Annexure 2.1.1

K. S. INSTITUTE OF TECHNOLOGY
#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-560109
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Course: Python Application Programming			
Academic year:2022-23		Batch: 2020-24	
Course In Charge: Dr. B. Surekha			
Type: Elective		Course Code:18EC646	

No of Hours per week			
Theory (Lecture Class)	Practical/Field Work/Allied Activities	Total/Week	Total teaching hours
4	0	4	50

Marks			
Internal Assessment	Examination	Total	Credits
40	60	100	3

Aim/Objective of the Course:

This Course will enable students to:
1. Learn Syntax and Semantics and create Functions in Python.
2. Handle Strings and Files in Python.
3. Understand Lists, Dictionaries and Regular expressions in Python.
4. Implement Object Oriented Programming concepts in Python
5. Build Web Services and introduction to Network and Database Programming in python

Course Learning Outcomes: At the end of the course, the student will be able to,

CO1	**Make use of** Python syntax and semantics, and **build** functions with variables, expressions, and statements.	Applying(K3)
CO2	**Utilize** the concepts of Iterations and Strings to **model** File Systems.	Applying(K3)
CO3	**Make use of** core data structures like Lists, Dictionaries and Regular Expressions to **build** Python programs.	Applying(K3)
CO4	**Apply** classes, objects, and functions to **develop** Object-Oriented Programs in Python.	Applying(K3)
CO5	**Make use of** Network Programming, Web Services and Databases to **construct** exemplary applications related to Python.	Applying(K3)

CO	Bloo	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PS	PS
CO	K3	3	3	1	1	2	3	3		3	3	1	2	3	2
CO	K3	3	3	1	1	2	3	3		3	3	1	2	3	2
CO	K3	3	2	1	1	2	1	1		1	1	1	1	2	2
CO	K3	3	2	1	1	2	1	1		1	1	1	1	2	2
CO	K3	3	3	3	2	2	1	1		1	1	1	2	3	2
18EC646 before CBS	3	2	2	1.2	-	-	-	-	-	-	-	-	3	2	
Strength for Content Beyond Syllabus activity: Power Point Presentatio n	-	-	-	-	**2**	**1.8**	**1.8**	-	**1.8**	**1.8**	**1**	**1.6**	-	-	
18EC646 after CBS	3	2.6	1.4	1.2	**2**	**1.8**	**1.8**	_	**1.8**	**1.8**	**1**	**1.6**	2.6	2	