

ST.ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

LESSON PLAN

SUBJECT: **Python Programming**

ACADAMIC YEAR: **2019-20**

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

BRANCH & SECTION: **CSE – A**

NAME OF THE FACULTY: **K.SUBBA RAO**

NO. OF LECTURES PER WEEK : **5+1* (TUTORIAL)**

Sl No	UNIT	Date	Topic
1	I	10-Jun-19	Unit 1: Introduction:History of Python
2		11-Jun-19	Need of Python Programming
3		12-Jun-19	Applications of Python
4		13-Jun-19	Basics of Python Programming Using the REPL(Shell)
5		14-Jun-19	Writing and Running Python Scripts
6		15-Jun-19	Identifiers and Variables
7		17-Jun-19	Assignment, Keywords
8		18-Jun-19	Input-Output, Indentation.
9		19-Jun-19	Tutorial
10		20-Jun-19	Unit I Revision
11		21-Jun-19	Unit-1 Slip test
12	II	22-Jun-19	Unit 2: Introduction -Types - Integers,
13		24-Jun-19	Strings, Booleans;
14		25-Jun-19	Operators- Arithmetic , Comparison (Relational), Assignment, Logical, Bitwise
15		26-Jun-19	Tutorial
16		27-Jun-19	Membership Operators, Identity Operators,Expressions and order of evaluations
17		28-Jun-19	Control Flow- if, if-elif-else,
18		29-Jun-19	for, while,
19		1-Jul-19	break, continue, pass
20		2-Jul-19	Revision of unit-2:NPTEL/PPT
21		3-Jul-19	Tutorial
22		4-Jul-19	Unit-2 Slip test
23	III	5-Jul-19	Unit-3: introduction -Data Structures Lists -Operations
24		6-Jul-19	Slicing, list methods
25		8-Jul-19	Tuples
26		9-Jul-19	operations on Sets
27		10-Jul-19	Tutorial
28		11-Jul-19	Dictionaries
29		12-Jul-19	Sequences,
30		15-Jul-19	Comprehensions
31		16-Jul-19	Example programs using lists and tuples
32		17-Jul-19	Tutorial
33		18-Jul-19	Example programs using sets and dictionaries
34	IV	19-Jul-19	Unit-4: Functions - Defining Functions, Calling Functions
35		20-Jul-19	Passing Arguments, Keyword Arguments,
36		22-Jul-19	Default Arguments, Variable-length arguments
37		23-Jul-19	Anonymous Functions, Fruitful Functions(Function Returning Values),
38		24-Jul-19	Tutorial
39		25-Jul-19	Scope of the Variables in a Function - Global and Local Variables
40		26-Jul-19	Creating modules, importing modules, from statement,
41		27-Jul-19	name spacing
42		29-Jul-19	packages, Introduction to PIP
43		30-Jul-19	Installing Packages via PIP, Using Python Packages
44		31-Jul-19	Tutorial
45	1-Aug-19	Revision of 4th unit	
46	MID-1	2-Aug-19	Revision of Unit-1
47		3-Aug-19	Revision of Unit-2
48		5-Aug-19	mid1
49		6-Aug-19	mid1
50		7-Aug-19	mid1

51		8-Aug-19	mid1
52		9-Aug-19	mid1
53		10-Aug-19	mid1
54	IV	13-Aug-19	Tutorial
55		14-Aug-19	unit-4 slip test
56	V	16-Aug-19	Unit-5: OOP Concepts
57		17-Aug-19	Object Oriented Programming OOP in Python: Classes
58		19-Aug-19	self variable', Methods
59		20-Aug-19	Tutorial
60		21-Aug-19	Constructor Method
61		22-Aug-19	Inheritance
62		26-Aug-19	Types of Inheritance
63		27-Aug-19	Overriding Methods, Datahiding
64		28-Aug-19	Tutorial
65		29-Aug-19	Difference between an error and Exception, Handling Exception
66		30-Aug-19	try except block,
67		31-Aug-19	Raising Exceptions
68		3-Sep-19	User Defined Exceptions
69		4-Sep-19	Tutorial
70		5-Sep-19	User Defined Exceptions
71		6-Sep-19	Unit-5 revision
72		7-Sep-19	Unit 5 Slip Test
73	VI	9-Sep-19	Unit 6: Introduction
74		11-Sep-19	Brief Tour of the Standard Library - Operating System Interface
75		12-Sep-19	String Pattern Matching
76		13-Sep-19	Mathematics, Internet Access,
77		16-Sep-19	Dates and Times, Data Compression,
78		17-Sep-19	Multithreading
79		18-Sep-19	Tutorial
80		19-Sep-19	GUI Programming
81		20-Sep-19	GUI Programming
82		21-Sep-19	Turtle Graphics
83		23-Sep-19	Basic concepts of testing,unit testing, writing and running tests
84		24-Sep-19	Revision of Unit-6:NPTEL/PPT
85		25-Sep-19	Tutorial
86	MID-2	26-Sep-19	Revision of Unit-4
87		27-Sep-19	Revision of Unit-5
88		28-Sep-19	Revision of Unit-6
89		30-Sep-19	Previous Questions Explanation
90		1-Oct-19	Previous Questions Explanation
91		3-Oct-19	Previous Questions Explanation
92		4-Oct-19	Previous Questions Explanation
93		5-Oct-19	Previous Questions Explanation
94		7-Oct-19	mid2
95		9-Oct-19	mid2
96		10-Oct-19	mid2
97		11-Oct-19	mid2
98	12-Oct-19	mid2	

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 HOD