



NIRMALA COLLEGE MUVATTUPUZHA



Best Practices-II



DIGI-CAMPUS

1. Best Practice II: DIGI-CAMPUS "*Lets Transform*"

The institution considers the '**Digital India**' programme as a landmark initiative of the central government as it transforms India into a knowledge based economy and digitally empowered society. The management of the college believes that **National Mission on Education through ICT (NMEICT)** of the central government should get adequate support from higher education institutions so that college campuses will become smart to facilitate the digital transformation process.

2. Aims and Objectives

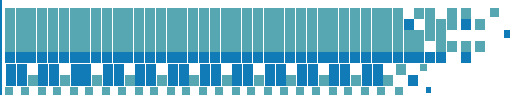
- To be a part of the national mission on '**Digital India**'.
- To impart **technology based education** to the students.
- To enhance the **digital infrastructure** of the campus to promote online learning
- To shift into a **paperless campus**.
- To augment the **e-governance practices** in the campus.
- To develop applications to enhance **transparency in various processes**.
- To improve the **digital literacy and digital skills** of the students.

3. The Context

Nirmala College has a tradition of supporting national missions especially that shape the young generations. India has launched the **Digital India Programme** in 2015. Based on the **national philosophy "IT +IT =IT" (India Talent +Information Technology = India Tomorrow)**, the management and IQAC of the college have taken special attention to bring state of the art facilities so that the campus has become smart in terms of **digital access of educational services, management information system, software based learning, paperless office**, etc. The college believes that digital orientation in the campus is very important in shaping the career of students and their skill development. Further, the college community understands that shifting to the digital environment is very essential in order to become more efficient, effective and competent in the current scenario.

4. The Practice

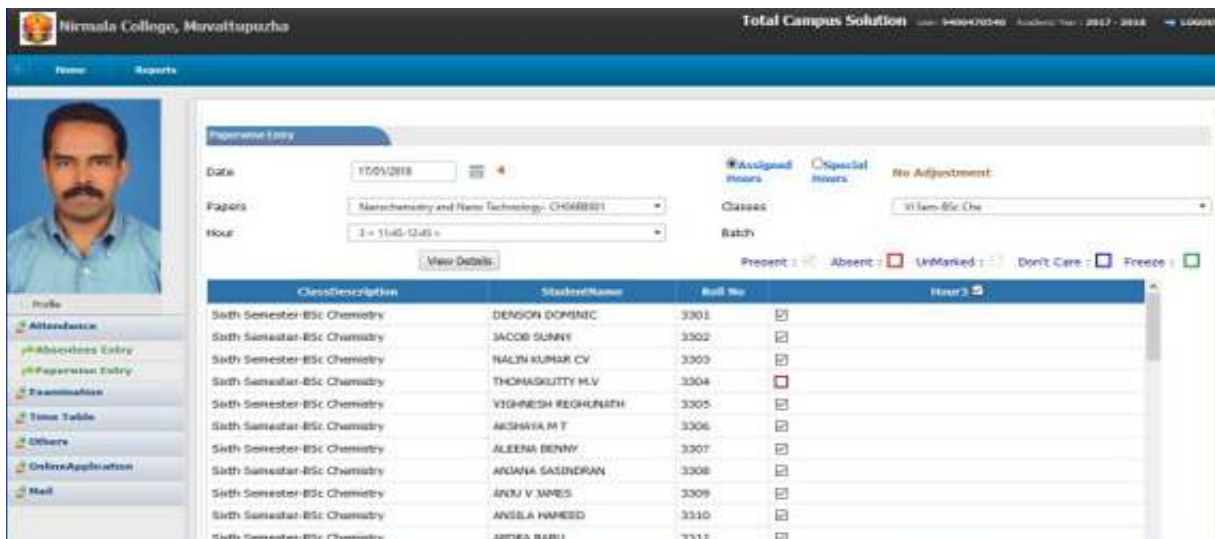
- The college has a full automated system called "**Total Campus Solutions**". It is used for office management, student attendance, performance evaluation, academic management, time table, continuous internal evaluation system, etc.



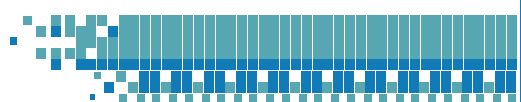
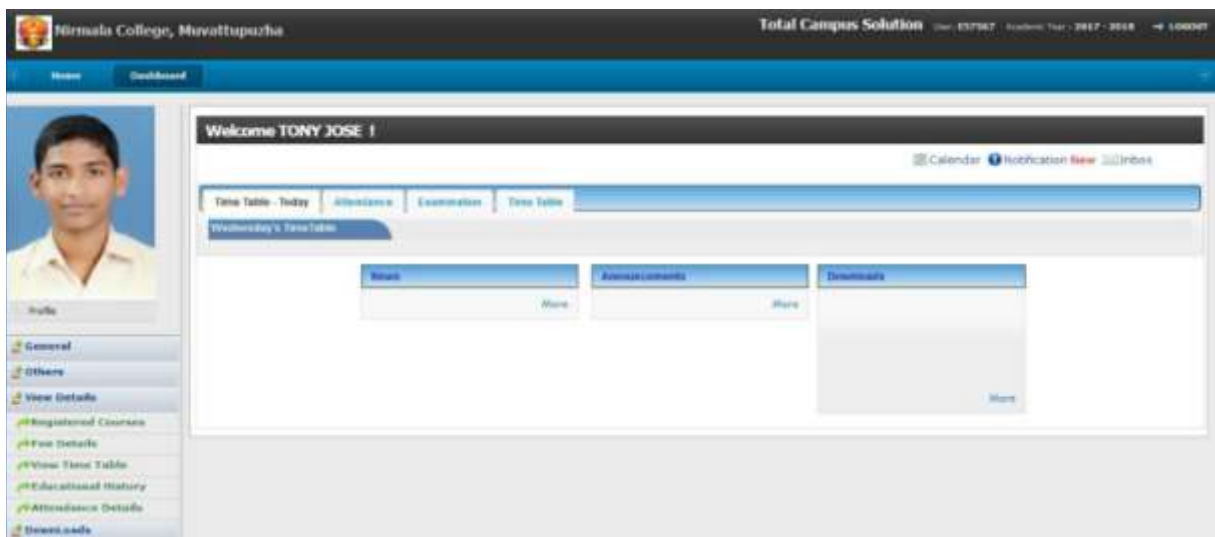
Total Campus Solution (TCS) software for office management in cloud service Admin Login



Faculty Login



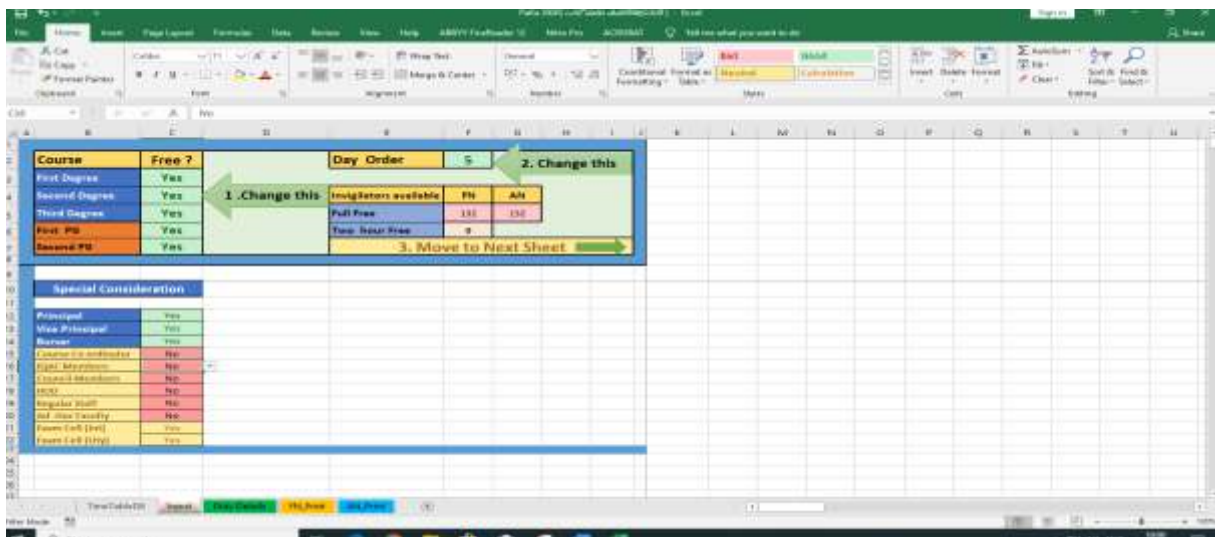
Student Login



Total Campus Solution (TCS) Mobile Application for office management



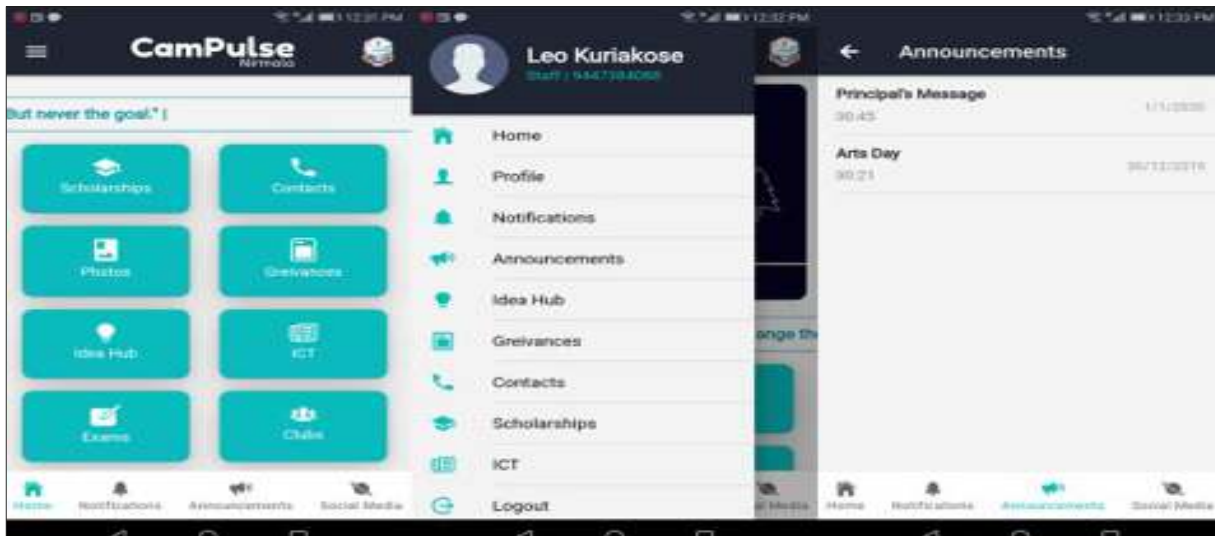
The examination duties are assigned to the faculty members in an equitable manner. For this, one of our faculty members developed an application for Exam Management System.



The college has more than 450 computers and the student computer ratio are less than seven.

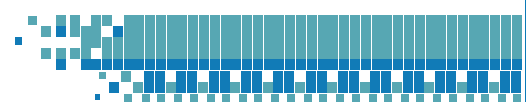
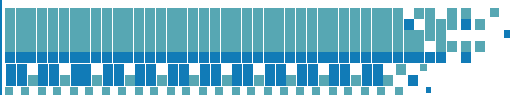


- The college has an android app '**CamPulse**' which is developed by one of our alumnus to disseminate information to the student community instantaneously.

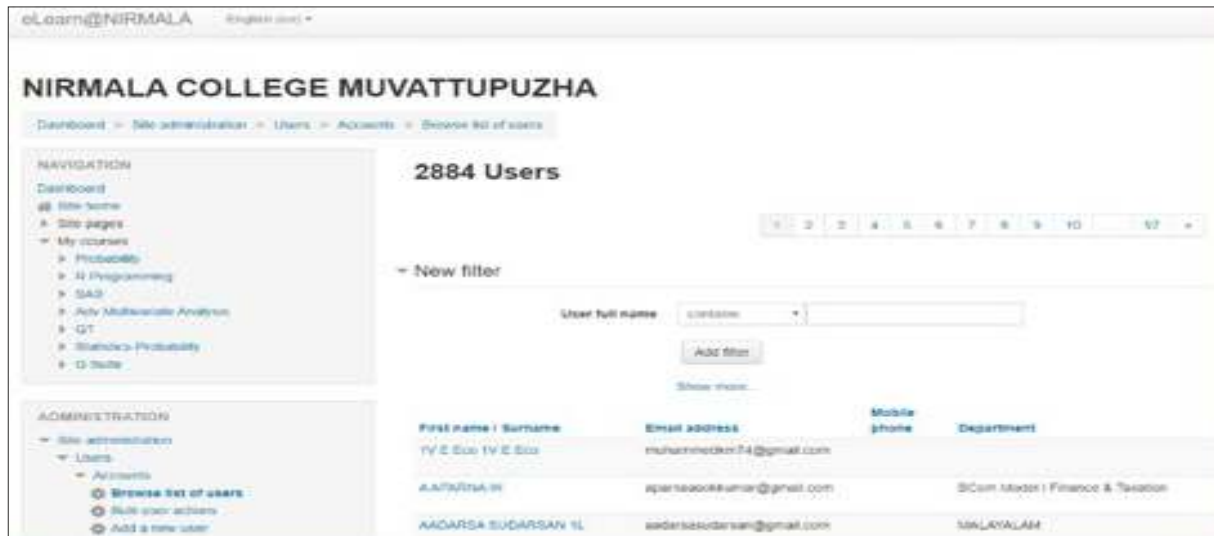


The college has **five Computer Labs**, one **Digital Theatre** and one **E-learning Centre**.





E-learning Centre



- Majority of the classes have either LCD projectors or Smart TVs.



- The faculty members encourage the students to submit assignments based on the materials available in **INFLIBNET**, **N-List**, **J-Gate**, etc.



N-LIST
National Library and Information Services
Infrastructure For Scholarly Content
ensuring access to e-resources for colleges in India

My Account | User Detail | Upload Bulk User | Activate Bulk User | Usage Statistics | Admin Log | Logout

Welcome : K. R. Vasudevan Namboothiri Last login: 40 (2020-01-09 16:14:31)

Users Summary	
Active	1222
Expired	8
Pending Activation	213
Invalid Email ID	32

• **Nirmala College**, [Mahatma Gandhi University]
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2F / 12B Status: Yes
Administrative Contact(s):
• Admin name: K. R. Vasudevan Namboothiri, phi: 8547309366 fax: email: krnamboor@gmail.com
Technical Contact(s):
• Tech name: , phi: fax: email:

- The **language lab** helps the students improve their communication skills by using the software provided by **E-Tail Networks Limited**.



DELNET

User Manual / Usage Statistics / Know your ILL-Book Status / Your Account / Contact DELNET / Log Out

Your membership will be active for 345 days, needs renewal. Language: English

Institution: Nirmala College

Happy New Year 2020

Search the DELNET Digital Library Resources

You are accessing union catalog of Books, Journals etc.

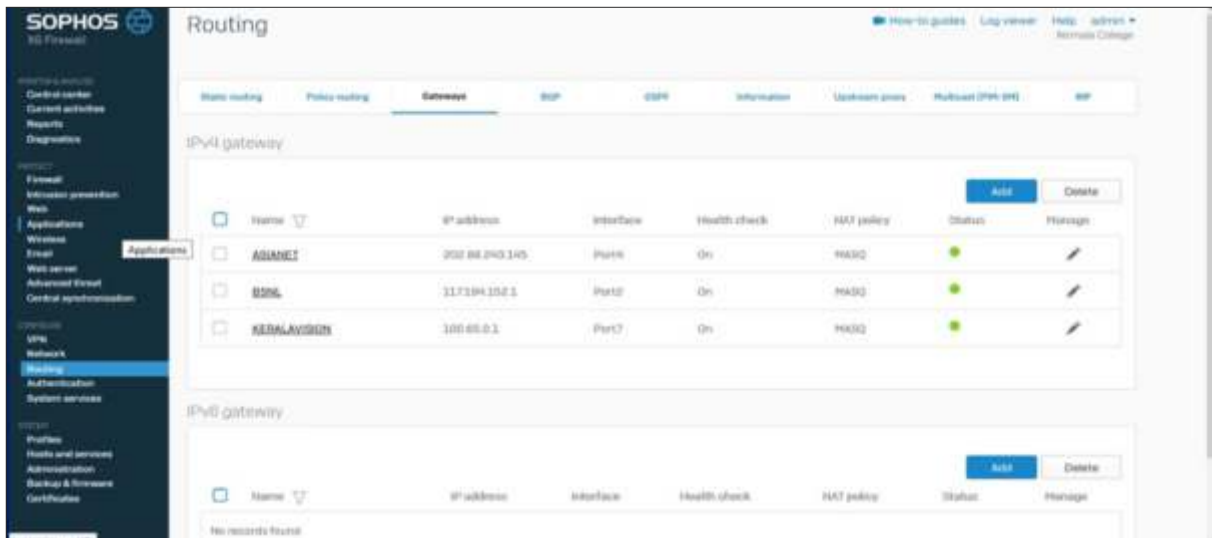
Full-text Digital Library Resources

- Knowledge Gainer Portal
Access E-books, E-journals, E-articles, etc.
- Language Learning Portal
English
Foreign Languages
- Manuscripts & Rare Books
Access it
- E-JOURNALS (Full-Text)
Agriculture, Science, E-sustials

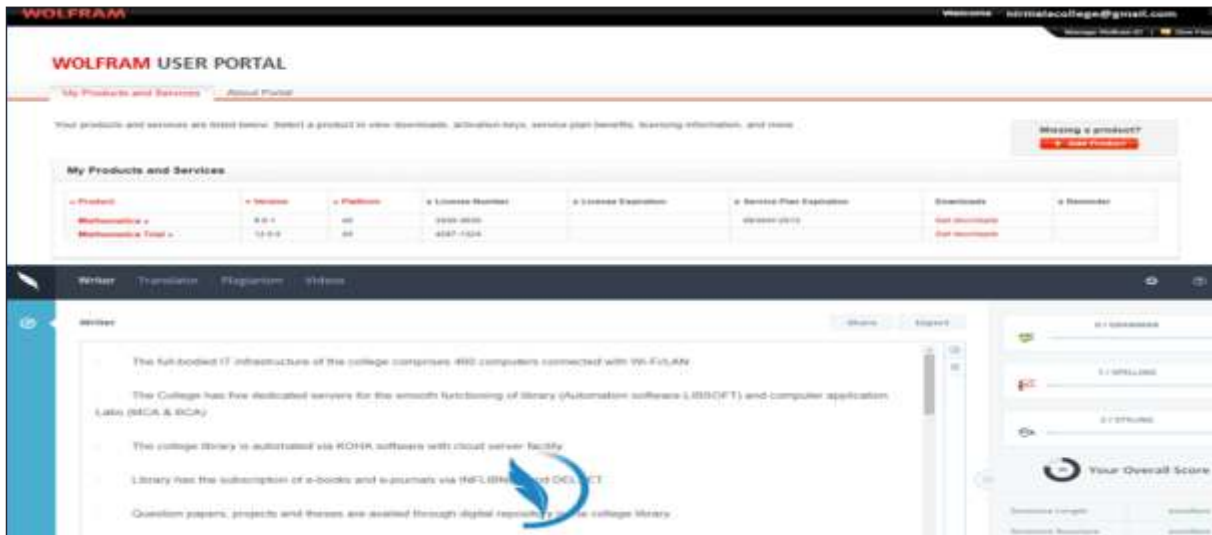
- The **media lab** helps the teachers to record video sessions for the benefit of students.



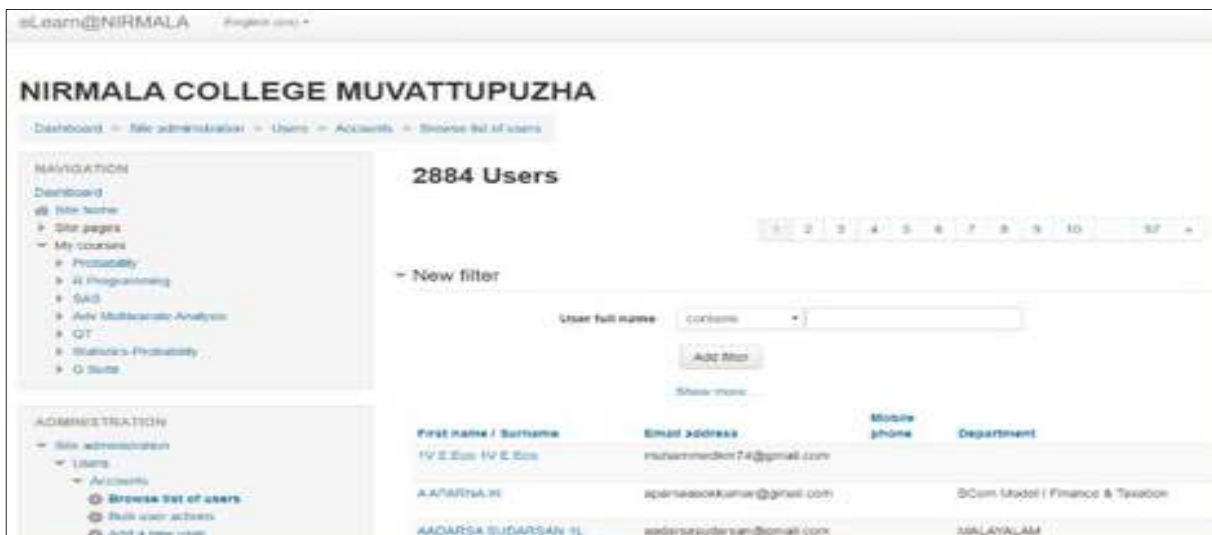
- The college has **Cyberome** -a well dedicated firewall for cyber protection.



- The college has institutional subscription to **plagiarism software White Smoke**.



- The faculty members insist the students to do online courses offered in **MOOC, Ed:X, Stanford Online, NPTEL**, etc. In some departments, one faculty member is assigned to list out the courses which are suitable and affordable to their students.



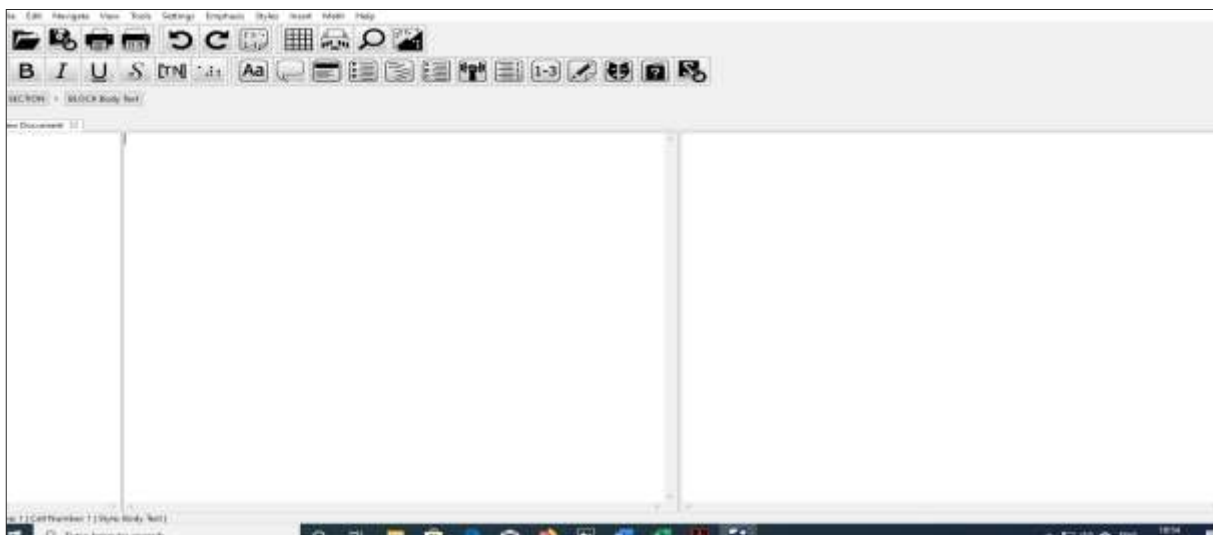
- The college has 4 server rooms, D-link networking facilities and dedicated Wifi routers.



- Hi-speed internet facility is also made available 3 x30 Mbps (BSNL), 1 x 100 Mbps (Asianet), t x 200 Mbps (Kerala vision)



- The college has provided digital infrastructure for **differently-abled** students including **Braille Software** and **Google Smart Speaker**.



- The college office prepares the salary bills of staff using a software **SPARK**.



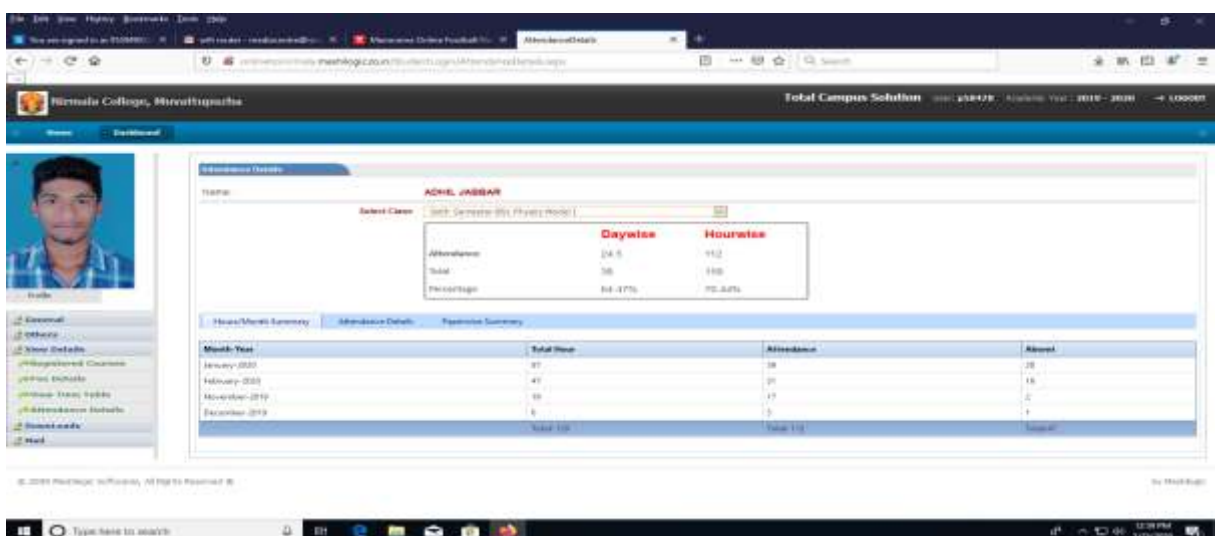
5, Evidence of Success

The Digital Nirmala Initiative has been a very successful practice. The outcome of the initiatives, undertaken by the institution is given below

- The teachers have created a **virtual class room facility** for the students. The students can access the **study materials, power point presentations, video lectures** from the college website.



- The students have online **instant access to their attendance.**
- The students can **login** and see **their internal marks and grade.**



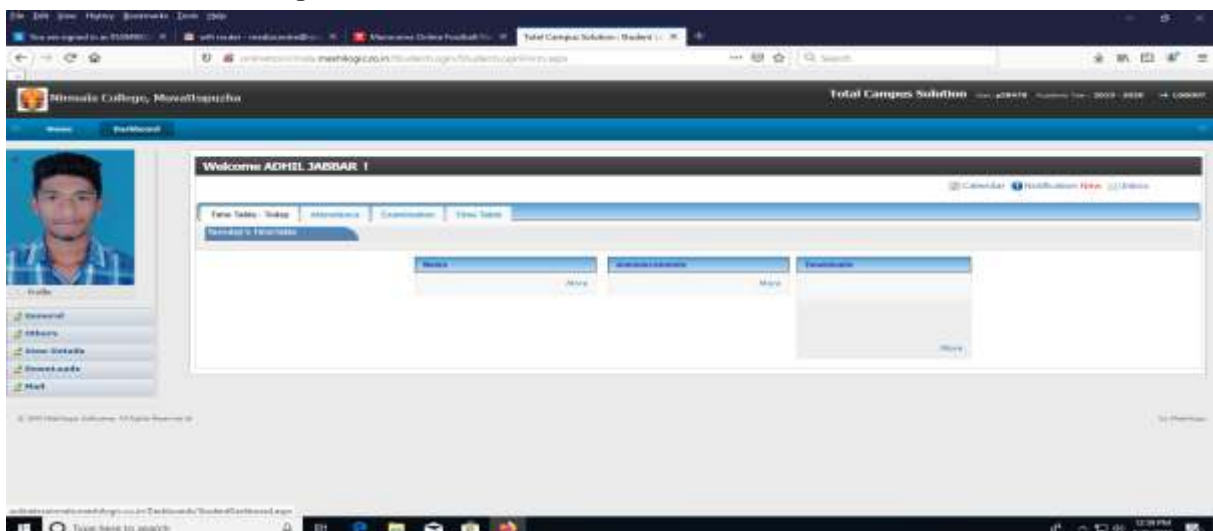
- The college android app '**CamPulse**' serves a **virtual notice board** so that all students have been updated irrespective of whether they are present in the campus or not.



- A number of students have **successfully completed** online courses using MOOC, EdX, NPTEL, Stanford Online.



- Students use the **performance evaluation module** in the total campus solutions to record their feedback on performance of teachers.



- PG students use **WhiteSmoke software** for making their projects plagiarism free.
- The computer lab of Postgraduates and Research Department of Statistics acts as **knowledge sharing hub** of all departments as students from various departments **utilise it for data analysis in their academic projects.**
- The student community uses the **E-learning centre to get necessary literature** for the project preparation.
- The students create **video advertisements** for the academic activities of the departments.



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- The use of **Kahoot Quizzes** made the evaluation process more interesting.



Problems Encountered and Resources Needed

Problems Encountered

Resources Needed

Digital Literacy:

At the time of implementing MIS, there was a problem of digital literacy among some of the faculty members.

This problem was tackled through continuous awareness sessions with the software team. **Resource Needed: Support from the Technical Team.**

Technology skilled supporting Staff:

There was not enough digitally skilled supporting staff in the examination wing.

The management has taken special interest to recruit who are tech-savvy in the subsequent appointments. Resource Needed: Support from the Management.

Lack of Recording Facility:

In 2015, the college didn't have recording facilities.

Now the **college has a media lab** where teachers can prepare their video lectures. Resource Needed: Financial Support from the Management.

Screening Facility: There was not enough facilities for screening.

The college materialised its dream of a **digital theatre** in 2018. Resource Needed: Financial Support from the Management.

Completion of Virtual Class Room:

Teachers were unaware of recording techniques.

Teachers were given training on the preparation of digital content. Resource Needed: Financial Support from the Management to create a media lab and teaching resources of the faculty.

More ICT enabled Classrooms:

It requires huge investment to make the classrooms ICT enabled

Every year new LCDs and Smart TVs are added **Resource Needed: Financial Support from the Management**





NIRMALA COLLEGE MUVATTUPUZHA

Ranked on the 91st position among the colleges in India
by the NIRF Rankings 2017 and accredited by NAAC with B++ grade

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