

# Web Development with Python-Django

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**Duration-45Hrs**

**Course Fees-@500/Hrs OR 18000**

**Certification Availability-Yes**

## Course Content

Module-1	Building a Blog Application	
1.1	Installing Django	Installation of Anaconda
		Creation of djangoEnv Environment in Anaconda
		Activation of djangoEnv in Anaconda
		Installation of django packages in djangoEnv environment
1.2	Creating your 1 <sup>st</sup> Project	Running the development server
		Project Settings
		Projects & Applications
		Creating an Application
1.3	Designing the blog schema	Activating your application
		Creating and applying migrations
1.4	Creating an administration site for your models	Creating a superuser
		The Django administration site
		Adding your model to the administration site
		Customizing the way models are displayed
1.5	Working with QuerySet and managers	Creating objects
		Updating objects
		Retrieving objects-filter() method, exclude(), order_by()
		Deleting objects
		When QuerySets are evaluated
		Creating model managers
1.6	Building list and detail views	Creating list and detail views
		Adding URL patterns for your views
		Canonical URL for models
1.7	Creating templates for your views	Adding pagination
		Using class-based views
Module-2	Enhancing your blog with Advanced Features	
2.1	Sharing post by email	Creating forms with Django
		Handling forms in views
		Sending emails with Django
		Rendering forms in templates
2.2	Creating a comment	Creating forms from models

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	system	Handling ModelForms in views
		Adding comments to the post detail template
		Adding the tagging functionality
		Retrieving posts by similarity
Module-3	Extending your Blog Application	
3.1	Creating custom template tags & filters	Creating custom template tags Creating custom template filters
3.2	Adding a sitemap to your site	Creating feeds for your blog posts Adding full-text search to your blog Installing PostgreSQL Simple search lookups Searching against multiple fields Building a search view Steaming & ranking results Weighting queries Searching with trigram similarity Other full-text search engines
Module-4	Building a Social Website	
4.1	Creating a SNS Using Django Authentication framework	Starting your SNS project Creating a login view Using Django Authentication views Login view & logout views Changing password views Resetting password views
4.2	User registration and user profiles	User registration Extending the user model Using custom user model Using the message framework
4.3	Adding social authentication to your site	Authentication using Facebook Authentication using Twitter Authentication using Google
Module-5	Sharing content in your website	
5.1		Creating an image bookmarking website building image model, many-to-many relationship
5.2		Posting content from other website-cleaning form fields
5.3		Building a bookmarklet using jquery
Project	Extra Payment Required	