

# Web Development using Python & Django Web Framework

## Web Development using Python & Django Web Framework *4 Weeks Online Course*

### Objective

This course, students will learn about the most advanced Web-app development environments with immense exposure on practicality. The course is designed for an aspiring developer to enrich the knowledge of different Web based Python Frameworks. In this curriculum, we have covered Python fundamentals including OOPS concepts. The course has been designed in such a way that a candidate can handle both the Front-end and Back-end development processes. MySQL is also covered to connect our application with the Database..

10+2 with basic knowledge of Computer Programming.

### Eligibility

### Duration

04 Weeks (2 Hrs. per day)

### Prerequisites

- ✓ Candidate must have latest computer/laptop with preferably 4 GB RAM or higher and Graphics Card (2 GB)
- ✓ Software: Panda, Python, Numpy etc
- ✓ Internet connection with good speed (*preferably 2Mbps or higher*)

### Certificate

Participation Certificate will be provided to the participants, based on minimum 75% attendance and on performance (minimum 50% marks) in the online test, conducted at the end of the course.

Rs. 2000/- incl. GST& all other charges.

### Course Fees

### How to Apply?

- ✓ **Step-1:** Read the course structure & course requirements carefully.
- ✓ **Step-2:** Visit the Registration portal and click on apply button.
- ✓ **Step-3:** Create your login credentials and fill up all the details, see the preview and submit the form.
- ✓ **Step-4:** Login with your credentials to verify the mobile number, email ID and then upload the documents, Lock the profile and Pay the Fees online, using ATM-Debit Card / Credit Card / Internet Banking / UPI etc.

### Course Content

| Day     | Topic  | Day     | Topic  | Day     | Topic   |
|---------|--|---------|--|---------|---|
| Day #01 | Introduction on python, Installation of python, How to use python, Python Basic Syntax, Python First program | Day #02 | Literals, Constants & variables, Keywords, Operators, Comments | Day #03 | Control flow statement                            |
| Day #04 | Data structure (List, Tuple & dictionary in python)  | Day #05 | Function, Module & Packages                                    | Day #06 | Array Numpy                                       |
| Day #07 | Basic OOPS Concept-1   | Day #08 | Basic OOPS Concept-1   | Day #09 | SQL and python-1                                  |
| Day #10 | SQL and python-2   | Day #11 | Concepts of Web Page-1   | Day #12 | Concepts of Web Page-2                            |
| Day #13 | Introduction on Django, Django Project & server configuration  | Day #14 | Django app, MVT Design Pattern                                 | Day #15 | View, Template, URL Mapping, Static file Handling |
| Day #16 | Model Form, Django Form, Form Validation   | Day #17 | File Upload, Database connectivity                             | Day #18 | Creating CURD application in Django               |
| Day #19 | Django Middleware, Session & cookies   | Day #20 | Introduction to Flask  |         |   |

### Contact Details

**Course Coordinator:**  
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