

19CS3453

### Python Programming

<b>Offering Branches</b>	CSE		
<b>Course Category:</b>	Program Core	<b>Credits:</b>	1
<b>Course Type:</b>	Practical	<b>Lecture-Tutorial-Practical:</b>	0-0-2
<b>Prerequisites:</b>	Problem solving and programming	<b>Continuous Evaluation:</b>	25
		<b>Semester End Evaluation:</b>	50
		<b>Total Marks:</b>	75
<b>Course Content</b>			
<b>1.</b>	Demonstrate programs using basic constructs of Python.		
<b>2.</b>	Build modular programs using functions.		
<b>3.</b>	Implement Python Programs using lists, tuples and dictionaries		
<b>4.</b>	Develop programs to perform searching and sorting		
<b>5.</b>	Apply object oriented concepts for solving problems		
<b>6.</b>	Implement Python Programs to perform operations on linked list		
<b>7.</b>	Implement Python Programs to perform operations on stack		
<b>8.</b>	Implement Python Programs to perform operations on queue		
<b>9.</b>	Implement Python Programs to perform operations on tree		
<b>10.</b>	Develop an application using python packages		
<b>Learning Resources</b>			
<b>e- Resources &amp; other digital material</b>			
1. <a href="https://docs.python.org/3/tutorial/">https://docs.python.org/3/tutorial/</a>			
2. <a href="https://www.w3schools.com/python/">https://www.w3schools.com/python/</a>			

3. <https://www.tutorialspoint.com/python/index.htm>