08.08.2017	<b>mid-1</b>	Tutorial
49	08.08.2017		Tutorial
50	08.09.2017		Revision of Unit-2
51	08.10.2017		Revision of Unit-3
52	08.11.2017		Previous Questions Explanaton
53	08.12.2017	Previous Questions Explanaton	
54	16/8/2017		Python packages, Introduction to PIP
55	17/8/2017		Installing Packages via PIP, Using Python Packages

56	18/8/2017	IV	Revision of Unit-4 through NPTEL videos
57	19/8/2017		unit-4 slip test
58	22/8/2017		Tutorial
59	22/8/2017		Tutorial
60	23/8/2017	V	unit-4 objective test and introduction to unit-5
61	24/8/2017		Object Oriented Programming OOP in Python: Classes
62	29/8/2017		Tutorial
63	29/8/2017		Tutorial
64	30/8/2017		self variable'
65	31/8/2017		Methods, Constructor Method
66	09.01.2017		Inheritance
67	09.05.2017		Tutorial
68	09.05.2017		Tutorial
69	09.06.2017		Overriding Methods, Datahiding
70	09.07.2017		Error and Exceptions: Difference between an error and Exception, Handling Exception
71	09.08.2017		try except block
72	09.09.2017		Raising Exceptions
73	09.12.2017		Tutorial
74	09.12.2017		Tutorial
75	13/9/2017	User Defined Exceptions	
76	14/9/2017	Revision of Unit-5 through NPTEL videos	
77	15/9/2017	Unit-5 slip test	
78	16/9/2017	VI	Unit-5 objective test, Introduction to Unit-6
79	19/9/2017		Tutorial
80	19/9/2017		Tutorial
81	20/9/2017		Brief Tour of the Standard Library - Operating System Interface
82	21/9/2017		String Pattern Matching
83	22/9/2017		Mathematics, Internet Access
84	23/9/2017		Dates and Times, Data Compression
85	26/9/2017		Tutorial
86	26/9/2017		Tutorial
87	27/9/2017		Multithreading
88	10.03.2017		GUI Programming
89	10.03.2017		Turtle Graphics
90	10.04.2017		Testing: Why testing is required ?, Basic concepts of testing
91	10.05.2017		Unit testing in Python
92	10.06.2017		Writing Test cases, Running Tests
93	10.07.2017	Revision of Unit-6 through NPTEL videos	
94	10.10.2017	Mid-2	Previous Questions Explanaton
95	10.10.2017		Previous Questions Explanaton
96	10.11.2017		Previous Questions Explanaton
97	10.12.2017		Previous Questions Explanaton
98	13/10/2017		Previous Questions Explanaton
99	14/10/2017		Previous Questions Explanaton

### TEXT BOOKS

1. Python Programming: A Modern Approach, Vamsi Kurama, Pearson
2. Learning Python, Mark Lutz, Orielly

### Reference Books:

1. Think Python, Allen Downey, Green Tea Press
2. Core Python Programming, W.Chun, Pearson.
3. Introduction to Python, Kenneth A. Lambert, Cengage

Signature of the Faculty

Signature of the HOD