



# Python Programming Language

ASSIGNMENT 2

SHARED WITH SECTIONS O, P

B.TECH 1<sup>ST</sup> YEAR CSE AIML

All questions are compulsory with neat and clean handwriting

Python3

- 1) What are the logical operators and bitwise operators in Python. Explain each with suitable examples.
- 2) What does a negative step size mean in Python range slicing (e.g. `s[5:1:-1]`)?. Write the statements to reverse the sequential data(e.g. string) using range slicing.
- 3) Write any five string methods in Python which returns integer only and explain each with suitable examples.
- 4) How many built-in functions are in python? Explain any four with suitable Examples
- 5) Write a Program to implement an autocomplete system. That is, given a query string `p` and a set of all possible query strings, return all strings in the set that have `p` as a prefix. For example, given the query string `"de"` and the set of strings `["dog", "deer", "deal"]` return `"deer"` , `"deal"`

# Assignment guidelines for students

- ▶ Students are required to prepare assignments in their own handwriting.
- ▶ Students must maintain academic integrity and work on the assignments at their own. Direct copying of assignments from another student(s) is prohibited. If found guilty, zero marks will be awarded to the student(s).
- ▶ Last Date for Submission of Assignments is **Monday, October 18, 2021** in there respective lecture timing.
- ▶ Late submission of assignments will not be accepted in any case and the students who fail to submit the assignments will be awarded zero marks.
- ▶ General Guidelines:
- ▶ Paper Size must be A4 (Standard white plain paper )
- ▶ Assignment should contain page numbers (1, 2, 3....) starting from first question.
- ▶ Page number should be placed at the bottom-center of page.
- ▶ Students must mention all the details on the title page as specified

Name of Student: \_\_\_\_\_ Program Name and Section: \_\_\_\_\_

Assignment No.: \_\_\_\_\_ Class Roll No. of Student: \_\_\_\_\_

Subject: \_\_\_\_\_

Faculty: \_\_\_\_\_

Date of Allotment: \_\_\_\_\_

Date of submission: \_\_\_\_\_