PROJECT DEVELOPMENT PHASE:

Sprint 1:

TEAM ID	PNT2022TMID33567

Urls.py :

```
urlpatterns = [    path("", views.college, name="college"),
path("notice/<int:myid>/", views.notice, name="notice"),
path("application_form/", views.application_form, name="application_form"),
path("edit_application/", views.edit_application, name="edit_application"),
path("status/", views.status, name="status"),
# Authentication    path("register/", views.register,
name="register"),    path("login/", views.loggedin,
name="login"),    path("logout/", views.loggedout,
name="logout"),
# Admin    path("handle_admin/", views.handle_admin, name="handle_admin"),    path("users/",
views.users, name="users"),    path("student_application/<int:myid>/", views.student_application,
name="student_application"),    path("application_status/<int:pk>/", UpdatePostView.as_view(),
name="application_status"),    path("approved_applications/", views.approved_applications,
name="approved_applications"),    path("pending_applications/", views.pending_applications,
name="pending_applications"),    path("rejected_applications/", views.rejected_applications,
name="rejected_applications"),
]
```

Code Explanation:

It is considered to be a good practice to create a separate urls file for each app. The urls are into three parts 1) For users 2) User Authentication 3) For admin

Models.py :

```python
from django.db import models from
django.contrib.auth.models import User
from django.utils.timezone import now from
django.urls import reverse


class Application(models.Model):
    COURSES = (
    ('Computer Science Engineering', 'Computer Science Engineering'),
    ('Information Technology Engineering', 'Information Technology Engineering'),
    ('Electronics and Telecommunication Engineering', 'Electronics and Telecommunication Engineering'),
('Electronics Engineering', 'Electronics Engineering'),
    )


    STATUS = (
        ('Approved', 'Approved'),
        ('Pending', 'Pending'),
        ('Rejected', 'Rejected'),
    )


    user = models.OneToOneField(User, on_delete=models.CASCADE, blank=True, null=True)
course = models.CharField(max_length=100, choices= COURSES)    name =
models.CharField(max_length=200)    email = models.CharField(max_length=200)
phone_no = models.CharField(max_length=200)    address =
models.TextField(max_length=200)    student_profile =
```

```python
    models.ImageField(upload_to="images")     ssc_percentage =
models.DecimalField(max_digits=4, decimal_places=2, null=True)     ssc_marksheet =
models.ImageField(upload_to="images", null=True) ssc_passing_certificate =
models.ImageField(upload_to="images", null=True)     ssc_leaving_certificate =
models.ImageField(upload_to="images", null=True)     hsc_percentage =
models.DecimalField(max_digits=4, decimal_places=2, null=True)     hsc_marksheet =
models.ImageField(upload_to="images", null=True)     hsc_passing_certificate =
models.ImageField(upload_to="images", null=True)     hsc_leaving_certificate =
models.ImageField(upload_to="images", null=True)     cet_percentile =
models.DecimalField(max_digits=5, decimal_places=3, null=True)     cet_scorecard =
models.ImageField(upload_to="images", null=True)     jee_percentile =
models.DecimalField(max_digits=5, decimal_places=3, null=True)     jee_scorecard =
models.ImageField(upload_to="images", null=True)
    Application_Status = models.TextField(max_length=100, choices=STATUS, default="Pending")
message = models.TextField(max_length=100, default="")


    def str(self):
        return self.name


    def get_absolute_url(self):
return reverse('users')


class Notice(models.Model):
    title = models.CharField(max_length=200)


    def str(self):
        return self.title
```

```python
class Detail(models.Model):

    title = models.ForeignKey(Notice, on_delete=models.CASCADE)

notice = models.CharField(max_length=200)


    def str(self):

        return self.notice
```

Code Explanation:

The most important model of python college admission system is the Application model. It stores all the details of the students personal and educational details. The student while filling the application form gives all these details. The status and message are edited by the admin. Notice and Detail model stores the notice for first, second, third, and fourth year students. It is possible to add any notice for any category of students.

1. For the home page, all the notice for different year students will be shown (college.html):

```html
<div class="container mt-4">

    <h1>Important Notice</h1>
<div class="row mt-4">
 {% for i in notice %}
   <div class="col-sm-6">
    <div class="card">
     <div class="card-body">
       <h5 class="card-title">{{i.title}}</h5>
       <p class="card-text"><a href="/notice/{{i.id}}/">View all recent updates.</a></p>
     </div>
    </div>
   </div>
   {% endfor %}
 </div>
 </div>
```

Views.py :

```python
def college(request):

    notice = Notice.objects.all()     return render(request,

"college.html", {'notice':notice})
```

Code Explanation:

On the first page of the project all the notices will be displayed by using the for loop from the Notice model. Students can see the notice by clicking on the title regarding their year or branch.