

**UNIT - I**

**BASICS OF PYTHON:** Entering and storing data, Binding values to names, More python syntax Basics, Reading and converting user Input; Making decisions, Conditions in python, Making decisions simple if statements, multiple choice decisions.

**UNIT-II**

**ITERATION AND LISTS:** Iteration - for and while loops, terminating the current Iteration, sequence; Containers - lists and tuples, writing lists and tuples; Accessing sequence values - manipulating lists and tuples.

**UNIT-III**

**SETS AND DICTS:** Sets and dicts, Creating sets, Working with sets, Working with dicts, Applying dicts - counting words.

**UNIT-IV**

**FORMATTING:** String Formatting, The format() method, Function arguments, Format field names. More about looping, Fun with the range() function, While loops and user input validation.

**UNIT - V**

**READING AND WRITING FILES:** Creating a new file, Writing to a file, Reading files as text, python's built-in functions, abs(x), bool(x), chr(i), The python standard library, Namespaces, python modules.