About VT & T

VT & T is a leading expert in Web development, digital marketing and e-learning platform providing live instructor-led interactive online training with experienced trainers. We cater to professionals and students across the globe in categories like Python, Web Development using Django, Machine Learning and Game Development for beginners.

About Course

Designed to meet the industry benchmarks, VT & T's Python Django Training and Certification course is curated by top industry experts. This extensive online interactive course is created to help you gain expertise in the Django REST framework, Django Models, Django AJAX, Django jQuery, and much more. You will also master the Django web framework while working on real-time use cases and receive Django certification at the end of the course. Enroll now to learn Python online & become a certified Python professional with VT & T.

Web Development Using Python Django Course Curriculum
(Duration: 45 Hours)

Topics

Debugging, Databases and Project Skeletons:

- Debugging
- Dealing with Errors
- Using unit tests
- Project Skeleton
- Required Packages
- Creating the Skeleton
- Project Directory
- Final Directory Skeleton
- Testing Your Set up
- Using the skeleton
- Creating a database with SQLite 3
- CRUD Operations
- Creating Database object.

Introduction to Django Web Framework

- Introduction to Django Web Framework
- Installing Django
- MVC model
- HTTP Concepts
- Views
- URL Mapping

Templates and Forms

- Django Template Language
- Utilities of Templates
- Creating Template Objects
- Tags, Variables and Filters
- Rendering Templates
- Template Inheritance
- Form Handling
- Form Validation and Error Messages
- Form Display

Models and Dynamic Webpages

- Django Models
- Model Fields
- Model Inheritance
- CRUD on DB
- Primary Keys and the Model
- Dynamic Webpages
- Toggle Hidden Content
- jQuery and AJAX Integration

Serialization

- Serialization and Deserialization
- Django REST Framework
- Serializer Class
- Model Serializers
- REST APIs

Parsing XML and JSON with Python

- XML - RPC
- XML, Parsing object to XML and Back
- JSON, Parsing object to JSON and Back