HTML –

1. Basics of HTML -

* Structure of an HTML Document (<!DOCTYPE html>, <html>, <head>, <body>)
* HTML Elements and Attributes

1. HTML Tags
2. Text Formatting Tags
3. HTML Forms & Inputs
4. Semantic HTML
5. HTML Elements and Attributes
6. Lists in HTML
7. Links and Navigation
8. Images in HTML
9. Tables in HTML
10. Forms and Input Elements
11. Multimedia Elements

CSS-

1. Basics of CSS

* Syntax and Selectors (class, id, element)
* Types of css - Inline, Internal, and External CSS

1. Box Model
2. CSS Selectors
3. CSS Flexbox & Grid
4. CSS Properties – text formatting
5. CSS Positioning & Display
6. Media Queries & Responsive Design
7. CSS Animations & Transitions
8. CSS Units & Measurements
9. CSS Colors & Backgrounds
10. CSS Shadows, Filters & Effects

JavaScript-

1. Introduction to JavaScript – variables, data types, operators & expressions
2. Control Structures – loops, conditional statements
3. Functions
4. DOM Manipulation
5. Event Handling
6. JavaScript Objects & Arrays
7. JavaScript Error Handling
8. Basic Fetch API
9. JavaScript Scope & Hoisting
10. JavaScript Asynchronous Programming
11. JavaScript Local Storage & Session Storage

Python –

1. Introduction to Python – features, uses, installation
2. Python Basics -variables, data types, operators & expressions, control statements,loops, functions
3. Object-Oriented Programming (OOP) in Python
4. Working with Files & Databases
5. Setting Up Python Development Environment

Django-

1. Introduction to Django

2. Django Models & Database

3. Django Views & Templates

4. Django Forms & Authentication

5. Django REST Framework (DRF) - Building APIs

6. Implementing Search, Filtering & Pagination

7. Connecting React with Django REST API

React JS –

1. Introduction to React.js
2. JSX & Components
3. Conditional Rendering in React
4. React State & Hooks
5. Life cycle methods
6. Lists & Keys in React
7. Event Handling & Forms in React
8. Routing in React (React Router)
9. API Calls & Fetching Data in React
10. DOM vs Virtual DOM
11. Forms & Form Validation
12. React Router
13. React Context API & State Management