 Cyber Prism Software Solutions

**Python Syllabus**

**Day 1**

Introduction

History   
Features   
Setting up path   
Working with Python   
Basic Syntax   
Variable and Data Types   
Operator

**Day 2**

Conditional Statements

If   
If- else   
Nested if-else

**Day 3**

Looping

For   
While   
Nested loops

**Day 4**

Control Statements

Break   
Continue   
Pass

**Day 5**

String Manipulation

Accessing Strings   
Basic Operations   
String slices   
Function and Methods

**Day 6**

Lists

Introduction   
Accessing list   
Operations   
Working with lists   
Function and Methods

**Day 7**

Tuple

Introduction   
Accessing tuples   
Operations   
Working   
Functions and Methods

**Day 8**

Dictionaries

Introduction   
Accessing values in dictionaries   
Working with dictionaries   
Properties   
Functions

**Day 9**

Functions

Defining a function   
Calling a function   
Types of functions   
Function Arguments   
Anonymous functions   
Global and local variables

**Day 10**

Modules

Importing module   
Math module   
Random module   
Packages   
Composition

**Day 11**

Input-Output

Printing on screen   
Reading data from keyboard   
Opening and closing file   
Reading and writing files   
Functions

**Day 12**

Exception Handling

Exception   
Exception Handling   
Except clause   
Try finally clause   
User Defined Exceptions

**Day 13**

Advanced

Lambda Expressions   
Map   
Reduce  
Filter

**13 days Basic Course**

**Day 14**

Introduction To Django

Introduction to MVC and MVT architecture in Web development

Django folder structure and flow of control

**Day 15**

Template Rendering

Basic HTML,CSS

Template Rendering.

**Day 16**

Django CRUD

CRUD Operations using Django.

**Day 17**

Django Databases

Table Relations in Django

Mysql , PostgreySql

**Day 18**

Introduction To Git

Version Control-Git

**Day 19- 30**

Sample Django Project

Sample Project