



DEPARTMENT OF MCA

WORKSHOP: A WEBSITE BUILDING USING PYTHON DJANGO

Participants:

First year MCA Students

Date:

06-12-25

Time:

09:30 AM to 04:00 PM

Facilitator:

Dr. M.V.T. Ram Pavan Kumar
Head, Department of Computer
Science & Applications (UG & PG)
K.B.N. College (Autonomous)
Vijayawada, A.P.



1. Introduction

This workshop provides hands-on training on building a basic web application using the Django Framework. Participants learn installation, project creation, app development, templates, and static files handling.

Django is a high-level Python web framework that enables rapid development of secure and maintainable web applications. It follows the Model–View–Template (MVT) architecture and provides built-in features such as authentication, URL routing, and database management. This workshop introduces participants to the fundamentals of Django and provides hands-on experience in developing a basic web application. It helps students understand how real-time web applications are built using Python and Django.

The main objectives of this workshop are:

1. To introduce students to the Django framework and its features.
2. To understand the Django project and app structure.
3. To learn how to create views and configure URLs.
4. To develop simple web pages using Django templates.
5. To understand the use of static files such as CSS and JavaScript.
6. To provide practical exposure to building web applications using Python.
7. To enhance students' skills for real-time and industry-oriented projects.

2. Prerequisites

- Python 3.x installed
- Basic knowledge of Python
- Code editor (VS Code recommended)
- Internet connection

3. Django Installation

Install Django

```
pip install django
```

Check Django Version

```
django-admin --version
```

Uninstall Django (if required)

```
pip uninstall django
```

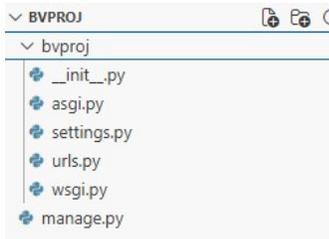
Additional Packages (if required)

```
pip install setuptools  
pip install legacy-cgi
```

4. Creating a Django Project

```
django-admin startproject bvproj  
cd bvproj
```

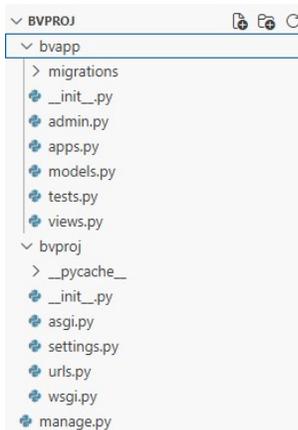
Project Structure



5. Creating a Django App

```
python manage.py startapp bvapp
```

App Structure



Register App

In **bvproj/settings.py** add:

```
INSTALLED_APPS = [  
    'bvapp',  
]
```

6. Running the Server

python manage.py runserver

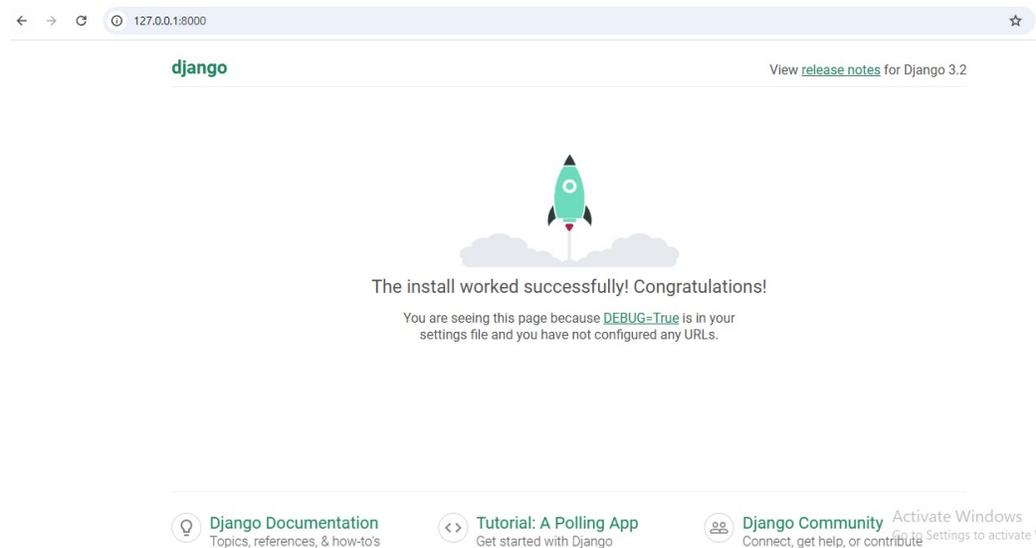
```
C:\Users\sowjanya\Downloads>django-admin startproject bvproj
C:\Users\sowjanya\Downloads>cd bvproj
C:\Users\sowjanya\Downloads\bvproj>python manage.py startapp bvapp
C:\Users\sowjanya\Downloads\bvproj>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work properly
for app(s): admin, auth, contenttypes, sessions.
Run 'python manage.py migrate' to apply them.
January 02, 2026 - 12:50:25
Django version 3.2.25, using settings 'bvproj.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[02/Jan/2026 12:50:30] "GET / HTTP/1.1" 200 10697
```

Open browser and visit:

<http://127.0.0.1:8000/>



7. Views and URLs

`bvapp/views.py`

```
from django.shortcuts import render
```

```
from django.http import HttpResponse
```

```
def hello(request):
```

```
return HttpResponse("Welcome to Django Workshop")
```

Create App URLs: create new file `bvapp/urls.py`

```
from django.urls import path
from . import views
urlpatterns=[
    path('', views.hello, name='hello'),
]
]
```

Link App URLs to Project: `bvproj/urls.py`

```
from django.contrib import admin
from django.urls import path, include

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', include('bvapp.urls')),
]
]
```

8.Run Server

```
python manage.py runserver
```

Open browser:

```
http://127.0.0.1:8000/
```

9. Output



B V RAJU COLLEGE (AUTONOMOUS)

DEPARTMENT OF MCA

PYTHON WORKSHOP ATTENDANCE SHEET

SNo	Reg. No.	Name	Signature
1	✓ 2585351001	ADABALA VIJAYA DURGA	Vijaya Durga A
2	✓ 2585351002	ADADA GANGA LAHARI	Lahari. A
3	✓ 2585351003	ADDALA NEELIMA DIVYA	A. Neelima Divya
4	✓ 2585351004	ALLU LAHARI	Al. Lahari
5	2585351005	ARAVA PRISKILLA	
6	✓ 2585351006	ARAVA SAI SAMHITA	A. Samhitha
7	2585351007	ARIGELA M N S VENKATA LAKSHMI BHAVANI	A.M.N.S.V.L.Bhavani
8	✓ 2585351008	BALLA DEVIKA RANI	B. Devika Rani
9	2585351011	BIKKAVOLU TEJASWI	B. Tejaswi
10	✓ 2585351014	CHELLABOYANE SRINIVAS	Ch. Srinivas
11	✓ 2585351016	CHIDAGALA MOUNIKA NAGA SREE	Ch. Mounika
12	✓ 2585351017	CHIKILE KUMARI	Ch. Kumari
13	✓ 2585351018	CHIKKALA VENKATA SATYA SAI DURGA	Ch. Prasanna
14	2585351020	CHITTURI SATYA NIRAJA	
15	✓ 2585351023	DASARI RAMYA	D. Ramya
16	✓ 2585351027	DUDE MANI SAI	D. Mani Sai
17	2585351030	GANDHAM GAYATHRI	G. Gayathri
18	✓ 2585351034	GOLLAPUDI MANI SAI SASANK	G. Sasank
19	2585351035	GORLI MOUNIKA	
20	2585351037	GRANDHI LEELA LAKSHMI PRIYANKA	
21	2585351039	GUDA JAGADEESWARI	
22	2585351040	GULLIPALLI MOHANA KEERTHI	
23	✓ 2585351043	GUNNAMPALLI SAI GOWRI HARSHITHA	G.S.G Harshitha
24	2585351044	GUTTIKONDA SIRI	
25	✓ 2585351047	JAGGAMPUDI MOHANA KRUPA	J. Mohana Krupa
26	2585351048	JALLI SIRISHA	
27	✓ 2585351050	JANNU SARANYA DEEPTHI	J.S. Deep
28	✓ 2585351054	KAKILETI SANGEETHA	K. Sangeetha
29	2585351056	KANDIKUPPA AJIT KUMAR	K. Ajit Kumar
30	✓ 2585351061	KOLA ASWINI	K. Aswini
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32	2585351065	KONALA MAHITHA RANI	

33	✓ 2585351066	KONDETI BALA NANDU	K. Bala nandu
34	✓ 2585351068	KOTLA HEMA SIRISHA	K. Hema sirisha
35	✓ 2585351071	KUMMARA NAGA BHAVANI	K. Naga Bhavani
36	2585351074	LAKKA VENKATA VARALAKSHMI	
37	2585351077	LINGAMPALLI JAYA SHANKAR	
38	2585351079	MADALA NAGA VENKATA VAMSI	
39	2585351080	MADDALA YOGA SIVA KIRAN KUMAR	M. Kiran
40	✓ 2585351083	MANE JYOSHNA CHANDRIKA	M. Jyoshna Chandrika
41	✓ 2585351088	NAGIREDDY SAKETA PRASANTI	N. Saketa Prasanti
42	✓ 2585351089	NARA SAI DEEPTHI	N. Sai deepthi
43	✓ 2585351090	PADAMATI BHARGAVI	P. Bhargavi
44	✓ 2585351092	PALURI MAHA LAKSHMI	P. Maha Lakshmi
45	✓ 2585351096	PEETHANI HARSHITHA SRI	P. Harshitha Sri
46	2585351098	PONNAPULA UMAMAHESWARI	P. Umamaheswari
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49	✓ 2585351109	SHAIK SAKEENA	Sk. Sakeena
50	✓ 2585351110	SHIKHA BERA	B. Shikha..
51	2585351113	SRINIVASULA VALLI SRI VYSHNAVI	
52	✓ 2585351115	SURAVARAPU DIVYA	S. Divya
53	✓ 2585351118	TIRUMALASETTI AMULYA RATNANJALI	T. Amulya R.
54	✓ 2585351123	VEERAVALLI PRAVEEN KUMAR	V. Praveen
55	✓ 2585351124	VELPURI LIKHITHA	V. Likhitha

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V. Navyagopal

10. Conclusion

By the end of this workshop, participants gain practical experience in: - Installing Django - Creating projects and apps - Working with views and URLs - Using templates - Managing static files. This workshop builds a strong foundation for developing real-time web applications using Django.