# Python

| Day | Topics |
|-----|--------|
| 1 | Introduction to Python: Environment setup, Basic I/O. |
| 2 | Conditional Branching control statements: If-Else, elif. |
| 3 | Conditional looping control statements: while, do-while, for. |
| 4 | Functions-Function Arguments-Default, Keyword, Arbitrary |
| 5 | Functions-Recursion , Lambda function |
| 6 | Data Structures-List, Tuple, Stack , Queue |
| 7 | Data Structures -Dictionary, Set in details |
| 8 | Modules and Package-User program as modules and Packages. |
| 9 | Files-Different types of files-File operation. |
| 10 | Errors and Exceptions Handling-Errors. Assert, Try, except, Finally |
| 11 | Exceptions Try, Finally, User defined exception. |
| 12 | Object Oriented Programming-Class, Object, Inheritance, and Polymorphism. |
| 13 | Reference Types- Iterator, Generator. |
| 14 | Reference Types -Closure, Decorators. |
| 15 | Thread-Multithread. |
| 16 | Graphical User Interface-Textbox, Listbox, Option Button, Menu, Canvas. |
| 17 | Database Connectivity-Mysql, Create table, Insert table, View the table. |
| 18 | Networking-Client and server program. |
| 19 | Standard Library-Support the advanced library. |