



Python With Django

(3 Months)

Module 1: Introduction to FrontEnd

Introduction to HTML

- Basic HTML document structure.
- HTML tags and elements.

Introduction to CSS

- Styling HTML elements with CSS.
- Basic layout and positioning.

Module 2: Responsive Design with Bootstrap and JavaScript

Introduction to Bootstrap

- Overview of Bootstrap framework.
- Integrating Bootstrap into projects.

Bootstrap Grid System

- Building responsive layouts with Bootstrap grid.
- Understanding breakpoints.

Bootstrap Components

- Utilizing Bootstrap components (navbar, cards, forms).
- Customizing Bootstrap styles.

Module 3: Introduction to Python:

- What is Python And Uses of python
- History of Python

Module 4: Styles of Python:

- Single Line to Multiline
- Statements
- Quotation
- Input / Output Methods
- Reserved KeyWords

Module 5: Object and Data Structure:

- Data Types
- Variables



- Assigning values to variables
- Python Objects

Module 6: Operators:

- Types of Operators
- Uses of Operators

Module 7: Type Conversion:

- Implicit / Explicit

Module 8: Control Flow and Control Structure:

- Conditions(if, else, etc)
- Loops (for, while, etc)

Module 9: Functions and Methods:

- Different types of parameters
- Return value
- Function Calling

Module 10: Object Oriented Programming:

- Objects
- Classes
- Inheritance
- Polymorphism
- Function/method Overloading
- Method Hiding

Module 11: Django:

- Introduction to Html and Css
- MVC in Django
- Model
- Views
- Setting
- Routers

Module 12: Major Project:

- Handling Django, Html and css
- Implementation of Create, Read, Update, and Delete (CRUD)