

Bhoj Reddy Engineering College for Women: Hyderabad

Department of Information Technology

Lesson plan of faculty member for the academic year 2020–21

Class: IV B Tech

Branch-Section: IT-A

Semester: I

Subject: Python Programming

Lectures per week: 3

S.NO	Topics to be covered	Date (s)
UNIT- I: Python Basics		
1	Python Objects	01 September 2020
2	Standard Types, Other Built-in Types	02 September 2020
3	Internal Types	07 September 2020
4	Standard Type Operators	08 September 2020
5	Standard Type Built-in Functions	09 September 2020
6	Categorizing the Standard Types, Unsupported Types	14 September 2020
7	Introduction to Numbers, Operators	15 September 2020
8	Built-in Functions	16 September 2020
9	Related Modules, Sequences	21 September 2020
10	Strings, Lists, Tuples	22 September 2020
11	Mapping and Set Types	23 September 2020
UNIT- II: FILES		
12	File Objects, File Built-in Function	23 September 2020
13	File Built-in Methods, Standard Files	28 September 2020
14	File System, File Execution	29 September 2020
15	Persistent Storage Modules, Related Modules	30 September 2020
16	Exceptions in Python, Detecting and Handling Exceptions	05 October 2020
17	Modules and Files	06 October 2020
18	Importing Modules, Importing Module Attributes,	07 October 2020
19	Module Built-in Functions	12 October 2020
20	Packages, Other Features of Modules	13 October 2020
UNIT- III: Regular Expressions		
21	Introduction, Special Symbols and Characters	13 October 2020
22	Res and Python	14 October 2020
23	Introduction, Threads and Processes	26 October 2020
24	Python, Threads, and the Global Interpreter Lock	27 October 2020
25	Thread Module	28 October 2020
26	Threading Module	09 November 2020
27	Related Modules	10 November 2020
28	Related Modules Examples	11 November 2020
UNIT- IV: GUI Programming		
29	Introduction, Tkinter and Python Programming	16 November 2020
30	Brief Tour of Other GUIs	17 November 2020
31	Related Modules and Other GUIs	18 November 2020
32	WEB Programming: Introduction, Web Surfing with Python	23 November 2020
33	Creating Simple Web Clients, Advanced Web Clients	24 November 2020
34	CGI-Helping Servers Process Client Data	25 November 2020
35	Building CGI Application	01 December 2020
36	Advanced CGI, Web (HTTP) Servers	02 December 2020
UNIT- V: Database Programming		
37	Database Programming Introduction	07 December 2020
38	Data base Programming modules	08 December 2020

39	Module types used in DB	14 December 2020
40	Module functions in DB	15 December 2020
41	Example programs of python using different databases	16 December 2020
42	Python Database Application Programmer's Interface	21 December 2020
43	Python Database Application Programmer's Interface examples	22 December 2020
44	Object Relational Managers (ORMs)	23 December 2020
45	Revision of UNIT-I,II	28 December 2020
46	Revision of UNIT-III,IV	29 December 2020
47	Revision of UNIT-IV	30 December 2020

Text books:

1. Core Python Programming, Wesley J. Chun, Second Edition, Pearson.

Name and signature of the faculty: Siva Kumar S ----

Name and signature of Head of the Department: Dr. C Murugamani ----