

**ADDITIONAL  
SKILL ACQUISITION  
PROGRAMME**



**PYTHON DJANGO FULL STACK**

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## **Course Name: Python Django Fullstack**

### **About the Programme:**

The Django full-stack course teaches you how to build web applications using the Django framework, covering both front-end and back-end development. You'll learn to create dynamic web pages, handle databases, and manage user authentication. The course covers topics like integrating HTML/CSS/JavaScript, using Django's ORM, building RESTful APIs, and deploying applications. By the end, you'll have the skills to develop complete web projects independently, from design to deployment.

### **Programme Outcomes:**

- **Django Proficiency:** Gain a solid understanding of the Django framework's architecture, components, and how to leverage it for efficient web application development.
- **Full-Stack Development Skills:** Acquire the ability to develop both front-end and back-end components of web applications, enabling you to create feature-rich and interactive websites.
- **Database Management:** Learn to create, modify, and query databases using Django's Object-Relational Mapping (ORM) to interact with the database without writing raw SQL queries.
- **Front-End Integration:** Integrate HTML, CSS, and JavaScript into Django templates to create responsive and visually appealing user interfaces.
- **Software Proficiency:** Familiarity with accounting software and tools commonly used in the industry for financial reporting, data analysis, and record keeping.

## **Eligibility Criteria:**

The candidate who have completed BCA/MCA, BSc CS/MSc CS, BTech/ MTech are eligible to join the programme.

## **Duration of the programme:**

Hours: 80

Months: 3 Months

## **Offline Training Centres:**

CSP Kasaragod

## **Course Syllabus:**

### **Module 1:**

#### **Unit 1: Full Stack Developer Introduction**

- 1 Basic programming concepts
- 2 Roles and Responsibilities of Full Stack Developer

#### **Unit 2: SQL**

- 1 Introduction to SQL
- 2 SQL vs MySQL,ER Diagram
- 3 SQL datatypes and Constraints
- 4 SQL commands
- 5 DDL(Data Defintion Language)
- 6 DML(Data Manipulation Language)
- 7 DQL(Data Query Language)

### **Module 2:**

#### **Unit 1: Webdesigning**

- 1 Web Architecture

- 2 HTML Introduction
- 3 HTML text formatting tags,Block ,Inline elements
- 4 HTML Structures
- 5 HTML 5 elements
- 6 CSS Introduction
- 7 CSS Slectors
- 8 CSS Properties
- 9 Resposive utilities
- 10 Bootstrap
- 11 Java Script Introduction
- 12 JS functions
- 13 JS Objects
- 14 JS Built in Objects.

## **Unit 2:**

- 1 Interview Preparation & Question Answers discussion
- 2 Project Discussion

## **Module 3:**

### **Unit 1: Python**

- 1 Introduction to Python
- 2 Datatypes in Python
- 3 Python operators
- 4 Coditional Statement
- 5 Loops in python
- 6 Functions and modules
- 7 OOPs in python
- 8 Exception Handling

### **Unit 2:**

- 1 Interview Preparation & Question Answers discussion
- 2 Project Discussion

## **Module 4:**

### **Unit 1: Django**

- 1 Why we need python Django framework
- 2 Introduction to Django
- 3 Django project structure
- 4 Django View
- 5 Django Template Language
- 6 Static file configuration
- 7 Django Model
- 8 Django Admin
- 9 Django Form

### **Unit 2:**

- 1 Interview Preparation & Question Answers discussion
- 2 Project Discussion

## **Certification Process:**

An assessment will be conducted on the completion of the course, and certificate will be issued by STED Council(For Offline)/ ASAP Kerala(For Online).

## **Certificate Issued by:**

STED Council(For Offline)

ASAP Kerala(For Online)

