1. Install django

pip install django

1. Create django project in eclipse:
   1. File->New->Other->PyDev->Django Project

(make sure python version 3.0 or above and django version 1.4 or above)

1. Create Application(Module):
   1. Right click on proj->django->create application (eg: college)
2. In Setting.py:

INSTALLED\_APPS = [

'college',

*TIME\_ZONE = 'Asia/Kolkata'*

1. Models.py:

from django.db import models

class Branch(models.Model):

name=models.CharField(max\_length=100)

hod=models.CharField(max\_length=100)

def \_\_str\_\_(self):

return self.name

class Notice(models.Model):

title=models.CharField(max\_length=100)

message=models.TextField()

crdate=models.DateTimeField(auto\_now\_add=True)

branch=models.ForeignKey(Branch, on\_delete=models.CASCADE)

def \_\_str\_\_(self):

return self.title

1. admin.py in college

from django.contrib import admin

from college.models import Branch, Notice

class BranchAdmin(admin.ModelAdmin):

list\_display=["name", "hod"]

admin.site.register(Branch, BranchAdmin)

class NoticeAdmin(admin.ModelAdmin):

list\_display=["title", "branch", "crdate"]

list\_filter=["branch", "crdate"]

search\_fields=["title", "message"]

admin.site.register(Notice, NoticeAdmin)

1. Right click on project -> django->make migration
2. Migrate:
   1. Right click on proj->django->migrate
3. Create super user
   1. Right click on proj->property->resource->location copy it
   2. Go to dos
   3. Type

cd D:\Work\New Learn\newpycode2\sdj5

d:

python manage.py createsuperuser

1. Start project:
   1. Right click and run as django
2. Open browser:
3. Go to <http://localhost:8000>
4. Go to <http://localhost:8000/admin>
5. Add few notice and test
6. Create templates folder in college module
7. In templates create base.html, about.html, contact.html and one sub folder college now inside college subfolder create notice\_list.html and notice\_detail.html
8. Create a folder static in college module
9. In Project urls.py file copy following code:

from django.contrib import admin

from django.urls import path

from django.conf.urls import url, include

from django.views.generic.base import RedirectView

urlpatterns = [

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

url("college/", include("college.urls")),

url("^$", RedirectView.as\_view(url="college")),

]

1. In college module in views.py:

from django.shortcuts import render

from django.views.generic.list import ListView

from college.models import Notice

from django.views.generic.detail import DetailView

def about(request):

return render(request, "about.html", {"name":"EFFCON"})

def contact(request):

return render(request, "contact.html", {"addr":"Byron bazar"})

class NoticeList(ListView):

model=Notice

class NoticeDetail(DetailView):

model=Notice

1. In college module create a file name urls.py and write following code:

from django.contrib import admin

from django.urls import path

from django.conf.urls import url, include

from django.views.generic.base import RedirectView

from college import views

urlpatterns = [

url("about", views.about, name="abt"),

url("contact", views.contact, name="cnt"),

url("notice/$", views.NoticeList.as\_view(), name="nlist"),

url("notice/(?P<pk>[0-9]+)/$", views.NoticeDetail.as\_view(), name="ndet"),

url("^$", RedirectView.as\_view(url="about")),

]

1. In style.css in static forlder:

h1{

color: red;

}

1. In base.html inside templates folder in college module:

{% load static %}

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>{% block title %}EFFCON{% endblock %}</title>

<link rel="stylesheet" type="text/css" href="{% static 'style.css' %}" />

</head>

<body>

<h1>Logo</h1>

<a href="{% url 'abt' %}">About</a>

<a href="{% url 'cnt' %}">Contact</a>

<a href="{% url 'nlist' %}">List</a>

{% block content %}

<h1>i am dummy</h1>

{% endblock %}

</body>

</html>

1. In about.html inside templates folder in college module:

{% extends "base.html" %}

{% block content %}

<h1>i am {{ name }} </h1>

{% endblock %}

1. Inside contact.html in templates folder inside college module:

{% extends "base.html" %}

{% block title %}Contact

{% endblock %}

{% block content %}

<h1>{{ addr }} </h1>

{% endblock %}

1. Inside notice\_list.html inside college module 🡪 templates 🡪 college 🡪 notice\_list.html:

{% extends "base.html" %}

{% block content %}

<h1>i am List </h1>

{% for n1 in object\_list %}

<h2><a href="{% url 'ndet' n1.id %}">{{n1}}</a></h2>

{% endfor %}

{% endblock %}

1. Inside notice\_detail.html inside college module 🡪 templates 🡪 college 🡪 notice\_detail.html:

{% extends "base.html" %}

{% block content %}

<h1>i am Details </h1>

<h2>{{ object.title }}</h2>

<h2>{{ object.message }}</h2>

<h2>{{ object.crdate }}</h2>

<h2>{{ object.branch }}</h2>

{% endblock %}

1. Start project:
   1. Right click and run as django
2. Open browser:
3. Go to <http://localhost:8000>
4. Go to <http://localhost:8000/admin>
5. Test your pages