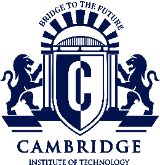
**CAMBRIDGE INSTITUTE OF TECHNOLOGY**

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**Application Development Using Python (18CS55)**

**MODULE-III**

1. Define regular expression. In detail explain the Regex pattern matching objects for RE.(parenthesis, pipe, ?, zero or more star, one or more plus)
2. Explain greedy and non-greedy matching. Explain findall() method.
3. List the character classes and explain with suitable examples.
4. Define caret, dollar sign, and wildcard characters.
5. Define re.IGNORECASE, re.DOTALL, re.VERBOSE.
6. Define the following: getcwd(), makedirs(), absolutepath, relativepath, chdir(), rmdir(), walk(), getsize(),checking path validity.
7. Differentiate between absolute and relative paths.
8. In detail explain file reading/writing process.
9. Explain shutil module in detail.
10. Explain the hierarchy of walking a directory tree.
11. Explain shelve module with example for printing and saving variables.
12. What is compressing files? Explain in detail.
13. Define and explain raise exception with example.
14. Define Assertions. Explain in detail.
15. Define logging and explain in detail.
16. Explain debug control window.

* Write a python program to create a folder PYTHON and under the hierarchy 3 files file1,file2 and file3.write the content in file1 as ”VTU” and in file2 as “UNIVERSITY” and file3 content should be by opening and merge of file1 and file2. Check out the necessary condition before write file3.
* Write a python program to create phone number and email address by using regular expression.