==Full Stack Web Development==

==Course Syllabus==

1. **Introduction**
   - **What is Website & Web Application**
   - **Difference between website & Web application**
   - **What is Web Server**
   - **Requirements and technologies used in Full stack web Development**

2. **Starting With HTML**
   - **Introduction to html**
   - **Tags & its Types**
   - **Heading & Paragraph**
   - **Line Break, Horizontal & vertical Rule**
   - **Spacing**
   - **Marquee**

3. **List, Links, Images**
   - **List tag**
   - **Ordered & Unordered list**
   - **Link and Anchor tag**
   - **Internal & External Links**
   - **Link Targets**

4. **Tables & Form Creation**
   - **Table Creation And its Tags**
   - **Form Tags and Structure**
   - **Textbox, Checkbox, Radio Buttons**
   - **Button, Dropdown, password input, File Upload**

5. **Introduction to CSS**

- Introduction to CSS
- CSS Syntax
- Types of CSS file
- Class And Selectors
- Creating First CSS File

6. Box Models text & Fonts
  - Content
  - Padding, Border & Margen
  - Text & background Colour
  - Background Image
  - CSS Fonts
  - Text Alignment

7. Display & Positioning
  - Types of Display
  - Block And Inline Element
  - Float Property
  - CSS Position

8. Bootstrap
  - Introduction to bootstrap
  - What is CDN & how to include CDN
  - Themes in Bootstrap
  - Icons & Different Components In Bootstrap & how to use them

9. Start With Javascript
  - Introduction to Javascript
  - Why & Where to use Javascript
  - Javascript Display
  - Values & Variables

10. Dom & Datatypes
  - Introduction to DOM
  - What are datatypes & how to use it
  - Accessing arrays

- **Objects**

11. Functions, Conditions & Loops
- **JS Functions Syntax**
- **Function Return**
- **If - Else Condition**
- **Switch Statement**
- **For & While Loop**
- **Break**

12. Start With Python
- **Introduction with Python**
- **Software Installation**
- **Syntax, Variables**
- **What are Datatypes & how to use it**

13. Conditional Statements & loops
- **Operators**
- **If Statement**
- **While Loop**
- **For Loop**
- **Function Calling**

14. File & Exception Handling
- **Read, Write & Append File**
- **File Pointer & Seek**
- **What is Exception**
- **Types Of Error**
- **Try - except Syntax**

15. OOPS Concept
- **What is OOPS**
- **Class Method & Objects**
- **Inheritance & Polymorphism**

16. Database(Mysql)
- **Database Introduction**
- **Installation of Softwares**

17. Database & Table Creation
- **Create Database**
- **Create Table**
- **Insert Data**

18. CRUD Operation
- **Create**
- **Read**
- **Update**
- **Delete**

19. String Functions
- **Concat**
- **Substring**
- **Replace**
- **Reverse**

20. Refining Selection
- **Distinct**
- **Order By**
- **Limit**
- **Like**

21. Aggregate Function
- **Group By**
- **Minimum**
- **Maximum**
- **Sum & Average**

22. Data types & Operators
- **Introduction to Data Types**
- **Comparison Operator**
- **Logical Operator**

23. Table Alteration
- Adding Column
- Dropping Column
- Renaming
- Modification

24. Joins
- Primary Key
- Foreign Key
- Relations in SQL
- Types Of joins

25. Introduction To Django
- Django Introduction
- Installing Django
- Create Project
- Create App
- Django File Structure
- Development Server

26. MVT Structure
- MVT Structure
- URLs
- URL Mapping
- First Project - Hello World!!

27. Templates
- Adding Templates and Files
- Rendering Templates
- Creating a Blog Project

28. Models
- Django Model
- Model Field
- Migrations

- **Inserting Data**
- **Updating & Deleting Data**

29.Admin
- **Adding model to admin**
- **Superuser**
- **Configuring Admin Setting**

30.Forms
- **GET and POST Request**
- **CSRF Protection**
- **Creating Form**
- **Handling Form Submission & data**
- **Modelform**

Final Project - Blog Page with User data Management