List of Practicals –

Python Programming Note:

• Recommended IDE for python – IDLE •

Exception handling concepts should be used with file handling programs.

1. Python installation and configuration with windows and Linux

2. Programs for understanding the data types, control flow statements, blocks and loops

3. Programs for understanding functions, use of built in functions, user defined functions

4. Programs to use existing modules, packages and creating modules, packages

5. Programs for implementations of all object-oriented concepts like class, method, inheritance, polymorphism etc. (Real life examples must be covered for the implementation of objectoriented concepts)

6. Programs for parsing of data, validations like Password, email, URL, etc.

7. Programs for Pattern finding should be covered.

8. Programs covering all the aspects of Exception handling, user defined exception, Multithreading should be covered.

9. Programs demonstrating the IO operations like reading from file, writing into file from different file types like data file, binary file, etc.

10. Programs to perform searching, adding, updating the content from the file.

11. Program for performing CRUD operation with MongoDB and Python

12. Basic programs with NumPy as Array, Searching and Sorting, date & time and String handling

13. Programs for series and data frames should be covered.

14. Programs to demonstrate data pre-processing and data handling with data frame

15. Program for data visualization should be covered.