COMPUTATIONAL THINKING WITH PROGRAMMING

Course Type:	Foundation		L	T	P	Credits
			2	1	4	5

COURSE CREDITS

COURSE OUTCOME

Implement	CLO1: Implement a given algorithm in Python by using standard programming constructs such as, repetitions, functions, modules, aggregated data (arrays, lists, etc.), etc.
Explain	CLO2: Explain the output of a given Python program and debug errors in a given Python program.
Write	CLO3: Write simple programs using the features of object-oriented programming language such as, encapsulation, polymorphism, inheritance, etc.

EVALUATION COMPONENT

Components of Course Evaluation	Percentage
Mid Term Examination	15
End Term Examination	25
Continuous Lab Evaluation	20
Quiz	10
Assignment	10
Project	20

EDX COURSES

- edX: Computing in Python I: Fundamentals and Procedural Programming (Georgia Tech.)

https://www.edx.org/course/computing-in-python-i-fundamentals-and-procedural-programming-2

- edX: Computing in Python II: Control Structures (Georgia Tech.)

https://www.edx.org/course/computing-in-python-ii-control-structures-2

- edX: Introduction to Python: Fundamentals (Microsoft)

https://www.edx.org/course/introduction-to-python-fundamentals-3

LAB TOOL

- **Lab Platform**
- CodeZinger (Continuous Labs & Exams)

- **IDE**
- Jupyter Notebook (Anaconda Package)
- Colab (Google)
- Asure Notebook (Microsoft)

AFTER COMPLETING COURSE

We cannot guarantee that you will become like Kajal Agarwal

But a Python Expert !