

Junior Software Engineer Training Module - Batch 2022

S.NO	Days	Date & Time	Topics	Trainer Name
1	1	24 May 2022	Introduction to Django	Mr. Ashish Gavshinde
1.1			What Is a Web Framework?	
1.2			The MVC Design Pattern	
1.3			Django's History	
2	2	25 May 2022	Installation of Django	
2.1			Installing Django	
2.2			Setting Up a Database	
2.3			Starting a Project.	
2.4			The Development Server	
2.5			Django Commands Overview	
3	2	27 May 2022	The Basics of Dynamic Web Pages	
3.1			Your First View: Dynamic Content	
3.2			Mapping URLs to Views	
3.3			How Django Processes a Request	
3.4			URL configurations and Loose Coupling	
3.5			404 Errors	
3.6			Your Second View: Dynamic URLs	
3.7		31 May 2022	A Word About Pretty URLs	
3.8			Wildcard URL patterns	
3.9			Django's Pretty Error Pages	
4	2	01 June 2022	The Django Template System	
4.1			Template System Basics	
4.2			Using the Template System	
4.3			Creating Template Objects	
4.4			Rendering a Template	
4.5			Multiple Contexts, Same Template	
4.6			Context Variable Lookup	
4.7		03 June 2022	Playing with Context Objects	
4.8			Basic Template Tags and Filters Tags	
4.9			Philosophies and Limitations	
4.10			Using Templates in Views	
4.11			Template Loading	

4.12			render_to_response()	Mr. Ashish Gavshinde
4.13	2	07 June 2022	The locals() Trick	
4.14			Subdirectories in get_template()	
4.15			The include Template Tag	
4.16			Template Inheritance	
5			Interacting with a Database: Models	
5.1	2	09 June 2022	The “Dumb” Way to Do Database Queries in Views	
5.2			The MTV Development Pattern	
5.3			Configuring the Database	
5.4			Your First App	
5.5			Defining Models in Python	
5.6			Your First Model	
5.7			Installing the Model	
5.8			Basic Data Access	
5.9	2	13 June 2022	Adding Model String Representations	
5.1			Inserting and Updating Data	
5.11			Selecting Objects	
5.12			Filtering Data	
5.13			Retrieving Single Objects	
5.14			Ordering Data	
5.15			Chaining Lookups	
5.16			Slicing Data	
5.17	2	15 June 2022	Deleting Objects	
5.18			Making Changes to a Database Schema	
5.19			Adding Fields	
5.2			Removing Fields	
5.21			Removing Many to Many Fields	
5.22			Removing Models	
6			The Django Administration Site	
6.1	1	17 June 2022	Activating the Admin Interface	
6.2			Using the Admin Interface	
6.3			Users, Groups and Permissions	
6.4			Customizing the Admin Interface	
6.5	1	20 June 2022	Customizing the Admin Interface’s Look and Feel	
6.6			Customizing the Admin Index Page	
6.7			When and Why to Use the Admin Interface	

7		21 June 2022	Form Processing	Mr. Ashish Gavshinde
7.1	1		Search	
7.2			The "Perfect Form"	
7.3			Creating a Feedback Form	
7.4			Processing the Submission	
7.5	1	22 June 2022	Custom Validation Rules	
7.7			A Custom Look and Feel	
7.8			Creating Forms from Models	
8		23 June 2022	Advanced Views and URL configurations	
8.1	1		URL configuration Tricks.	
8.2			Streamlining Function Imports	
8.3			Using Multiple View Prefixes	
8.4			Special-Casing URLs in Debug Mode	
8.5	1	24 June 2022	Using Named Groups	
8.6			Understanding the Matching/Grouping Algorithm	
8.8			Passing Extra Options to View Functions	
8.9			Using Default View Arguments	
8.1	1	27 June 2022	Special-Casing Views	
8.11			Capturing Text in URLs	
8.12			Determining What the URL configuration Searches Against	
8.13			Including Other URL configurations	
8.14	1	28 June 2022	How Captured Parameters Work with include()	
8.15			How Extra URL configurations Options Work with include()	
9		29 June 2022	Generic Views	
9.1	1		Using Generic Views	
9.2			Generic Views of Objects	
9.3			Extending Generic Views	
9.4			Making "Friendly" Template Contexts	
9.5	1	30 June 2022	Adding Extra Context	
9.6			Viewing Subsets of Objects	
9.7			Complex Filtering with Wrapper Functions	
9.8			Performing Extra Work	

10			Extending the Template Engine	Mr. Ashish Gavshinde
10.1	1	01 July 2022	Template Language Review	
10.2			Request Context and Context Processors	
10.3			django.core.context_processors.auth	
10.4			django.core.context_processors.request	
10.5	1	04 July 2022	Guidelines for Writing Your Own Context Processors	
10.6			Inside Template Loading	
10.7			Extending the Template System	
10.8			Creating a Template Library	
10.9	1	05 July 2022	Writing Custom Template Filters	
10.1			Writing Custom Template Tags	
11		06 July 2022	Users and Registration	
11.1	1		Cookies	
11.2			Getting and Setting Cookies	
11.3			The Mixed Blessing of Cookies	
11.4			Setting Test Cookies	
11.5	1	07 July 2022	Users and Authentication	
11.6			Enabling Authentication Support	
11.7			Using Users	
11.8			Logging In and Out	
11.9	1	08 July 2022	Limiting Access to Logged-in Users	
11.1			Managing Users, Permissions and Groups	
11.11			Using Authentication Data in Templates	
11.12			Permissions	
11.13	1	11 July 2022	Groups	
11.14			Messages	
11.15			Profiles	