

Django Web Development

Learn to develop web applications using Django framework.

Category: Programming · Duration: 4 days

WHO IT IS FOR

- Python developers
- Front-end developers
- Teams that want hands-on practice on real scenarios

In this course, participants will gain a deep understanding of Django framework and learn how to develop scalable and secure web applications. The course covers topics such as models, views, templates, forms, authentication, and REST APIs. Participants will also learn best practices in Django development and gain hands-on experience through various coding exercises and projects.

Prerequisites

Basic knowledge of Python and web development is recommended.

Syllabus

- Introduction to Django
- Setting up a Django project
- Models and database integration
- Views and URL routing
- Templates and front-end integration
- Forms and form handling
- Authentication and user management
- REST APIs in Django
- Testing and debugging in Django
- Deploying Django applications
- Best practices in Django development
- Advanced topics in Django
- Building a complete web application using Django
- Project work and code reviews
- Performance optimization in Django

- Securing Django applications
- Integration with other frameworks and libraries
- Scaling Django applications
- Version control and collaboration in Django projects
- Agile project management in Django development