



**IJIRCCCE**

e-ISSN: 2320-9801 | p-ISSN: 2320-9798



# INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN COMPUTER & COMMUNICATION ENGINEERING

**Volume 10, Issue 5, May 2022**

**ISSN** INTERNATIONAL  
STANDARD  
SERIAL  
NUMBER  
INDIA

**Impact Factor: 8.165**



9940 572 462



6381 907 438



ijircce@gmail.com



www.ijircce.com

# Pravara Technical Campus's Automated System using Cloud Computing

Archana Ugale, Kshitija Nirmal, Mansi Shingote, Rutika Jondhale,

Utkarsha Nikam, Shruti Satpute

Dept. of Information Technology, SVIT Nashik, Maharashtra, India

## ABSTRACT:

In recent years Cloud Computing has become a technological trend. Cloud computing is nothing but an On demand service platform for delivery of services like data storage , databases ,servers , software , networking through internet. Here in our project we are going to integrate different colleges in same campus using cloud computing which will not only be helpful for campus management but also for students.

In this paper you will understand how Cloud Computing can help in making E-Learning and Campus management easier. Here we will be including features like Campus news feed , assignments submission ,Progress reports ,attendance management, and a placement cell management features for academic management .Other than this Transportation management ,Hostel management ,Mess management , Canteen Management , Accounts management like administrative feature will also be included .

## 1.INTRODUCTION

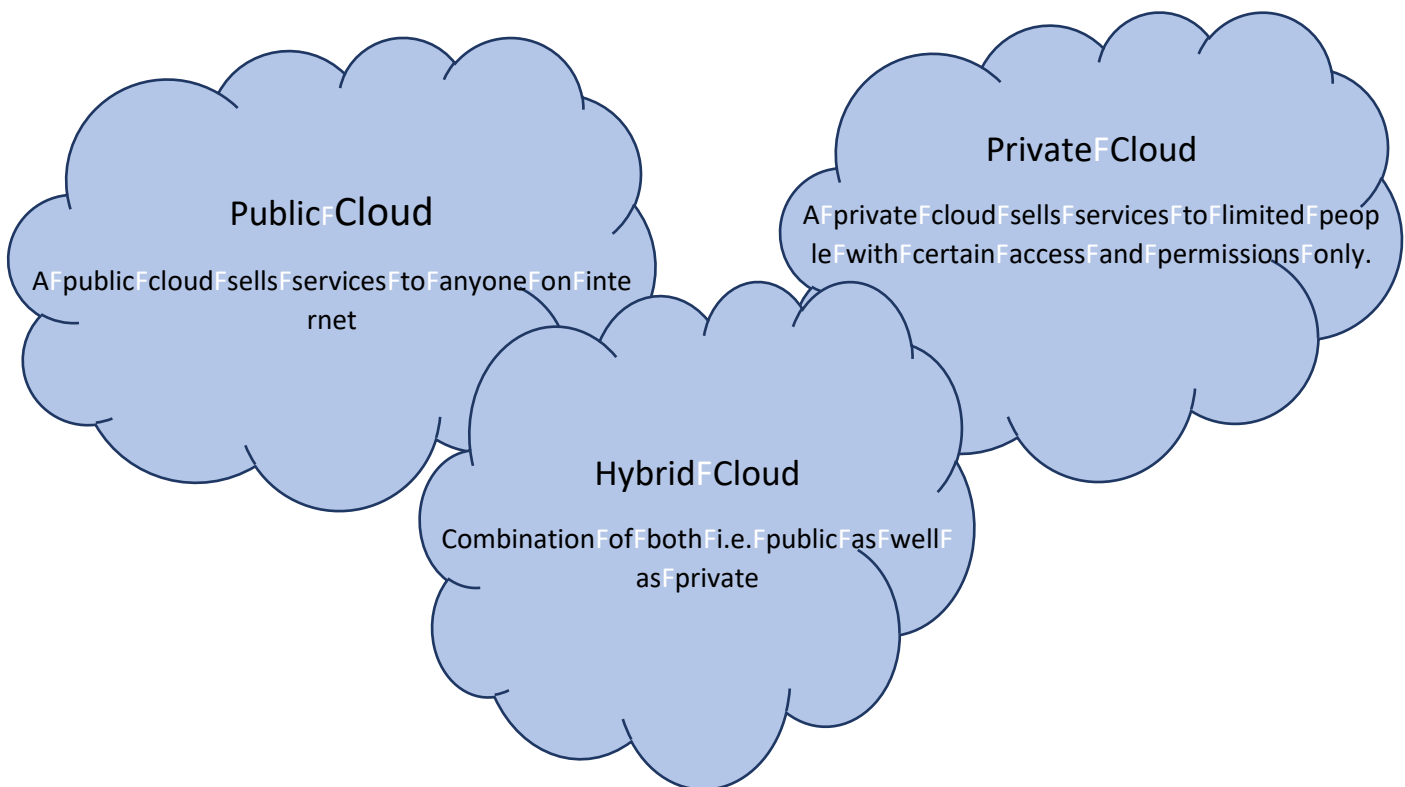
Since it's the age of internet technology , Internet is being used at each an every part of world. even in the field of education where a lot of efforts and paperwork is needed for data management related to student, staff, campus, transportation and many more. This leads to campus automation and since cloud computing is widely behind in many areas campus automation is also done using cloud computing. Every college has database where data of each student is managed. Same database can be used for this purpose and if a campus doesn't contains the data it can be created in an cloud storage instance which will be verified and Only after online authentication user will be provided access and only faculty can update the records of students.

Student data such as name, marks, grade, unique id, contact number, previous grades all are already present in database. Unique id of student here will act as primary key in database which will differentiate between students so that students can view only their own information and do not hinder with other student's entries and data. This makes the system highly reliable and secure. In sense of placement after login only respective staff and training and placement officer or section can see the student information and companies that has put up their requirement.

## II. LITERATURE SURVEY

Cloud computing is a general term for anything that involves delivering hosted services over the internet.

Cloud can be divided as 1.Public Cloud 2.Private Cloud 3.Hybrid Cloud



These services are divided into three main categories or types of cloud computing: infrastructure as a service (IaaS), platform as a service (PaaS) and software as a service (SaaS). Among all these models IaaS is the most basic model. And the other models abstracts details from its lower model.

- ❖ PaaS : Here Client Buys the virtual access to the infrastructure and servers they need to design and deploy applications .
- ❖ SaaS : Providers sells access to application software and databases. SaaS customers are end users who typically access the software through a web browser or client program.
- ❖ IaaS : providers sell access to virtualized resources, including servers, networks, and storage.

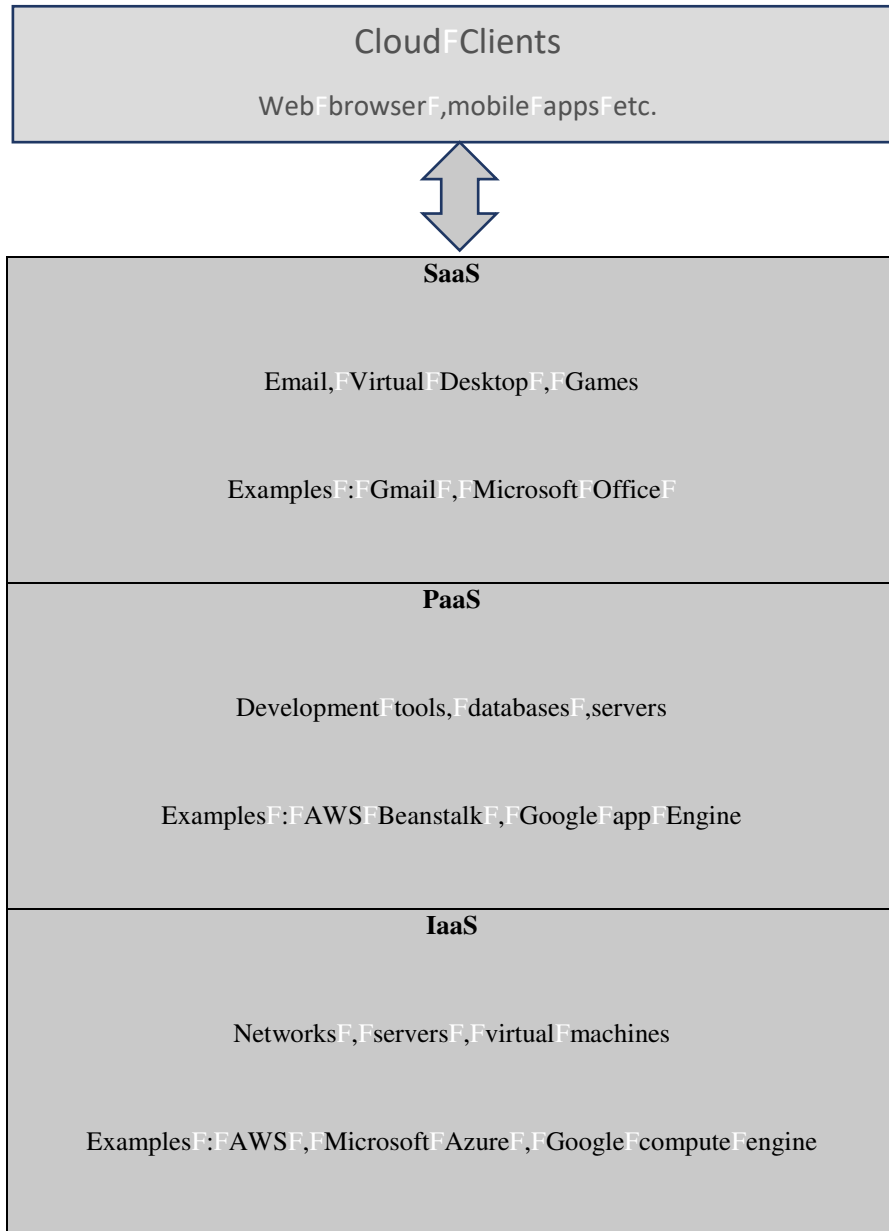


Fig : 2

### III. PROPOSED SYSTEM

Proposed Model of Automated Pravara Technical Campus using Cloud Computing will look like fig 3 .

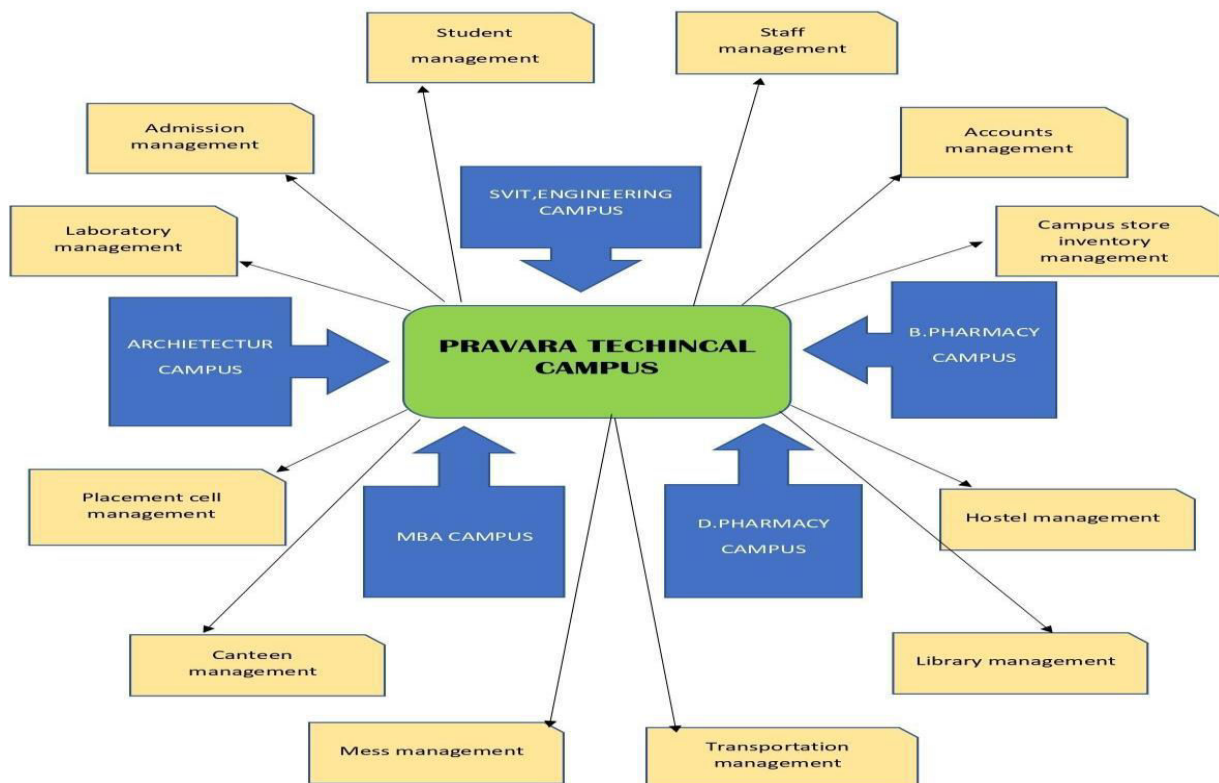


Fig. 3

Now let's explain above diagram: Pravara Technical Campus includes following colleges

- I. Sir Visvesvaraya Institute of Technology (Engineering Campus)
- II. College of B Pharmacy
- III. College of D pharmacy
- IV. MBA college
- V. Architecture college

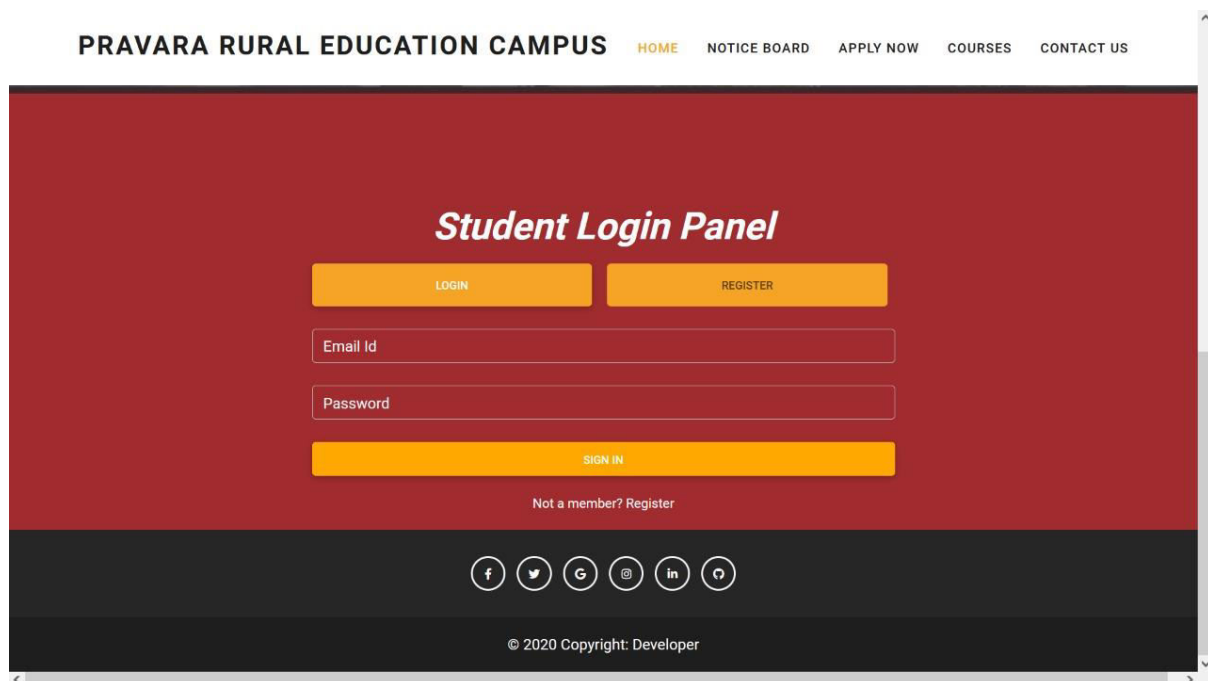
Using our system all the students as well as administrative works of campus are managed at a single place. Following are the facilities that are provided by our system with the help of cloud.

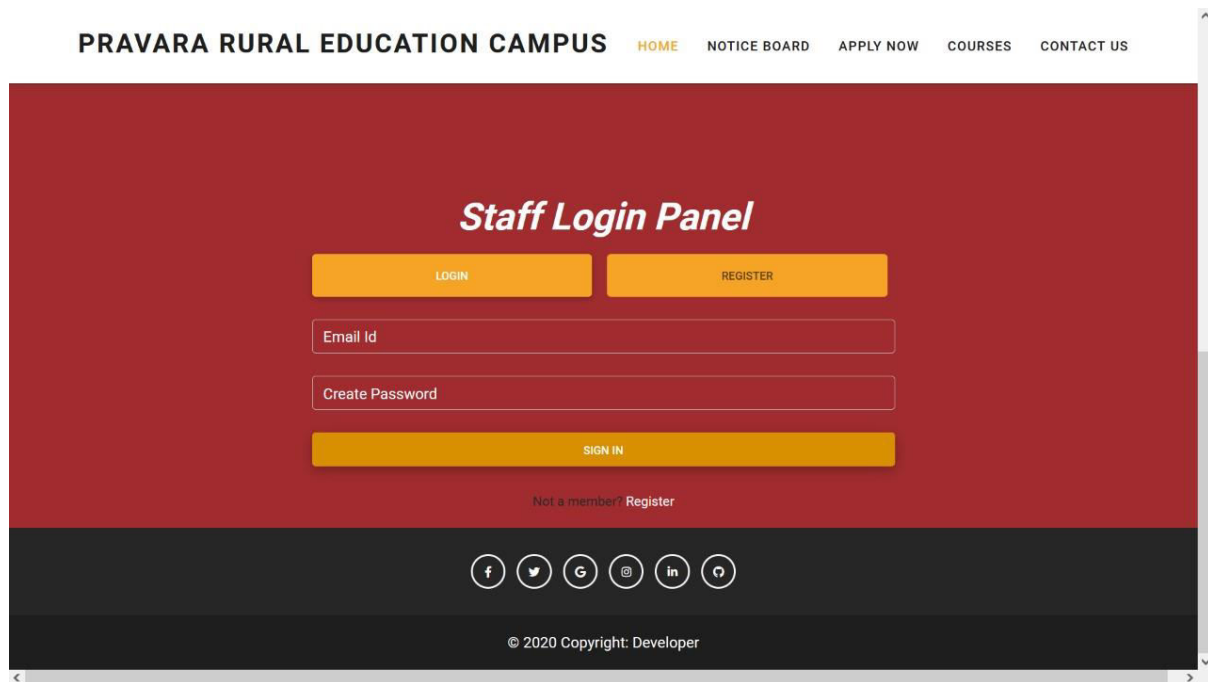
- a. Student Management : Management of students include managing their personal data (i.e. name , address , phone no. etc.),attendance, class progress(i.e. class test scores, prelims scores). This facility is provided to the teaching staffs.
- b. Learning area : Here students are also able to take advantage of our system . students as well as their parents can see their progress reports , attendance, important notices related to college .Also can submit their assignments here, can download uploaded study material and many more useful things.
- c. Company Management : Companies who are interested in hiring freshers from campus will send request for joining our system to the admin . Admin will be a high authority of college provided with the access of system who would be able to accept or deny the permission to the company. After successful joining to the system the companies will be able to post vacancies and eligibility criteria on notice page of the system . Also they will be able to see the students who have applied for the job role and also their progress.

#### IV. RESULTS AND CONCLUSION

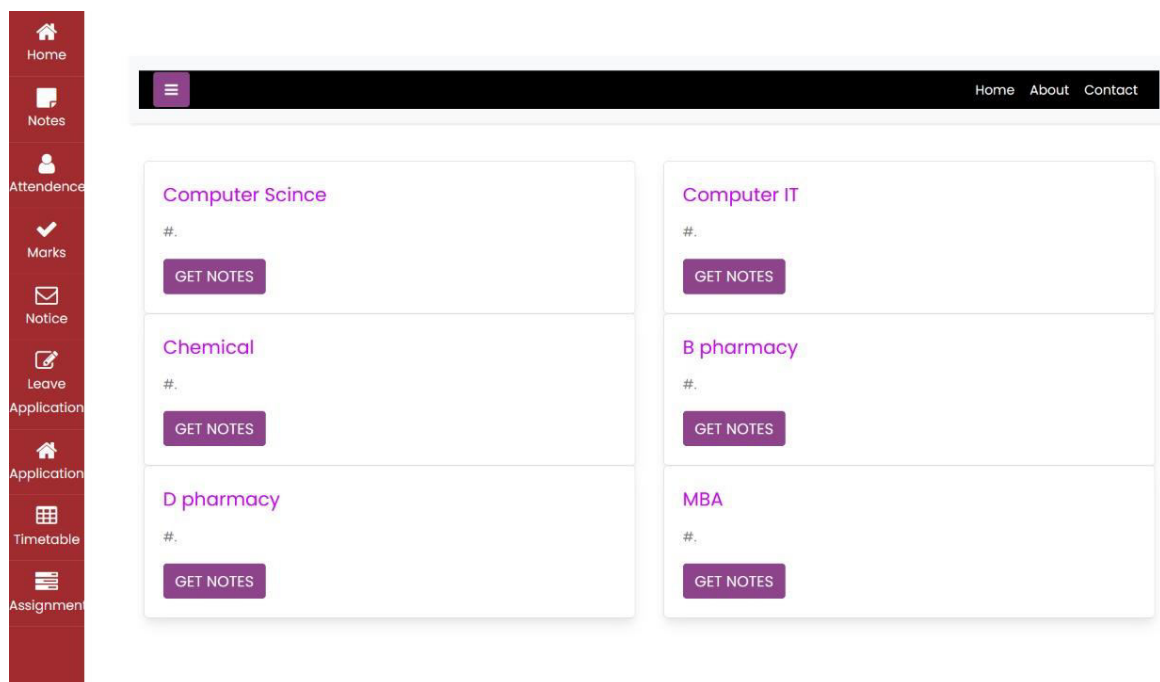
Following are the results of our system:

This is the student login panel the access to this will be provided by admin to all students. New student will register in our system and based on their request the admin will either grant or deny the request. This authentication helps in making system secure .

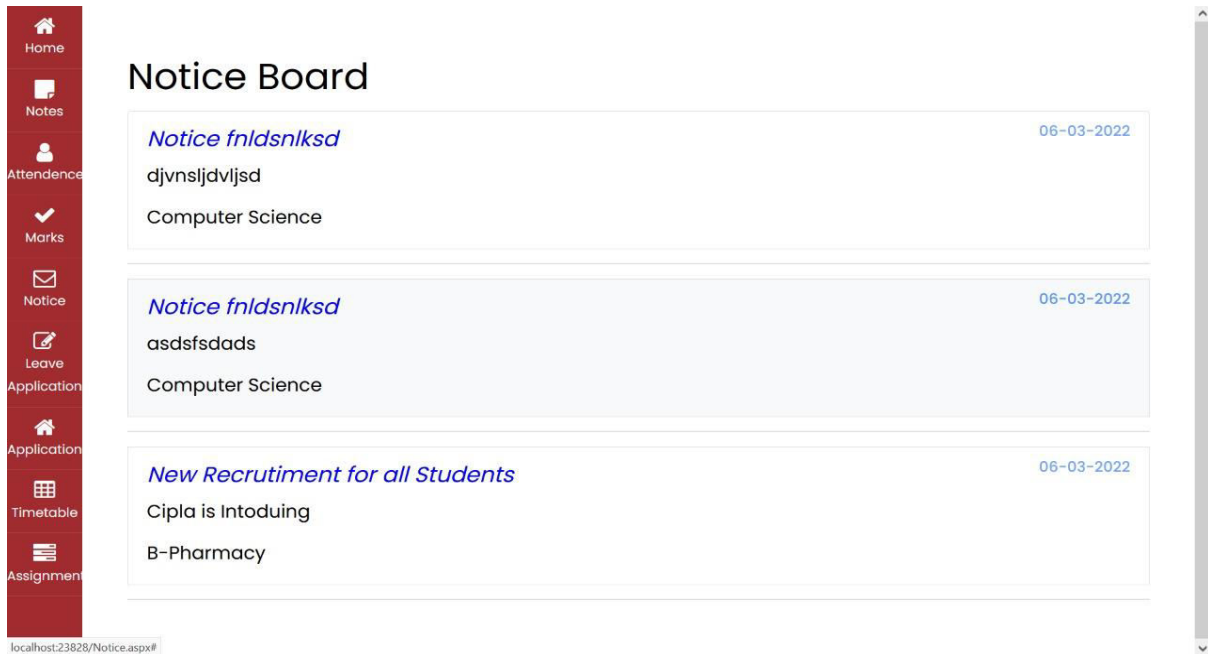




After logging in Students and staff will see the following page where they will be able to do the operations mentioned on left side of the page which includes downloading notes uploaded by staff, getting marks, getting notices updated by college or companies, sending leave application, getting timetable and many more.



Here the notices that will be either uploaded by staff in college or by the companies recruiting from college.



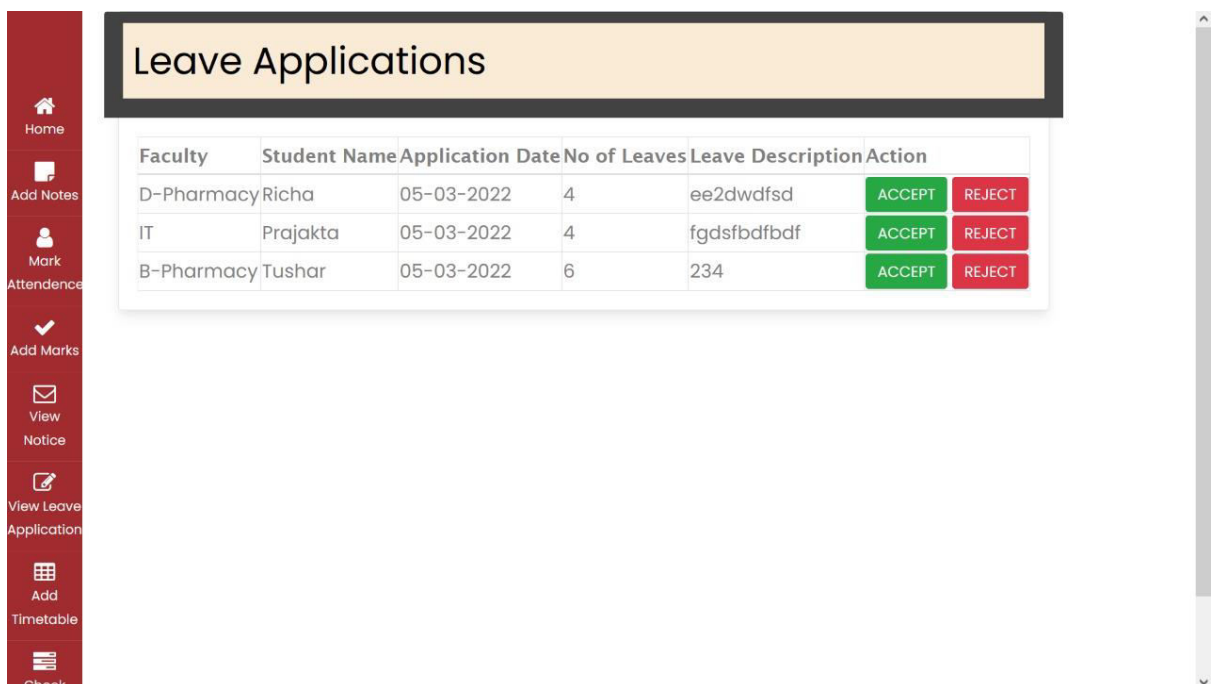
**Notice Board**

*Notice fnldsnksd* 06-03-2022  
djvnsldvjlsd  
Computer Science

*Notice fnldsnksd* 06-03-2022  
asdfsdsads  
Computer Science

*New Recrutiment for all Students* 06-03-2022  
Cipla is Intoduing  
B-Pharmacy

The leave applications sent by students will be visible on the staff screen and he/she will be able to accept or reject the leave application.

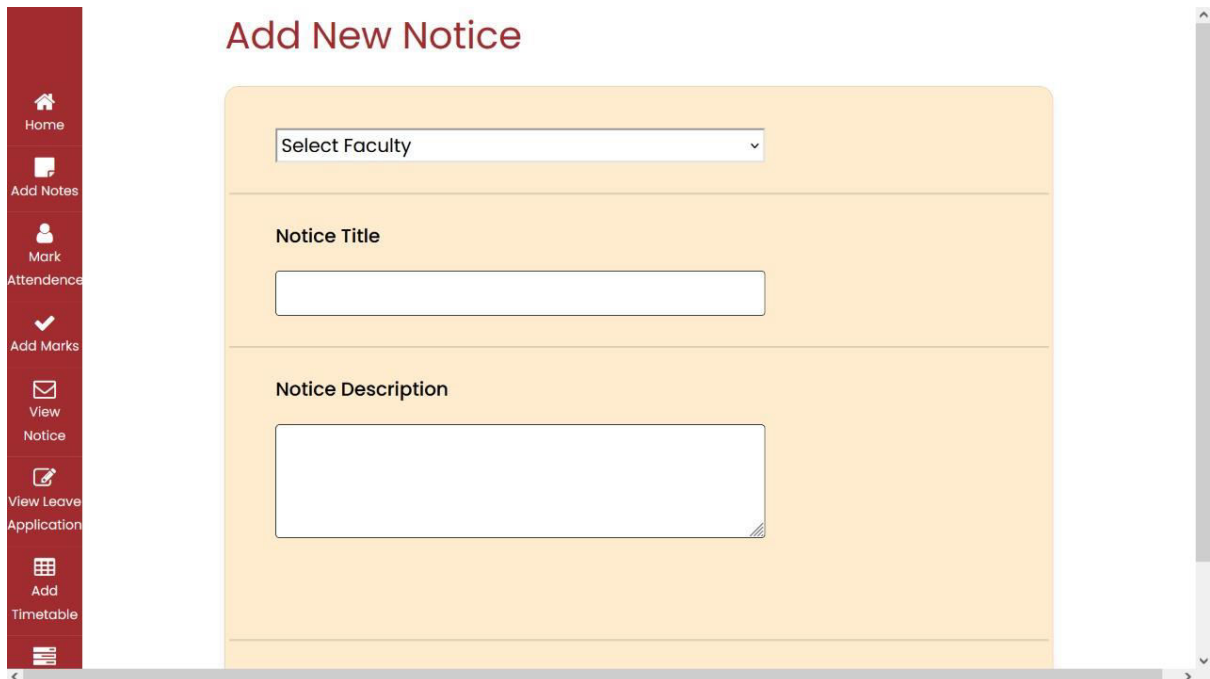


**Leave Applications**

Faculty	Student Name	Application Date	No of Leaves	Leave Description	Action
D-Pharmacy	Richa	05-03-2022	4	ee2dwdfsd	ACCEPT REJECT
IT	Prajakta	05-03-2022	4	fgdsfbdfbdf	ACCEPT REJECT
B-Pharmacy	Tushar	05-03-2022	6	234	ACCEPT REJECT



And From here they will be able to add notices for students.



**Add New Notice**

Select Faculty

Notice Title

Notice Description

## REFERENCES

1. "The NIST- Definition of Cloud Computing". National Institute of Science and Technology. Retrieved 20th May 2012.
2. "Baburajan, Rajani, "The Rising Cloud Storage Market Opportunity Strengthens Vendors," infoTECH, August 24, 2011". It.tmcnet.com. 2011-08-24. Retrieved 20th May 2012. [4]
3. "Oestreich, Ken, "Converged Infrastructure," CTO Forum, November 15, 2010". Thectoforum.com. Retrieved 2012- 4-02.
4. Geetha.C "C- Campus: Using Cloud computing for learning in Colleges" International Conference on Computing and Control Engineering (ICCCE 2012), 12 & 13 April, 2012 ISBN 978-1-4675-2248-9 © 2012 Published by Coimbatore Institute of Information Technology
5. [https://en.wikipedia.org/wiki/Cloud\\_computing](https://en.wikipedia.org/wiki/Cloud_computing)



INNO  SPACE  
SJIF Scientific Journal Impact Factor

Impact Factor: 8.165

 **doi**<sup>®</sup>  
**CROSS** **ref**

**ISSN** INTERNATIONAL  
STANDARD  
SERIAL  
NUMBER  
INDIA



# INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN COMPUTER & COMMUNICATION ENGINEERING

 9940 572 462  6381 907 438  [ijircce@gmail.com](mailto:ijircce@gmail.com)



[www.ijircce.com](http://www.ijircce.com)

Scan to save the contact details