QualityThought®
Learn from Industry Experts

100 % JOB
GAURANTEE

SALARY RANGE
3.2 to 12+ LAKHS

WITH 100% JOB GAURUNTEE

dj Django

DJANGO
COURSE + INTERNSHIP

> *iHub's Django course is prepared to help you to learn and master the skills of Django Web Framework and Django REST Framework. The Django Course Syllabus has been designed by industry experts which helps you to become a proficient in Django through live projects and with hands-on sessions.*

100% JOB GUARANTEED

DJANGO COURSE CURRICULUM

COURSE DURATION	SESSION HOURS	REALTIME PRACTICE
5 WEEKS	**60 HOURS**	**CASE STUDIES + MOCK TESTS**

KEY HIGHLIGHTS

↗ Only EdTech with 100% Internship based and job guarantee training
↗ Institute backed by strong IIT alumina Team
↗ More than 10,000 + success stories created
↗ Partnered and serving 100+ clients right from the inception of the firm
↗ Parent company Quality Thought No #1 providing placements since 2010
↗ Experienced IT Architects, subject matter experts as advisory in the board
↗ Guaranteed Internship Opportunity (3 to 6Months) for every participant
↗ Backed by strong Internal human resource team enabling quick placements
↗ Special guidance to students to win jobs with highest packages

TRAINING HIGHLIGHTS

↗ Industry ready course roaster designed by architects and subject matter experts
↗ Proven content, creating gateway to world of Job opportunities
↗ Practical & detailed approach, everyone can understand and perform to excel
↗ Subject matter experts as trainers
↗ Not just learning, Learn by doing methodology
↗ Access to Instant recorded live Class videos shared
↗ Personalized attention and guidance to accelerate the learning
↗ Member access to private group to get instant doubt clarifications
↗ Guest lectures from leading MNC Companies

Python Django

Persistent Storage

Flat Text Files

Padded Text FilesTabular Text Files

    CSV - XML, HTML

    JSON , YAML ,   Tablib

    Pandas, Configuration Files

Binary Files

    Padded Binary Files and Memory Mapping

    Spreadsheets , HDF5 ,   TileDB

Relational Databases

    SQL, DB-API

    SQLite , MySQL

    PostgreSQL, SQLAlchemy

NoSQL Datastores

    The dbm Family

    Memcached

    Redis, Document Databases

    Time Series Databases

    Graph Databases

    Other NoSQL

Full-Text Databases

Networks

TCP/IP

Networking Patterns

The Request-Reply Pattern

    Zero MQ

    Other Messaging tools

The Publish-Subscribe Pattern

    Redis

    ZeroMQ

    Other Pub-Sub Tools

    Internet Services- DNS- Python Email Modules

    Web Services and APIS

Data Serialization

    Serialize with pickle

    Other Serialization Formats

Remote Procedure Calls

    XML RPC- JSON RPC- Zerorpc- gRPC- Twirp

**Top sites & products
built with Python & Django**

Web applications and Services

HTML Web Development

CSS, JavaScript. SQL Databases (mysql)

NoSQL Databases (mongo db)

SQL Databases and Python (SQLAlchemy)

NoSQL Databases and Python (PyMongo)

Responsive Web Design

ReactJS

Introduction to Django

Introduction

Scaffolding a Django Project and App

Creating a Project and App, and Starting the Dev Server

Model View Template

Models

Views

Templates

Introduction to HTTP

Processing a Request

Django Project

The myproject Directory

Django Development Server

Django Apps

PyCharm Setup

Project Setup in PyCharm

View Details

URL Mapping Detail

Writing a View and Mapping a URL to It

GET, POST, and QueryDict Objects

Exploring GET Values and QueryDict

Exploring Django Settings- *Using Settings in Your Code*

Finding HTML Templates in App Directories

Creating a Templates Directory and a Base Template

Rendering a Template with the render Function

Rendering a Template in a View

Rendering Variables in Templates

Using Variables in Templates

Debugging and Dealing with Errors

Exceptions -Generating and Viewing Exceptions -

Debugging

Creating a Site Welcome Screen

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Models and Migrations

Introduction
Databases

Relational Databases
Non-Relational Databases
Database Operations
Using SQL Data Types in Relational databases

SQL CRUD Operations

SQL Create Operations
SQL Read Operations
SQL Update Operations
SQL Delete Operations
Django ORM
Database Configuration and Creating Django Applications
Django Apps
Django Migration
Creating Django Models and Migrations
Field Types
Field Options

Relationships

One-to-One, Many-to-One
Many-to-Many
Django's Database
CRUD Operations

URL Mapping, View and Templates

Function Based Views
Class Based Views
URL Configuration
Templates

Django Template Language

Template Variables
Template Inheritances
Template Styling with Bootstrap

Introduction to Django Admin

Introduction
Creating a Superuser Account
CRUD Operations Using Django Admin App
Registering the Model
Customizing the Admin Interfaces

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Serving Static Files

Introduction

Static File Finders

App Directories Finder

Static File Namespacing

FileSystemFinder

Custom Storage Engines

Forms

Introduction

The <form> element

Types of Input

Form Security with Cross-Site Forgery Protection

Accessing Data in the View

Choosing b/w GET and POST

Django Form's Library

Validating Forms & Retrieving Python Values

Advanced Form Validation and Model Forms

Introduction

Custom Field Validation & Cleaning

Media Serving and File Uploads

Setting up Media Uploads & Serving

Context Processors & using MEDIA_URL in Templates

File Uploads using HTML Forms

Storing Files on Model Instances

Sessions and Authentication

Middleware Modules

Implementing Authentication Views & Templates

Password Storage in Django

The Profile Page

request.user in Django

Authentication Decorators

Redirection

Enhancing Templates with Authentication Data

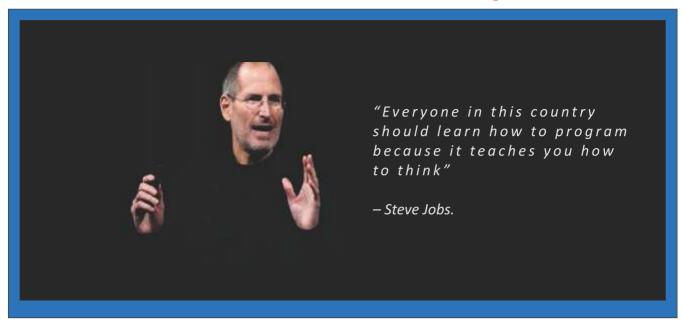Session Engine

Pickle or JSON Storage

Storing Data in Sessions

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Washington Post

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> *"Everyone in this country should learn how to program because it teaches you how to think"*
>
> *— Steve Jobs.*

Advanced Django Admin & Customizations

Customizing Admin Site -

Adding Views to the Admin Site

Advanced Templating & Class Based Views

Template Filters

Custom Template Filters

Template Tags

Django Views

Class Based Views

Generating CSV PDF and Other Binary Files

Working with Python's CSV Module

Working with Excel Files in Python

Working with PDF files in Python

Playing with Graphs in Python

Integrating Visualizations with Django

Testing

Automation Testing

Testing in Django

Testing Django Models

Testing Django Views

Django Request Factory

Test Case Classes in Django

Using Frontend JavaScript Libraries with Django

JavaScript Frameworks - React and its Components

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Bitbucket

Udemy

iHub's KEY CLIENTS
100 + Clients and Adding More

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DEVOPS

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