



K.S. INSTITUTE OF TECHNOLOGY, BENGALURU - 560109

LABORATORY MANUAL 2023-2024 EVEN SEMESTER

Module 5

Aim: Develop a search application in Django using AJAX that displays courses enrolled by a student being searched.

Objective: The students will be able to

Creation of virtual environment, Django project and App to

Concept / Theory:

2. Develop a search application in Django using AJAX that displays courses enrolled by a student being searched.

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

In views.py of app

```
def enrolledStudentsUsingAjax(request):
    if request.method=="POST":
        cid=request.POST.get("ccodeid")
        courseobj=course.objects.get(id=cid)
        studentlistobj=courseobj.student_set.all()
        return
    render(request,'CourseEnrolledListUsingAjax.html',{'course':courseobj,'student
list':studentlistobj})
    else:
        courselist=course.objects.all()
        return
    render(request,'CourseEnrolledListUsingAjax.html',{'courselist':courselist})
```

In CourseEnrolledListUsingAjax.html

```
{% extends 'basicTemplate.html' %}
{% block title %} Course Enrolled List Using Ajax {% endblock %}
{% block content %}
<h1>Enrolled List using AJAX call</h1>
<form action="" method="POST">
    {% csrf_token %}
    Select Course Code :
    <select name="course" id="ccodeid">
        {%for c in courselist%}
        <option value="{{c.id}}">{{c.courseCode}}</option>
        {% endfor %}
    </select>
    <input type="submit" value="Search" />
</form>
```

```

</select>
<input type="button" value="search" id="btn"/>
<span id="resp"></span>
{% if studentlist %}
<h1>Enrolled list of students</h1>
<table border="1">
    <tr>
        <th>
            slno
        </th>
        <th>
            USN
        </th>
        <th>
            Name
        </th>
        <th>
            sem
        </th>
    </tr>
    {% for s in studentlist %}
    <tr>
        <td>{{forloop.counter}}</td>
        <td>{{s.usn}}</td>
        <td>{{s.name}}</td>
        <td>{{s.sem}}</td>
    </tr>
    {% endfor %}
</table>
{% endif %}
</form>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></scrip
t>
<script>
    $(document).ready(function(){
        $("#btn").click(function(){
            var code=$("#ccodeid").val();
            $.ajax({
                type:"POST",
                url:"/CourseEnrolledListUsingAjax/",
                data: {'ccodeid':code,csrfmiddlewaretoken:"{{csrf_token}}"},
                success:function(response){
                    $("#resp").html(response)
                },
            });
        });
    });
});

```

```
</script>
{% endblock %}
```

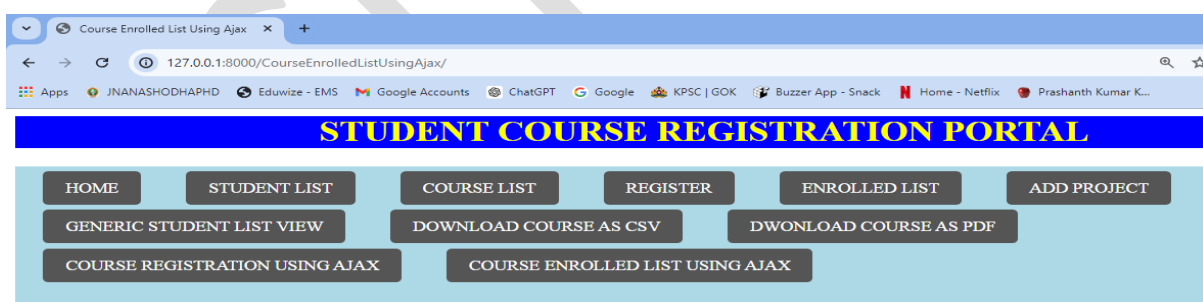
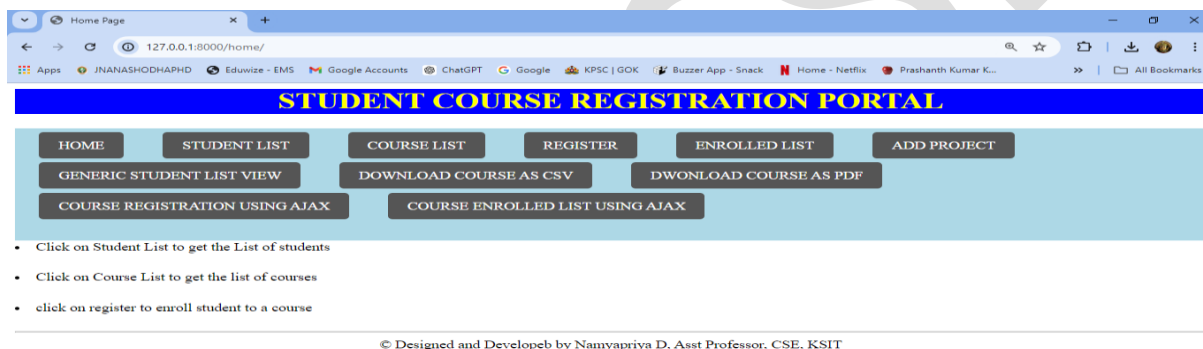
In basicTemplate.html

```
<li> <a href="/CourseEnrolledListUsingAjax/">COURSE ENROLLED LIST USING
AJAX</a></li>
```

In urls.py of Project

```
path('CourseEnrolledListUsingAjax/',enrolledStudentsUsingAjax),
```

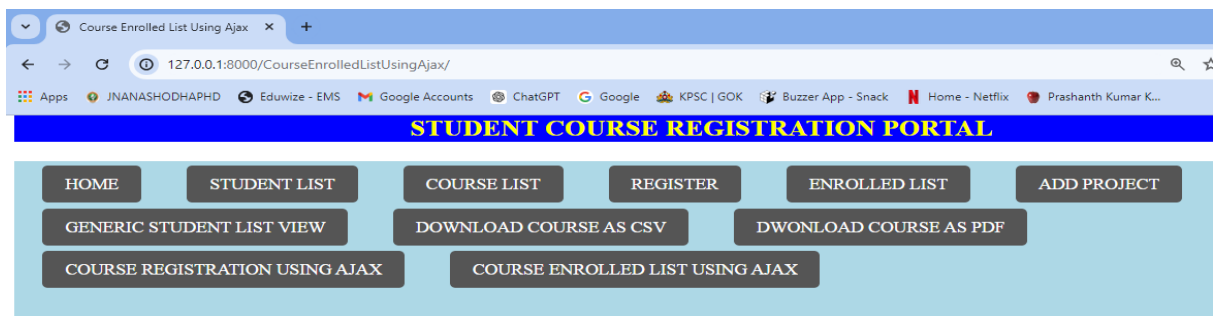
Outputs



Enrolled List using AJAX call

Select Course Code :

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Enrolled List using AJAX call

Select Course Code :

Enrolled list of students

sno	USN	Name	sem
1	1KS21CS001	Aama	6
2	1KS21CS002	Bob	6
3	1KS21CS005	Eshwar	6
4	1KS21CS003	Camie	6
5	1KS21CS004	Doe	6

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Conclusion: we were able to Develop a search application in Django using AJAX that displays courses enrolled by a student being searched.