ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY, CHIKKAMAGALUR

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

<u>Add-On course -for 7th Semester</u>

<u>Introduction to Python Programming</u>
<u>Duration: 22nd July - 26th July 2019 (30 hours)</u>

<u>Syllabus:</u>

<u>Module 1:</u>

Why should you learn to write programs, Variables, expressions and statements, Conditional execution, Functions

<u>Module 2:</u>

Iteration, Strings, Files

<u>Module 3:</u>

Lists, Dictionaries, Tuples, Regular Expressions
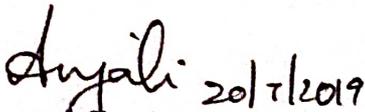
Course Outcomes

- Examine Python syntax and semantics and be fluent in the use of Python flow control and functions.
- Demonstrate proficiency in handling Strings and File Systems.
- Create, run and manipulate Python Programs using core data structures like Lists, Dictionaries and use Regular Expressions.
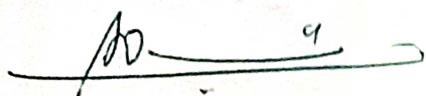
<u>Text Books:</u>

1. Charles R. Severance, "Python for Everybody: Exploring Data Using Python 3", 1st Edition, CreateSpace Independent Publishing Platform, 2016.
2. Allen B. Downey, "Think Python: How to Think Like a Computer Scientist", 2nd Edition, Green Tea Press, 2015.

<u>Websites:</u>
http://do1.drchuck.com/pythonlearn/EN_us/pythonlearn.pdf
http://greenteapress.com/thinkpython2/thinkpython2.pdf

Instructor's Signature   20/7/2019

HOD's Signature
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