**BN232 Advanced Network programming**

**Week 7 Laboratory**

**Laboratory Activity: Create your first “Hello World” project using Django**

End of laboratory class, submit the file on Moodle at least 10 minutes before the end of laboratory class.

**Total Marks** = 10 marks for 10 weeks.

**Hands-on:**

In this lab we are going demonstrate how use Django framework for project simulation.

**Step-by-Step guide to set-up the environment:**

1. Create your project

**django-admin startproject hello\_project**

**cd hello\_project**

1. Create App

python manage.py startapp hello

\*\*(Add ‘hello’, to INSTALLED\_APPS in settings.py

1. Create View (in hello/views.py)

from django.http import HttpResponse

def hello\_world(request):

return HttpResponse("Hello, World!")

1. Set up URL

4.1 Create hello/urls.py

from django.urls import path

from . import views

urlpatterns = [

path('', views.hello\_world),

]

* 1. Include it in hello\_project/urls.py

from django.contrib import admin

from django.urls import path, include

urlpatterns = [

path('admin/', admin.site.urls),

path('', include('hello.urls')),

]

1. Run Server

python manage.py runserver

1. Open <http://127.0.0.1:8000/> and the output should be:

Hello, World!

**References**

[1] Django Official Tutorial

<https://docs.djangoproject.com/en/stable/intro/tutorial01/> Step-by-step guide from project setup to building a simple web app.

[2] Django Official Documentation (Topics Overview)<https://docs.djangoproject.com/en/stable/>