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Student Portal of College

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Abstract: ***As we are familiar with pandemic situation and its effects on our life. The COVID-19 pandemic has affected people regardless of nationality, level of education, income or gender. It has affected education system. As most of education, in our country was conducted in offline mode. But due to pandemic, picture has changed. During pandemic all universities were closed. It was very difficult for student pursuing higher education to cope up with situation.***
Online learning or e-learning was the best outcome of this pandemic. Students are connected with teachers, mentors through online meetings. The importance of online learning came into existence. Many colleges adopted various online activities and practices. Most of existing online learning systems do not provide exchange of resources and study material between students and mentors . But the problem is that students expect online learning to be simple and could be performed at ease.
So to deal with this students problem, instead of creating an application which requires download we made a website which can be easily accessed. The website of student portal we implemented makes it easy for students from college to access resources, study materials of each and every subject. Students can solve quiz which are questioned by their mentors. The most important thing is that students can share feedback on performance of mentors. The website is controlled by admin which looks after the various activities of students and mentors.
Keywords: Student, Mentor, Admin, Login, Signup, Student Panel, Mentor Panel, Admin Panel

I. INTRODUCTION

As known and also discussed very often, in this real world education plays a very important role. Education helps us in gaining knowledge of particular subject. Education fulfils the purpose of life .So when gaining knowledge and learning was not possible during pandemic.
Online learning was the only support for gaining knowledge and educating ourselves during pandemic. Many colleges used various online learning for educating their students. In order to overcome issues of online learning of college, which could be due to lack of interaction between mentors and students, we have come up with our website “Student portal of College”.
A student portal is a commonly used phrase to describe the login page where students can provide a username and password to gain access to an education organization’s programs and other learning related materials. Main purpose of our website is to help students in gaining education even through distant places and adverse conditions.
A student portal is essential in a digital-first education environment. As it centralizes all college-related announcements, information and resources. It also enables students to take care of all college-related needs from a single location, which means students have fewer accounts to manage.

II. PROBLEM STATEMENT

Modern education has always been closely attached to technology and various trends .Online apps and tools have become part of it. And with outbreak of Covid-19 pandemic, it is not going away anytime soon. Now that makes it absolutely necessary for colleges to have a student portal to look after students education and their academic performance. The objective of student portal is to help students to focus on education and digitize college campus.

III.LITERATURE REVIEW

A. “Usability Study of Student Academic Portal from a User’s Perspective” by Rosmasari Universitas Mulawarman, Samarinda, Indonesia, Novianti Puspitasari, Universitas Mulawarman, Samarinda, Indonesia, Vinda Nur Vadilla, Universitas Mulawarman, Samarinda, Indonesia:

In this paper, there is discussion about usability of student portal. Usability is a key factor that determines the success of a management software or interactive system, like student academic portal. The increasing usage of a portal requires usability evaluation method that is more accurate and effective to found usability problem, so it can be used for management service improvement in the academic process.

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B. *":Students' portal architecture based on SOA" by Rami A. Y. Raba Information System Department, Limkokwing University, Cyberjaya, Malaysia Mohammed M. I. Awad Software Engineering Department, University of Palestine, ALzahra, Gaza, Palestine*:

The students' portal represents a major part among university information systems. Lack of components distribution is a gap that leads to many problems in students' portals in most of universities worldwide, which is due to tightly-coupled components in the current portal framework. A comparison between the traditional students' portal framework and the new students' portal framework is presented. In addition, the paper discusses how to distribute the students' portal components.

C. *"Student Industrial Internship Web Portal" by Aliza Bt. Sarlan Universiti Teknologi Petronas, Bandar Seri Iskandar, Tronoh, Perak, Malaysia ,Wan Fatimah Bt Wan Ahmad Universiti Teknologi Petronas, Bandar Seri Iskandar, Tronoh, Perak, Malaysia:*

This paper discusses about the portal that allows internship eligibility checking, registration, student-lecturer assignment, visit schedule, online-logbook submission and monitoring as well as grade book of industrial internship program.

D. *"An online portal for collaborative learning and teaching for power engineering education" by S. Suryanarayanan Arizona State University, Tempe, AZ, USA and E. Kyriakides Arizona State University, Tempe, AZ, USA*:

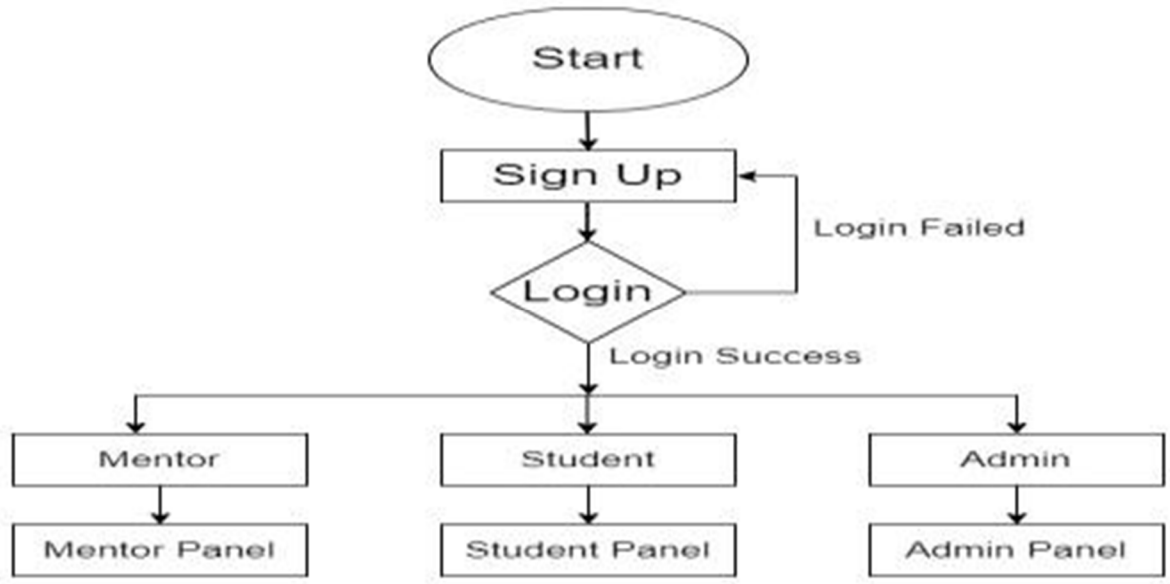
This paper describes a web-based portal of peer-ranked sites on power engineering for educational purposes.This multimedia-based application offers the educator and the student access to numerous power engineering resources.

E. *"Web Portal for Effective Student Grievance Support System" by K. Aravindhan ,K. Periyakaruppan, SNS College of Engineering, Coimbatore, India:*

This paper discusses about web portal in which students can address their complaints which are forwarded to the Grievance Redressal Committee. The Committee will forward the valid complaints to the Institute or Department supporting the sensitivity of the matter.

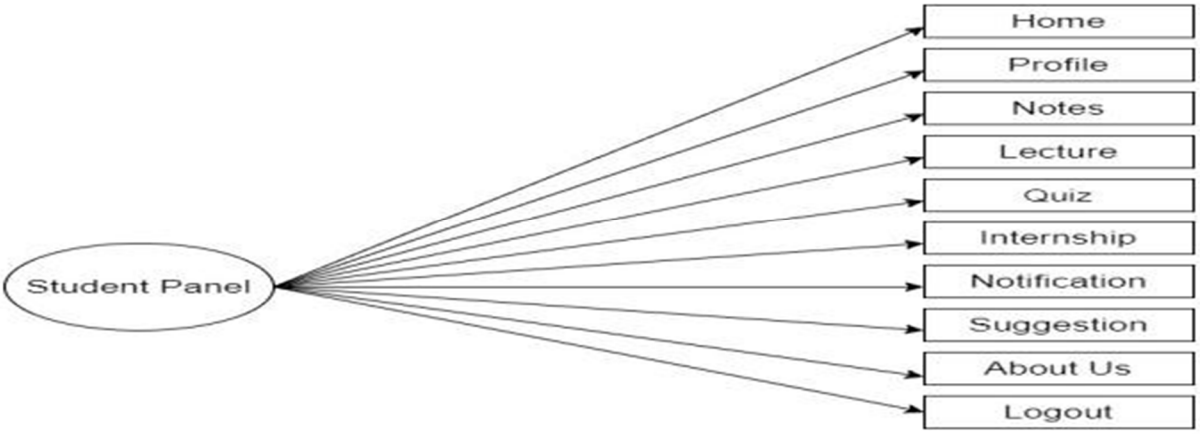
IV. IMPLEMENTED SYSTEM

Our system allows students ,admin and mentors to sign up. After sign up students, mentors and admin can login using email and password. Once a mentor sign up it requires approval from admin for login. After login student is directed to student panel, mentor is directed to mentor panel and admin is directed to admin panel.



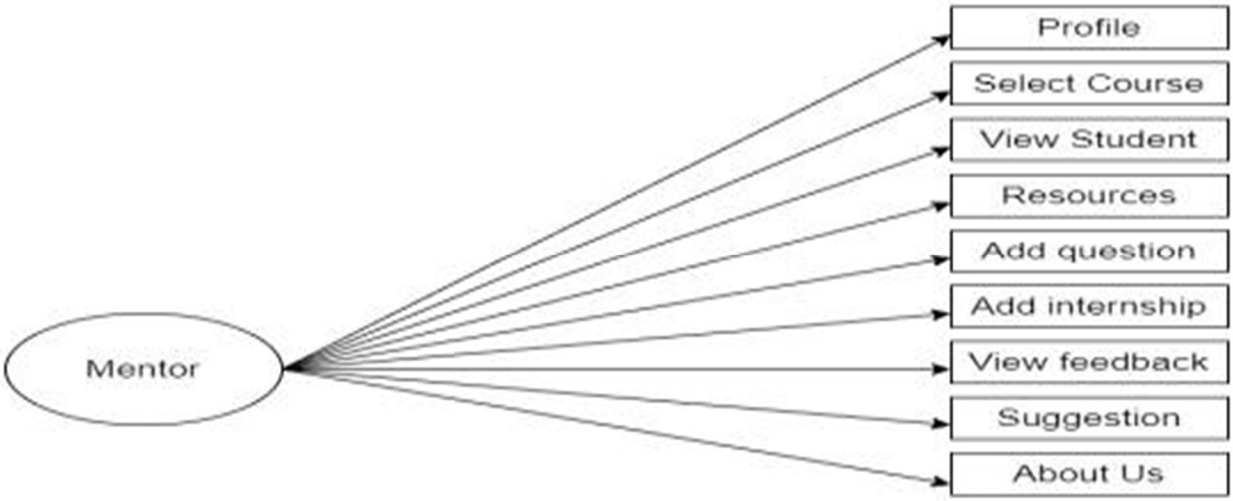
Architectural Design

In above fig. 4.1 Signup is done by mentors, students and admin. After signup , login is done by them. If login is not successful they are reverted back. The above figure shows admin panel options.



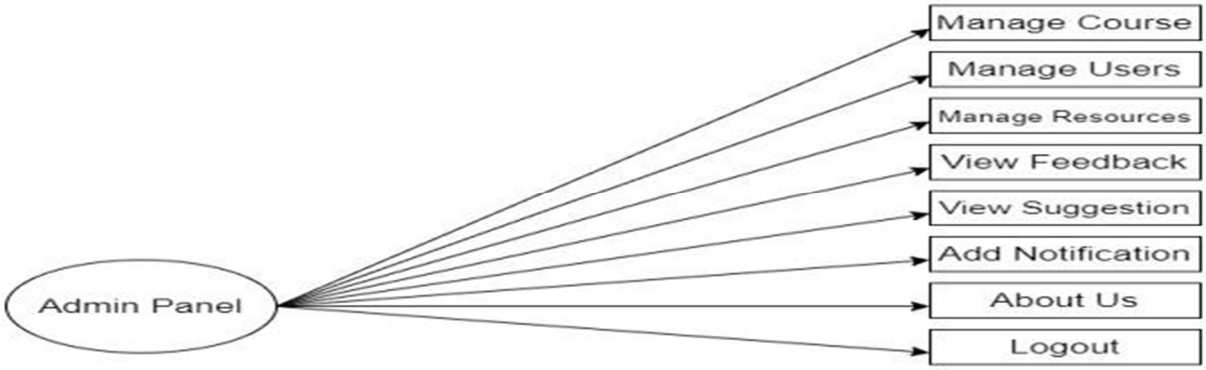
Student Panel Options

The above figure 4.2 shows student panel options. This options are accessed by students.



Mentor Panel Options

The above figure 4.3 shows mentor panel options. This options are accessed by mentors.

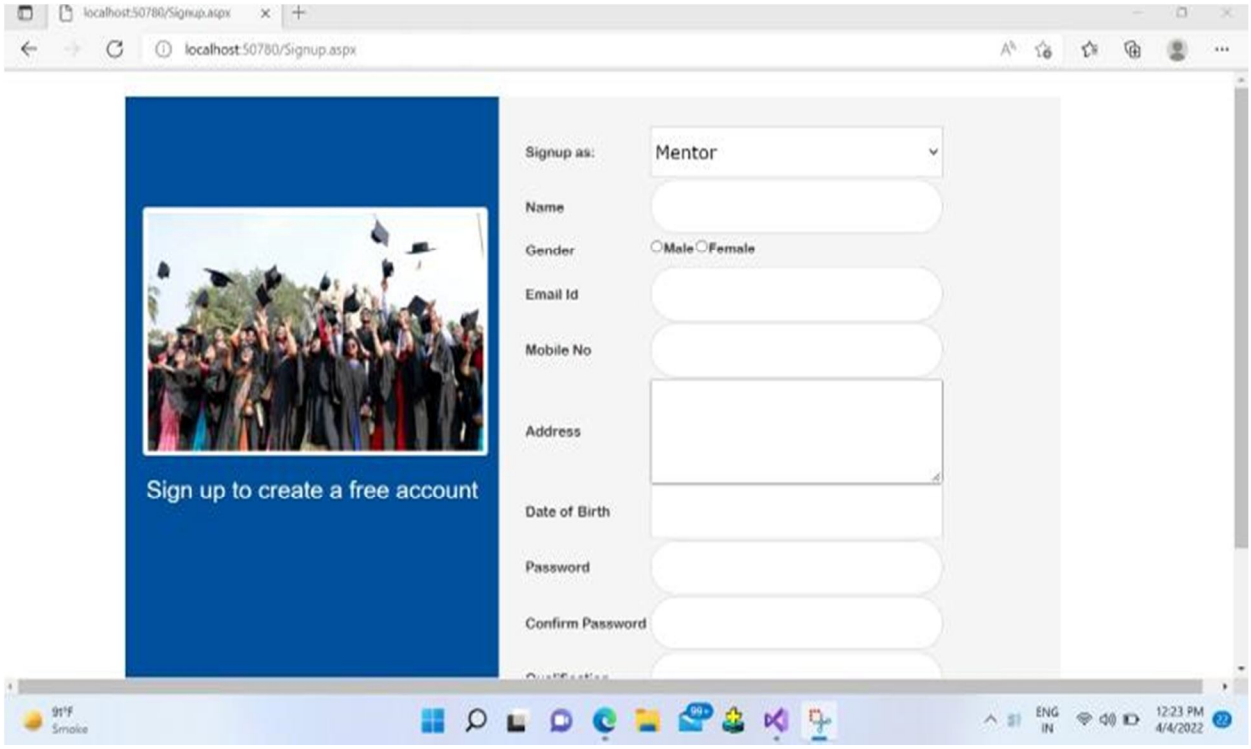


Admin Panel Options

The above figure 4.4 shows mentor panel options. This options are accessed by admin.

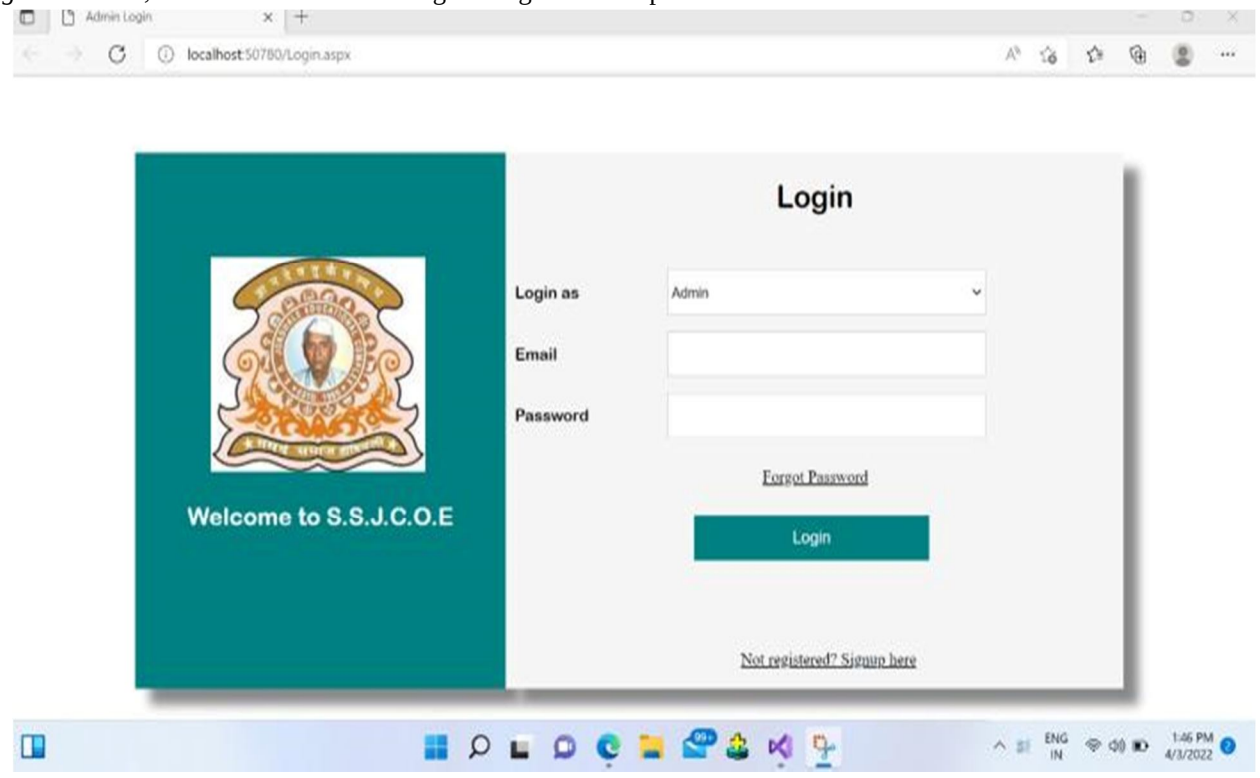
V. RESULTS

1) *Sign up:* Mentors ,students and admin can sign up.



5.1 Signup page

2) *Login:* Students, mentors and admin can login using email and password.

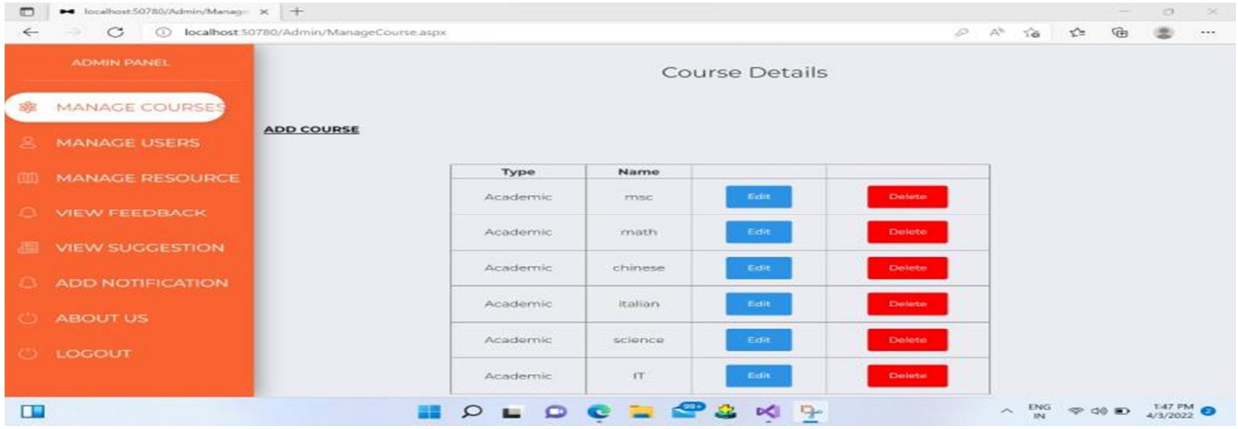


5.2 Login Page

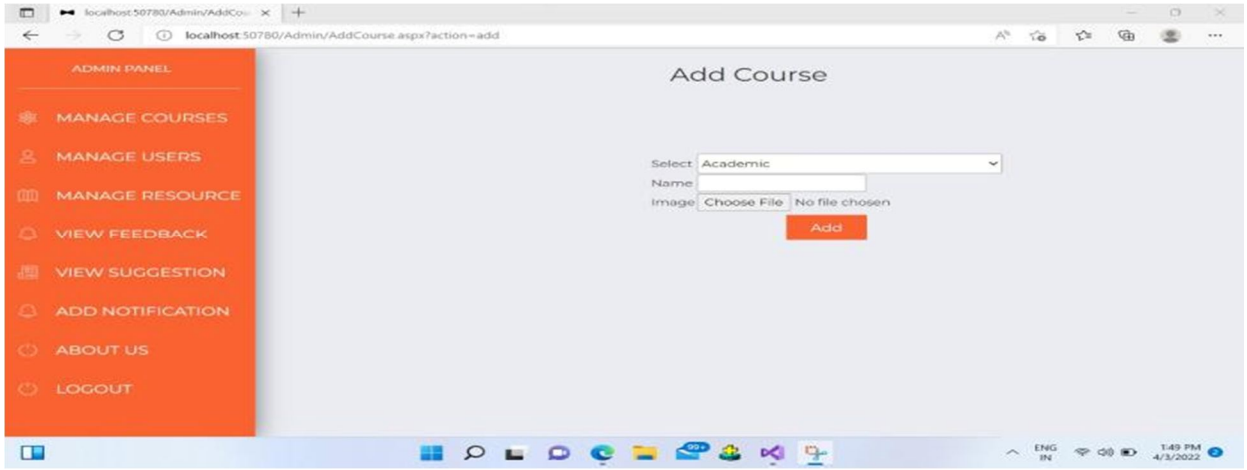
A. Admin Panel

Admin is directed to admin panel. Various options provided to admin are as follows:

1) *Manage Courses:* Using this option, admin can manage courses. Admin can add courses using add course option in manage course page.

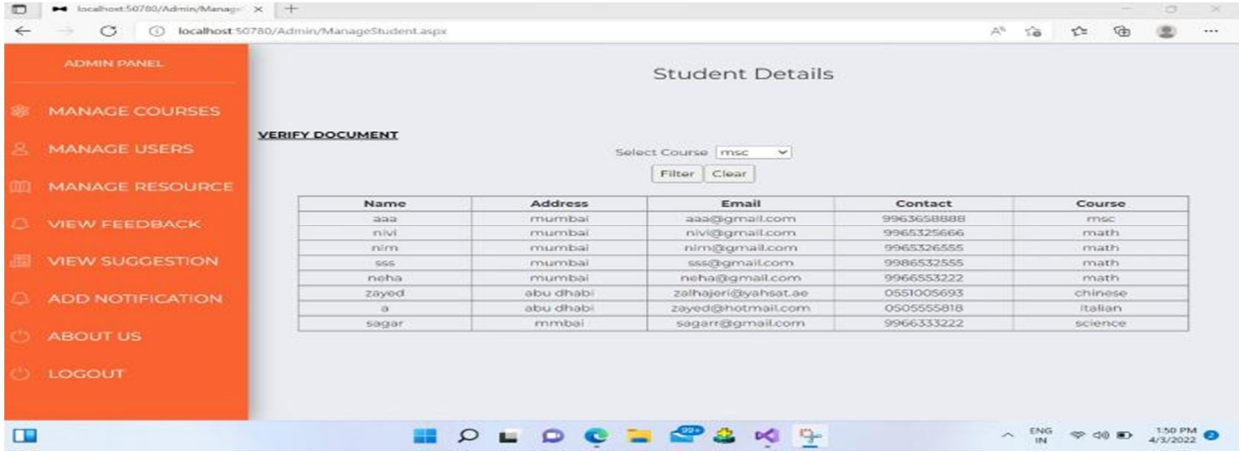


5.3 Manage course page

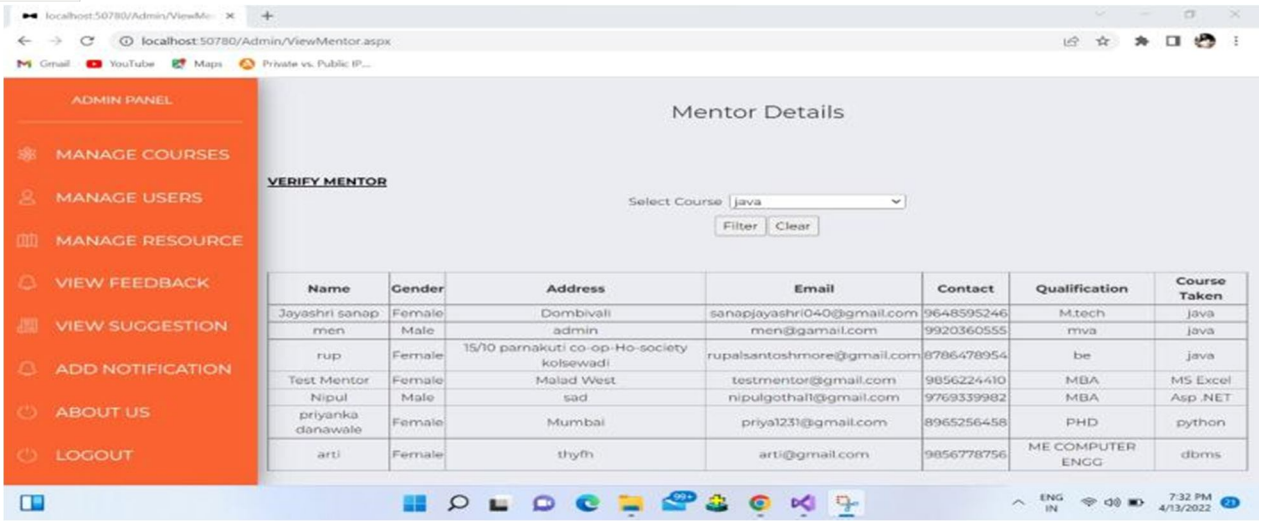


5.4 Add course page

2) *Manage Users:* Using manage users option, admin can view details of students and mentors. Admin can verify documents submitted by students and mentors. Admin provides approval to mentors for login for first time.

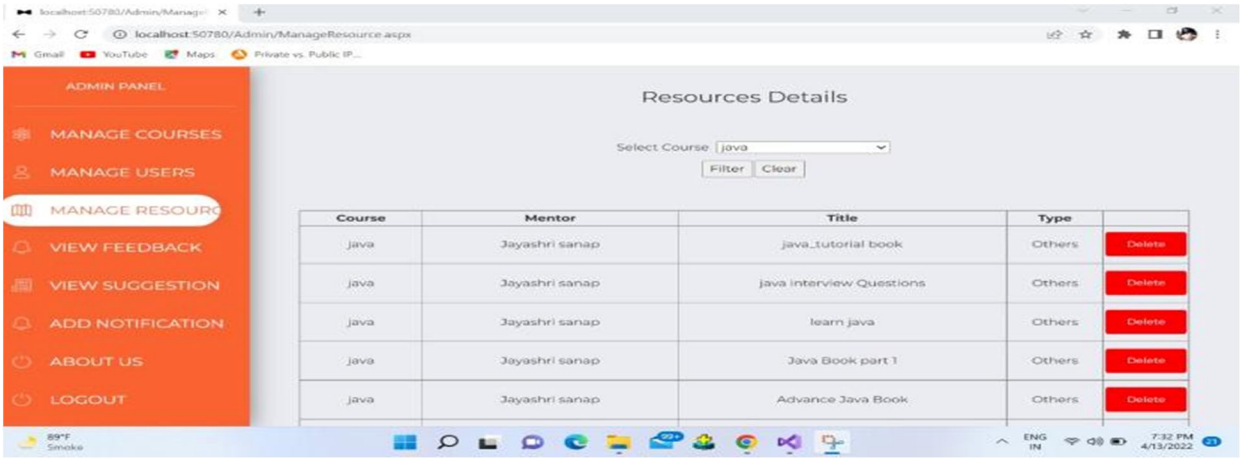


5.5 Manage users : student details page



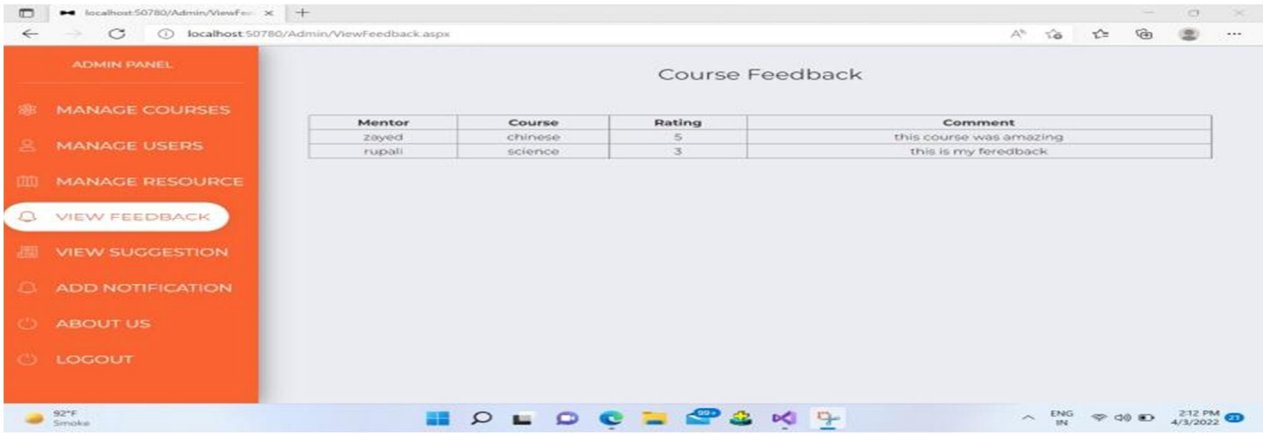
5.6 Manage users: mentor details page

3) *Manage Resources:* Admin can view resources and details of resources like video lectures, photos of books and other study materials provided by mentors to students for learning.



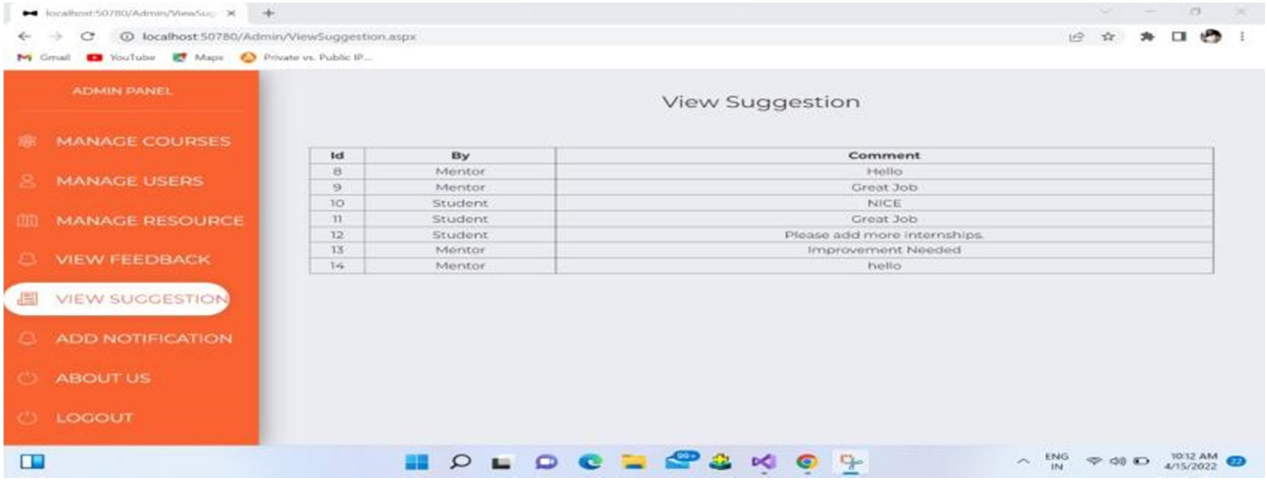
5.7 Manage Resources page

4) *View Feedback:* Admin can view feedback of students on various courses taught by mentors. They can give ratings to mentors teachings.



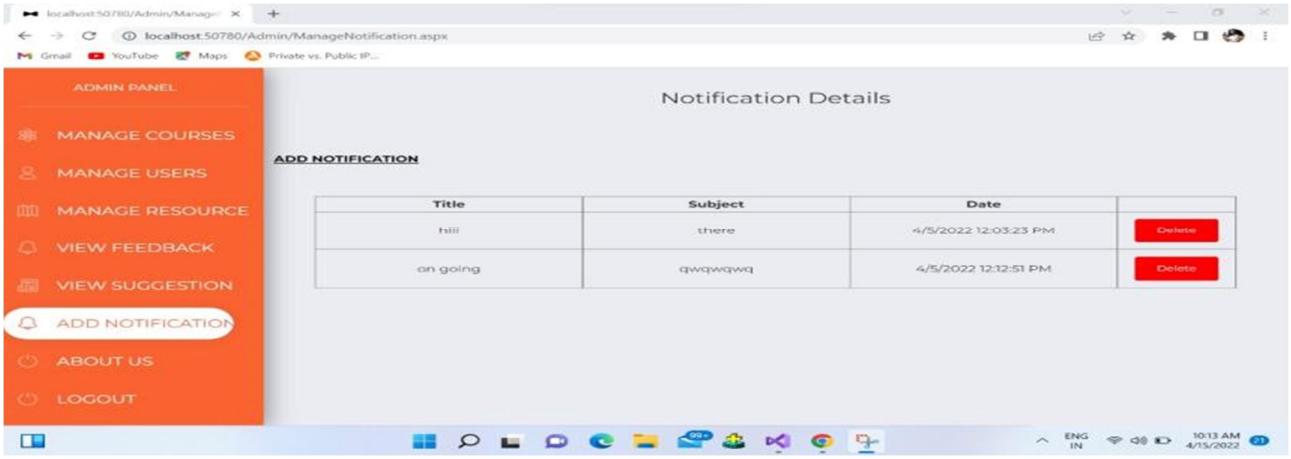
5.8 View Feedback page

5) *View Suggestion:* Admin can view suggestions on various topics provided by students.



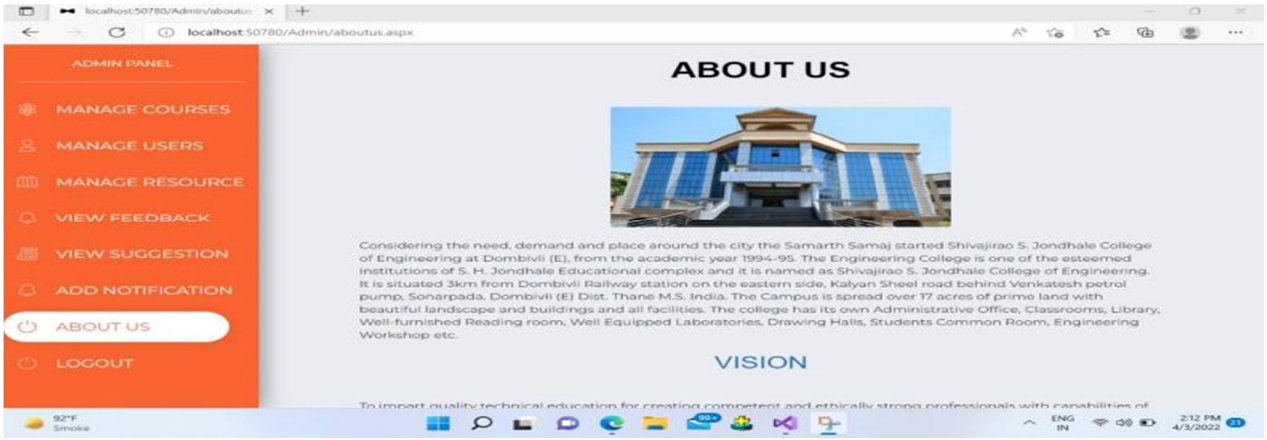
5.9 View Suggestion page

6) *Add Notification:* Admin can add notifications regarding various college events, circulars and exams.



5.10 Add Notification page

7) *About us:* This page depicts college information.



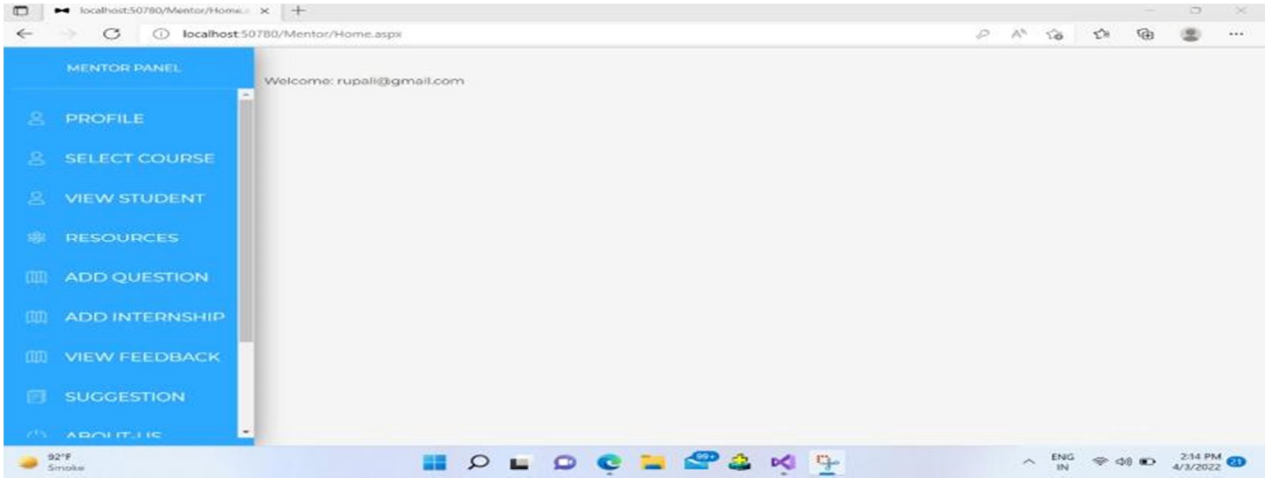
5.11 About us page

8) *Logout:* Using Logout option, admin is reverted back to login page.

B. Mentor Panel

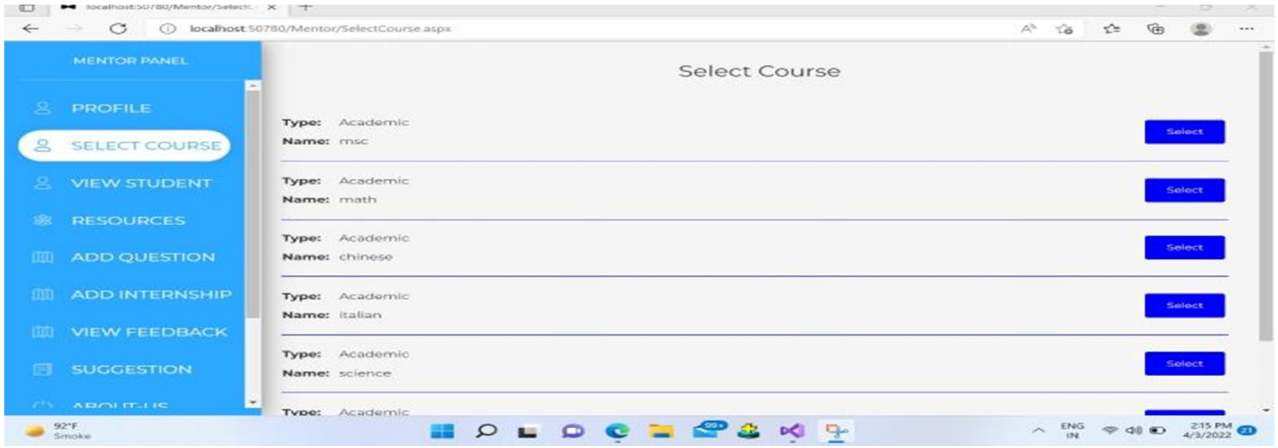
Mentor is directed to mentor panel after login. Various options provided to mentor are as follows:

1) Profile: Profile of mentor is seen on this page.



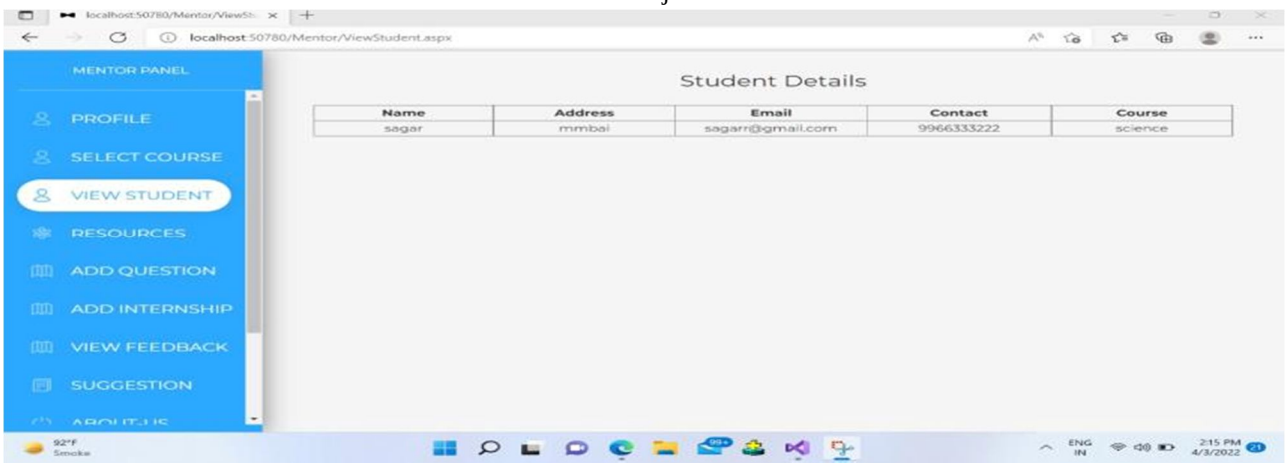
5.12 Profile page

2) Select Course: Using this option , mentor can select courses created by admin.



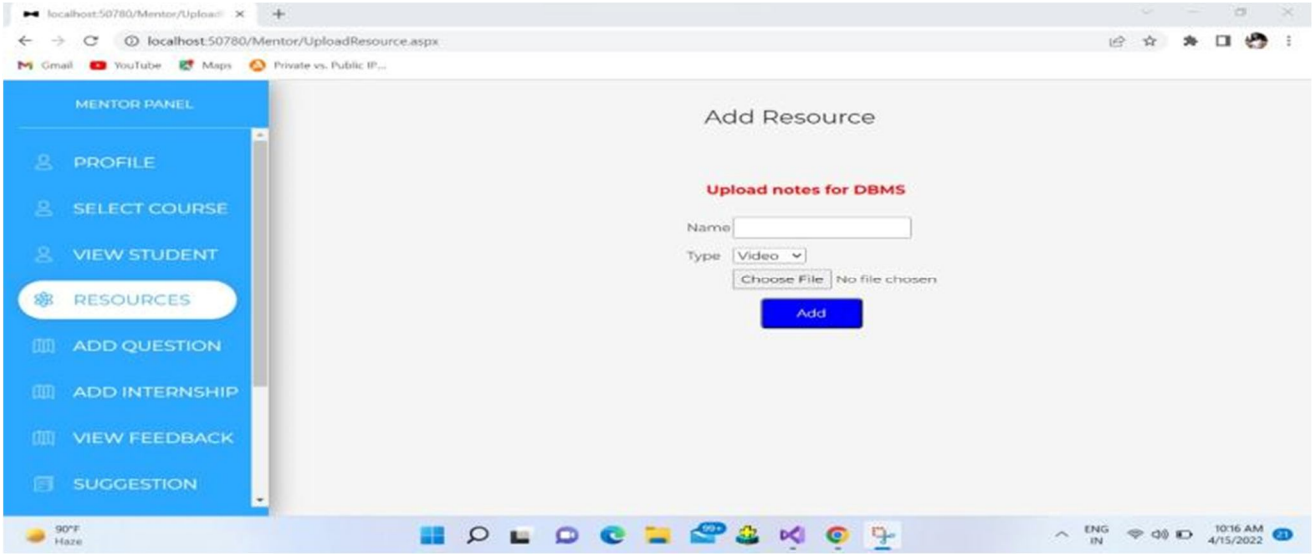
5.13 Select Course page

3) View Student: Mentor can view student details of students who joined the course.



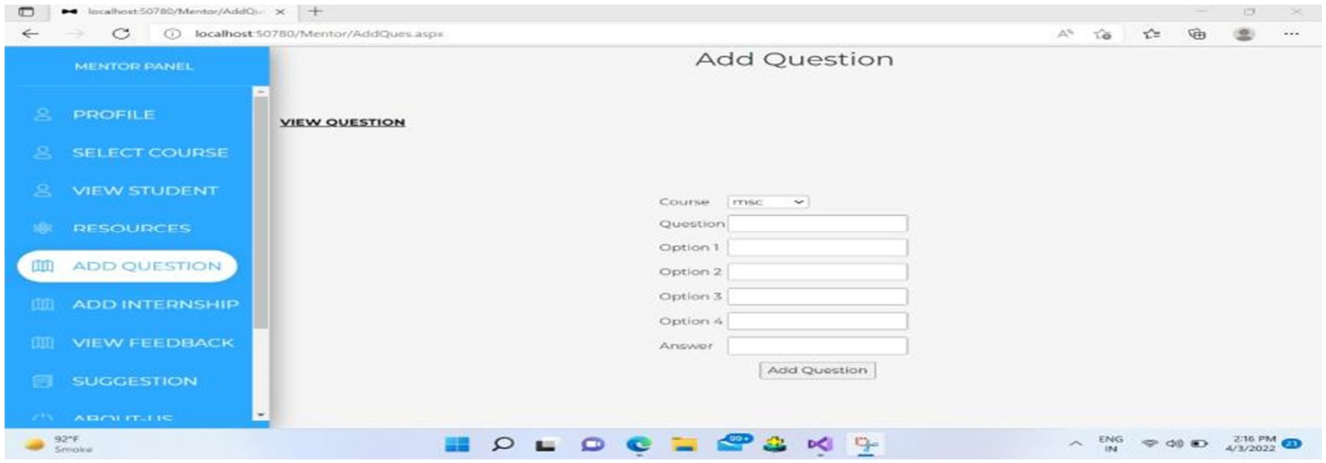
5.14 View Student page

4) *Resources:* Mentor can add study materials like video lectures, books , notes for students.



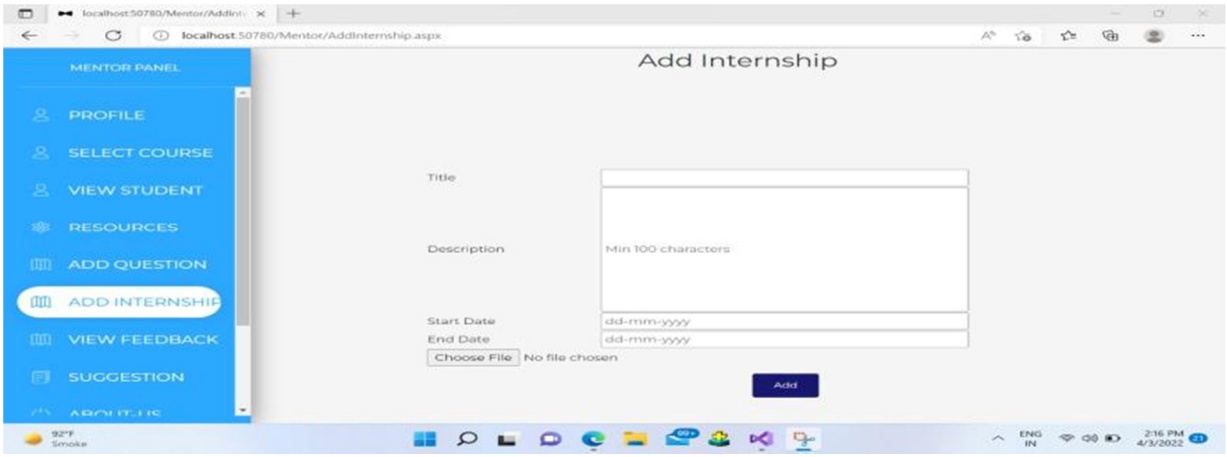
5.15 Resources page

5) *Add Question:* Mentors can add questions regarding to subjects.



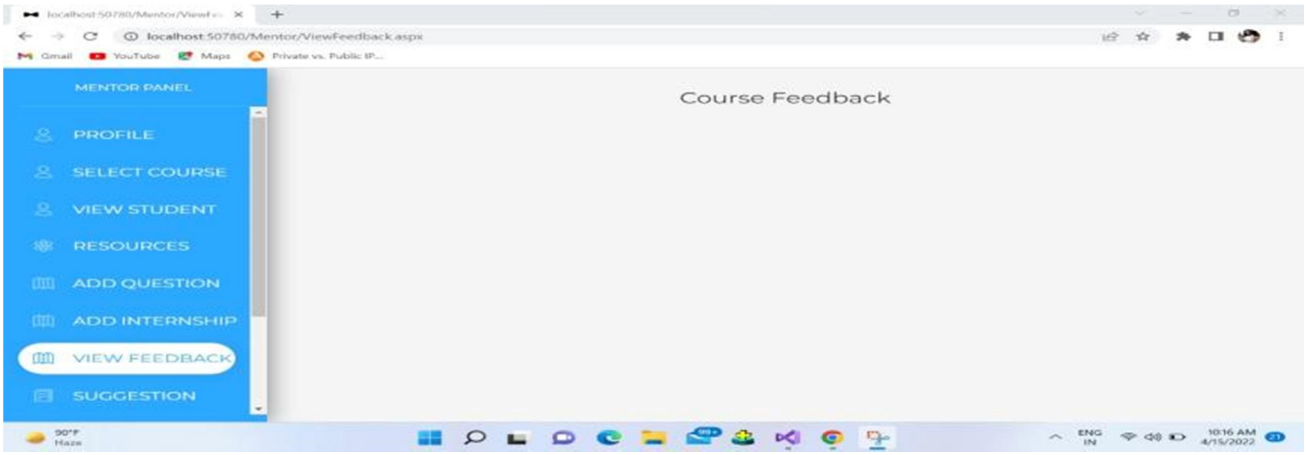
5.16 Add question page

6) *Add Internship:* Mentors can add internships and various training programs for students.



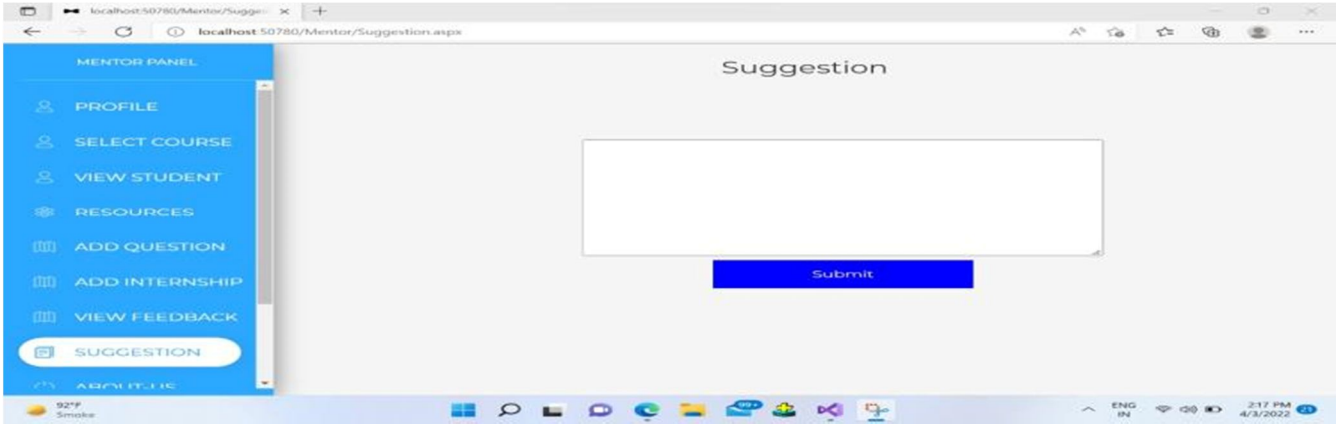
5.17 Add internship page

7) *View Feedback:* Mentors can view feedback of students.



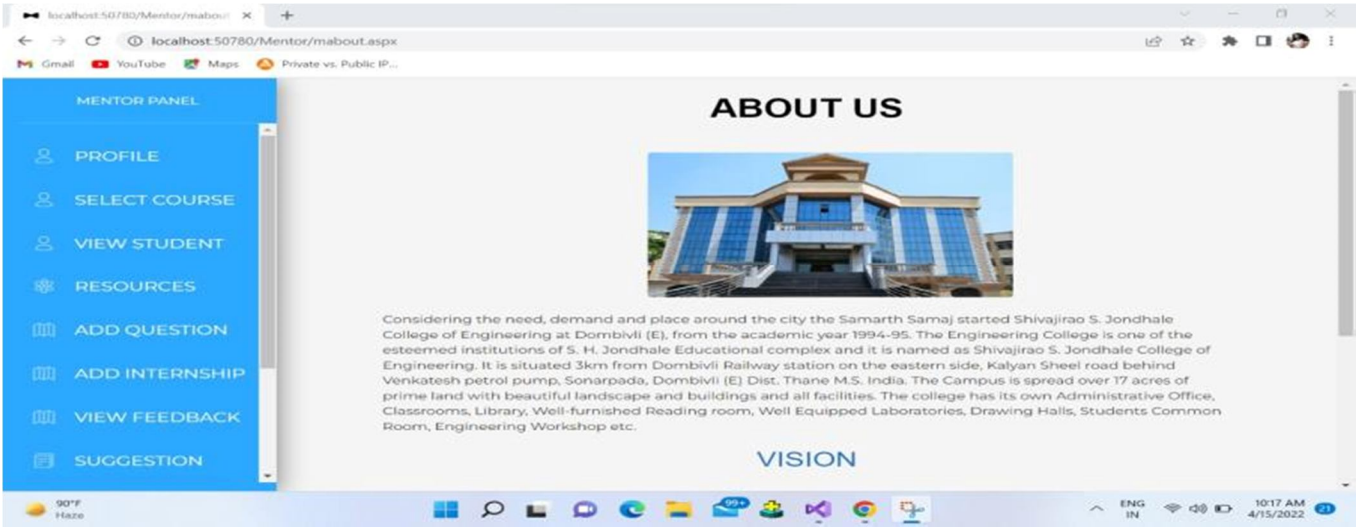
5.18 View Feedback page

8) *Suggestion:* Mentors can give suggestion regarding various activities of college.



5.19 Suggestion page

9) *About us:* This page depicts college information.

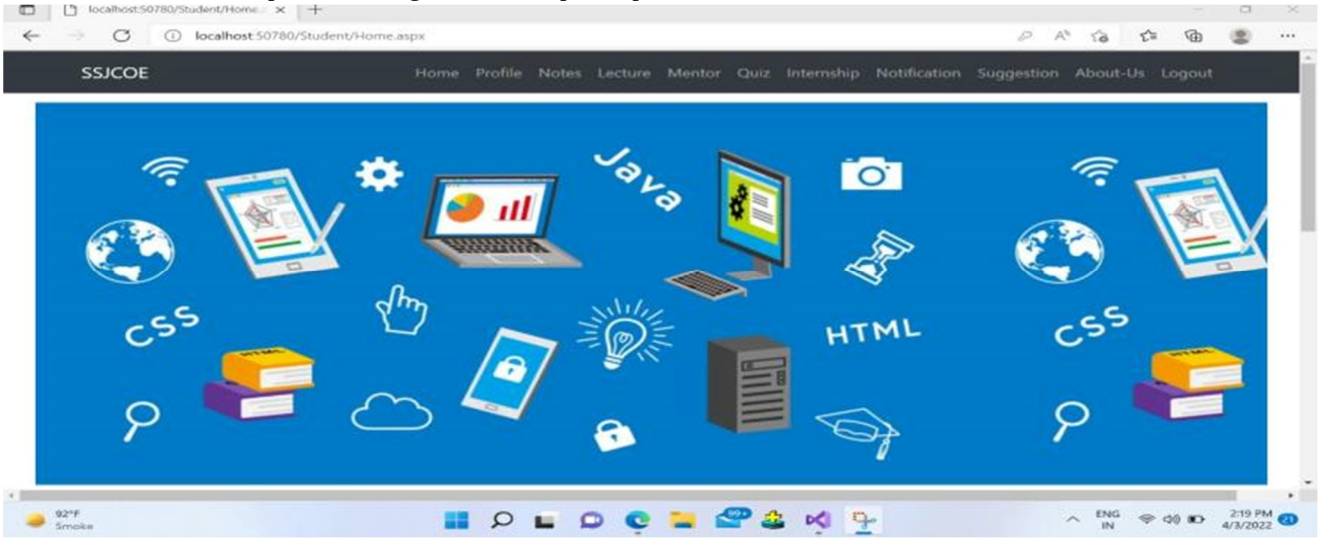


5.20 About us page

10) *Logout:* Using Logout option, mentor is reverted back to login page.

C. Student Panel

Student is directed to student panel after login. Various options provided to student are as follows:



5.21 Student panel

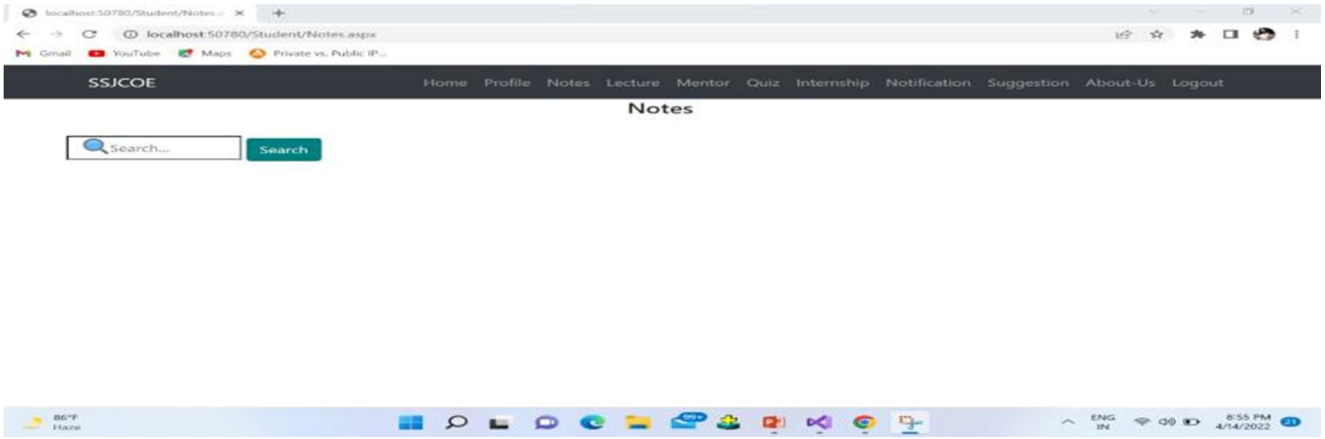
1) Home Page: This is the main page of student panel. It is shown in above figure 5.21.

2) Profile: In profile page, student can view profile and update it.



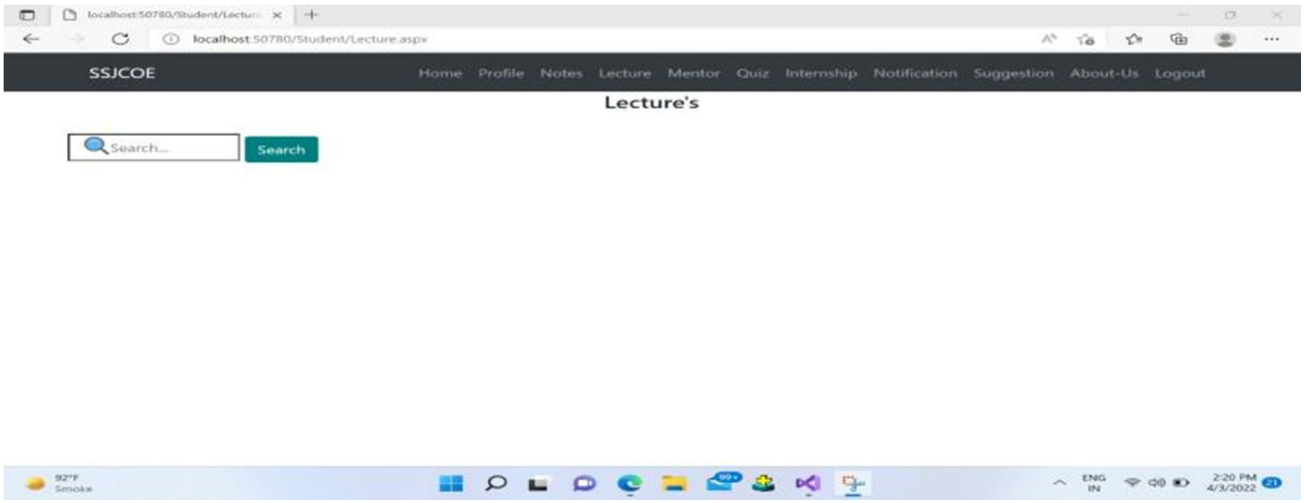
5.22 Profile page

3) Notes: Students can view notes provided by mentors.



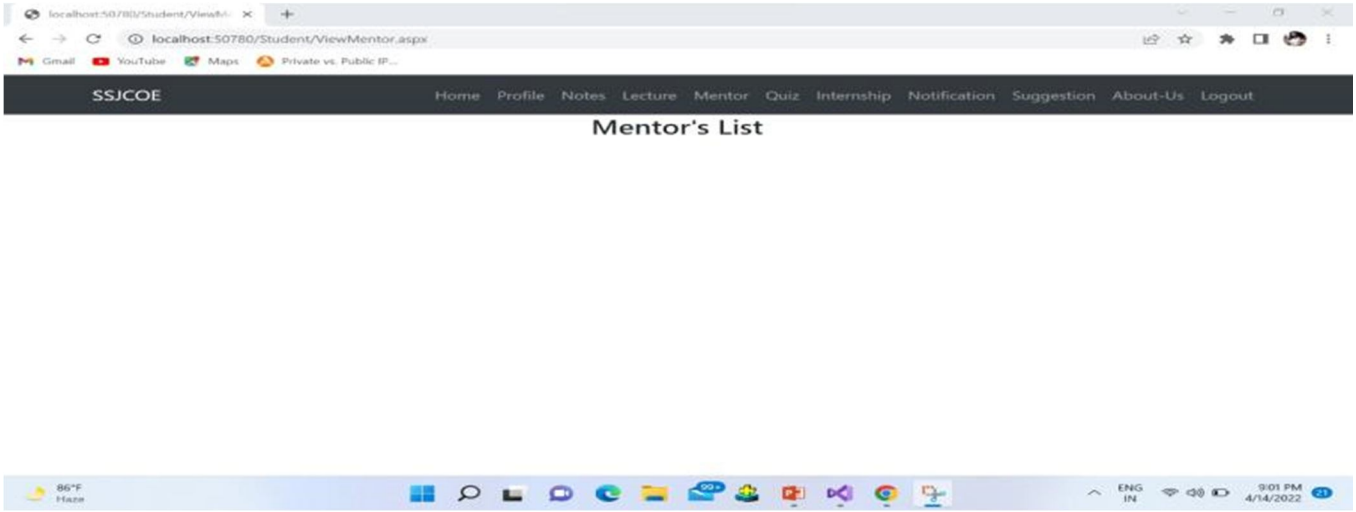
5.23 Notes page

4) *Lecture:* Students can lectures of mentors.



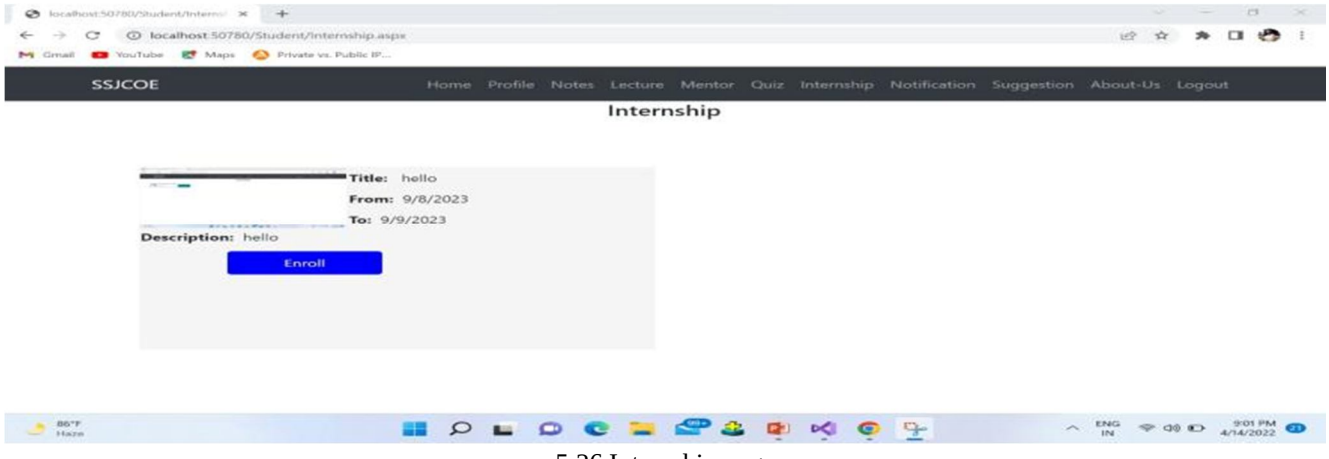
5.24 Lecture page

5) *Mentor:* Students can view mentors assigned for their courses .



5.25 Mentor page

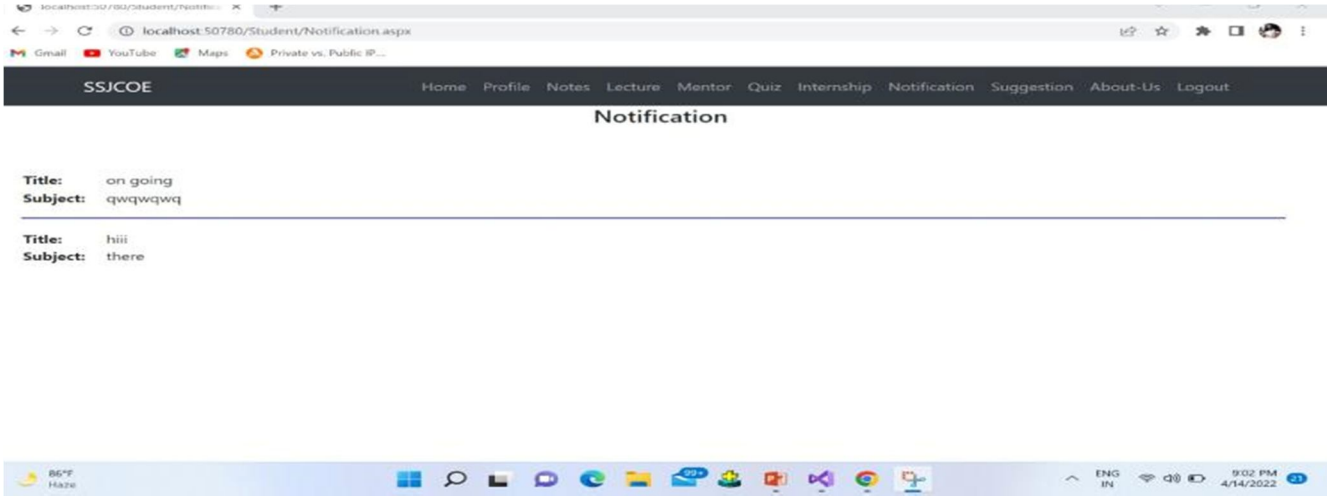
6) *Internship:* Students can view internships provided by mentors and apply for it.



5.26 Internship page

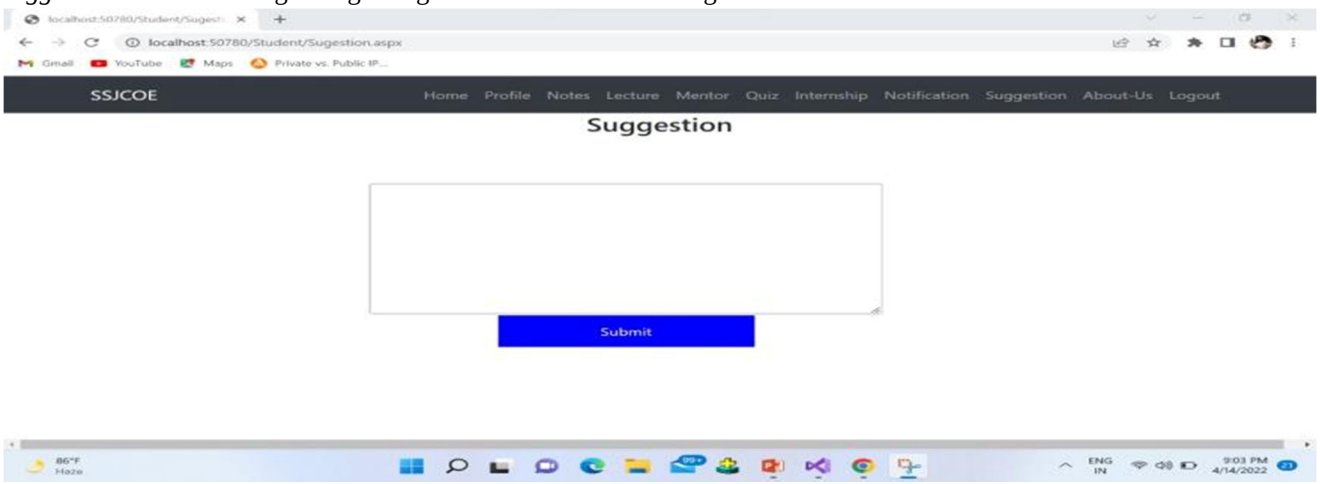
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7) *Notification:* Students can view notifications provided by admin.



5.27 Notification page

8) *Suggestion:* Students can give regarding various activities of college.



5.28 Suggestion page

9) *About us:* This page depicts college information.



5.29 About us page

10) *Logout:* Using Logout option, mentor is reverted back to login page.

VI. CONCLUSIONS

As we see with rapidly increasing technology everything is going online, especially during covid times. Many surveys even reported that there is sudden surge in the number of people investing their time online. Everything is remotely accessible to any person across the globe on tip of his/her finger. Likewise, online education available to students of colleges is important ones. So, with this great surge in providing education in offline modes to through online using student portal. So, to help students studying in college, we have proposed website to access resources, study materials and to interact with mentors.

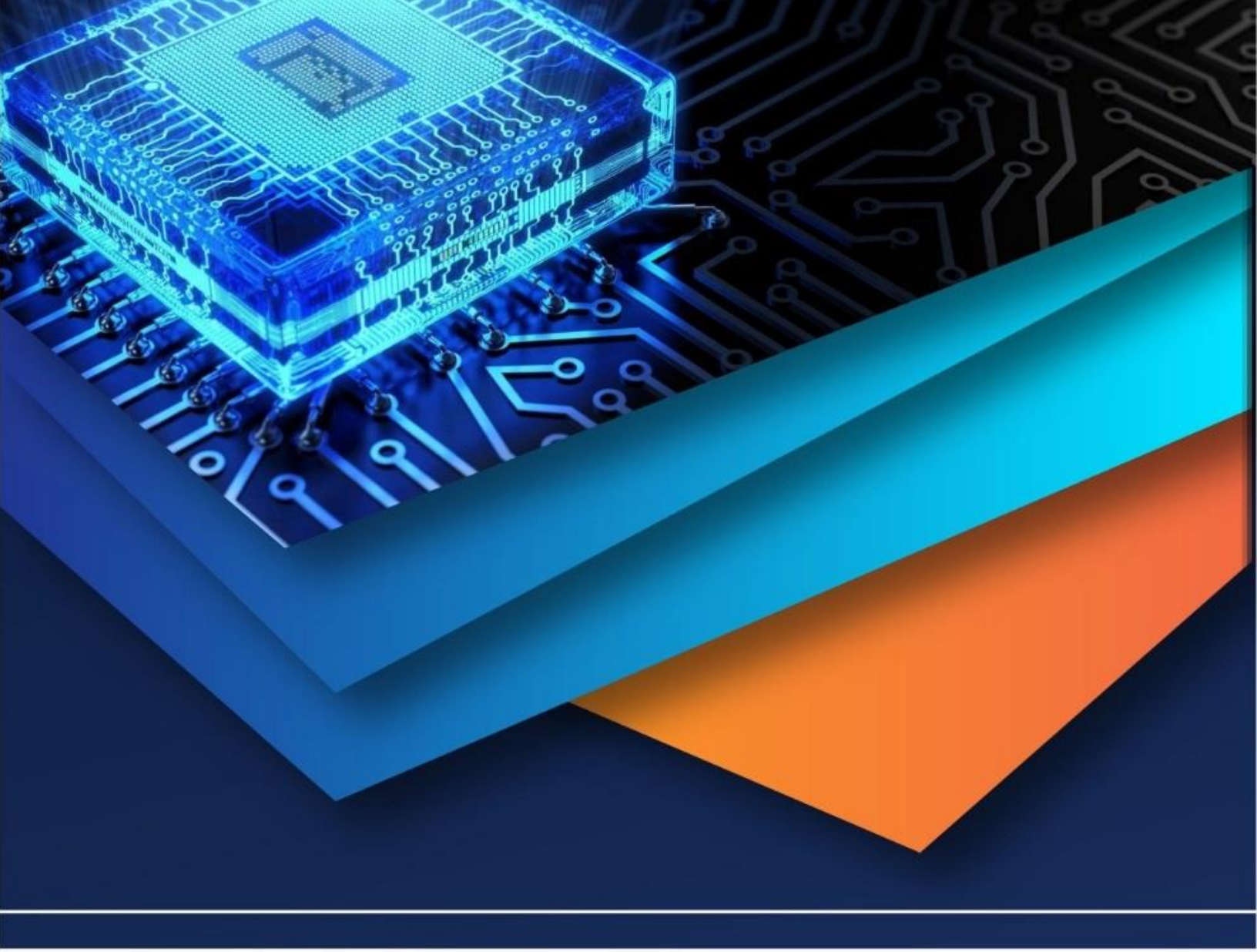
VII. ACKNOWLEDGMENT

We sincerely wish to thank our project guide Prof. Arti Devmane for her encouraging and inspiring guidance that helped us to make our project a success. Our project guide made sure we were on track at all times with her expert guidance, kind advice, and timely motivation which helped us determine our project.. We also express our deepest thanks to our HOD Dr. Savita Sangam whose benevolence helped us by making the computer facilities available to us for our project in our laboratory and making it a true success. Without her kind and keen co-operation, our project would have been stifled to a standstill. Lastly, we would like to thank our college principal Dr. Pramod Rodge for providing lab facilities and permitting us to go on with our project. We would also like to thank our colleagues who helped us directly or indirectly during our project.

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[5] Rosmasari, “Usability Study Of Student Academic Portal from a User’s Perspective,IEEE,2019

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