



# K.S. INSTITUTE OF TECHNOLOGY, BENGALURU - 560109

## LABORATORY MANUAL 2023-2024 EVEN SEMESTER

### Module 3

**Aim:** Develop a Model form for student that contains his topic chosen for project, languages used and duration with a model called project.

**Objective:** The students will be able to

Creation of virtual environment, Django project and App to

**Concept / Theory:**

**2. Develop a Model form for student that contains his topic chosen for project, languages used and duration with a model called project.**

**Note:** This code is additional to the Programs executed in Module 2 (Lab 6) so please continue the editing that project itself.

**In models.py of app**

```
class projectReg(models.Model):
    student=models.ForeignKey(student,on_delete=models.CASCADE)
    ptitle=models.CharField(max_length=30)
    planguage=models.CharField(max_length=30)
    pduration=models.IntegerField()

class projectForm(ModelForm):
    required_css_class="required"
    class Meta:
        model=projectReg
        fields=['student','ptitle','planguage','pduration']
```

**make migrations so that new table is created**

```
PS C:\fsd\studCourseReg> py manage.py makemigrations
Migrations for 'studCourseRegApp':
  studCourseRegApp\migrations\0002_projectreg.py
    - Create model projectReg
PS C:\fsd\studCourseReg>
```

```
PS C:\fsd\studCourseReg> py manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, sessions, studCourseRegApp
Running migrations:
  Applying studCourseRegApp.0002_projectreg... OK
PS C:\fsd\studCourseReg>
```

## In Templates folder under app create projectReg.html

```
{% extends 'basicTemplate.html' %}
    {% block title %}    Project Details Registration {% endblock %}
    {% block content %}
        <form method="POST" action="">
            {% csrf_token %}
            <table border="1">
                {{ form.as_table }}
                <tr>
                    <td>
                        <input type="submit" value="Add Project"/>
                    </td>
                </tr>
            </table>
        </form>
    {% endblock %}
```

## In basicTempalte.html

```
<!DOCTYPE html>
<html>
    <head>
        <style>
            nav{background-color: lightblue; padding: 10px;}
        </style>
        <title>
            {% block title %} {% endblock %}
        </title>
    </head>

    <body>
        <center> <h1 style="background-color: rgb(4, 4, 93);color:rgb(246, 246, 71)"> STUDENT COURSE REGISTRATION PORTAL</h1></center>
        <nav>
            <a href="/home/">HOME</a>|
            <a href="/studentlist/">STUDENT LIST</a>|
            <a href="/courselist/">COURSE LIST</a>|
            <a href="/register/">REGISTER</a>|
            <a href="/enrolledlist/">ENROLLED LIST</a>|
            <a href="/addproject/">ADD PROJECT</a>|
        </nav>
        <section>
            {% block content %} {% endblock %}
        </section>
        <footer>
            <hr/>
            <center>
                &copy; Designed and Developed by Ms.Namyapriya D, CSE, KSIT,
                Bangalore-109
            </center>
        </footer>
    </body>
</html>
```

```

        </center>
    </footer>

</body>
</html>

```

### In views.py of app

```

from django.http import HttpResponseRedirect
from django.shortcuts import render
from studCourseRegApp.models import student, course, projectForm
def add_project(request):
    if request.method=="POST":
        form=projectForm(request.POST)
        if form.is_valid():
            form.save()
            return HttpResponseRedirect("<h1>Project Data Successfully saved</h1>")
        else:
            return HttpResponseRedirect("<h1>Project details not saved</h1>")
    else:
        form=projectForm()
        return render(request, "projectReg.html", {'form':form})

```

### In urls.py

```

from django.contrib import admin
from django.urls import path
from studCourseRegApp.views import home,
studentlist, courselist, register, enrolledStudents, add_project
path('secretadmin/', admin.site.urls),
path('', home),
path('home/', home),
path('studentlist/', studentlist),
path('courselist/', courselist),
path('register/', register),
path('enrolledlist/', enrolledStudents),
path('addproject/', add_project),
]

```

### Outputs

Project Details Registration

127.0.0.1:8000/addproject/

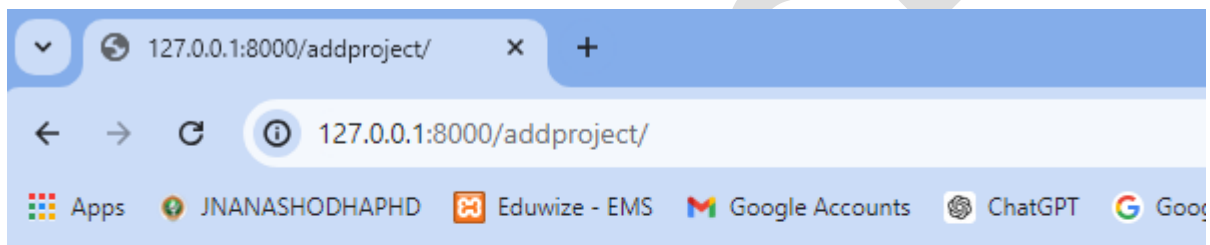
Apps JNANASHODHAPHD Eduwize - EMS Google Accounts ChatGPT Google KPSC | GOK Buzzer App - Snack Home - Netflix Prashanth Kun

## STUDENT COURSE REGISTRATION PORTAL

[HOME](#) | [STUDENT LIST](#) | [COURSE LIST](#) | [REGISTER](#) | [ENROLLED LIST](#) | [ADD PROJECT](#)

Student:	1KS21CS001 Aarna 6
Ptitle:	TIME Tracker
Planguage:	Python
Pduration:	3
Add Project	

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## Project Data Successfully saved

**Conclusion:** we were able to Develop a Model form for student that contains his topic chosen for project, languages used and duration with a model called project.