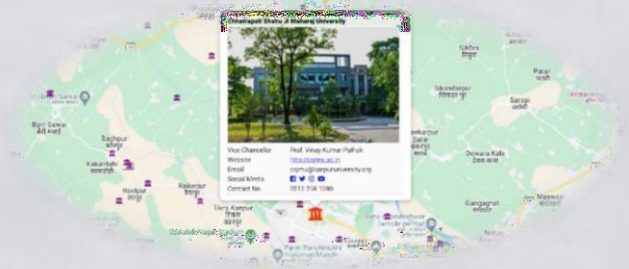




## Metric No.- 7.2.1

### Best Practice- 03

**Incorporation of the state of the art ICT and digital technology for education and University management**





## Best Practice-03

### **a-Title:**

**Incorporation of the state of the art ICT and digital technology for education and University management.**

### **b-Objectives of the practice:**

Primary objectives of incorporating the ICT and digital practices in the university are manifold. These practices have been initiated with a view to benefitting all stakeholders in the system of the university which includes students, affiliated colleges, university employees and teachers alike. The specific objectives include incorporation of the new education policy 2020 into the university education system, incorporation of the latest tools and technologies in higher education. These would eventually result in processes being easier, transparent quicker and less prone to mistakes. This would also enable the efficient utilization of human resources, making the university records/archive data more secure. These initiatives would provide a platform for the students for innovation, their placement as well as building and alumni platform for better networking.

### **c-Context:**

The primary context of these practices is focused around education and skill development of the primary stakeholder- the student. It also focuses on entrepreneurship development. On the management side, the context is a better student information system using the new software's providing the services for the colleges, student centric services for the entire student life cycle as well as other student services like providing degree, mark sheet, corrections etc.

### **d-Practice:**

Details of digital practices and initiatives in different segments are enumerated below:

- **Digitalization of Data**

First university in the state to digitalize all the records of students related to examination and their marks since the Inception of the university up to date.



- **Portal for NEP 2020 and Old System**

Fast and successful development of the complete student life cycle system following the guidelines of new education policy while maintaining the old system running in parallel.

- **Student Faceless Services**

Fully online students related services for degree, provisional certificate, mark sheet, migration and duplicate certificate at the convenience, from his/her place.

- **Alumni Association Portal**

New portal has been developed to connect the alumni of the university with the current students for better networking and career development.

- **Gyan Sanchay Portal**

Creating a central repository of educational resources, lectures etc. for the students which is available online.

- **Placement Portal**

A portal to facilitate placement of students.

- **Portal for Innovation and Start Ups**

A portal for new entrepreneurs and startups.

- **E-Library Initiative**

This portal has been initiated to provide access to various general and books via collaborating with different publications in the sector.

- **Hostel Management**

Fully automatic portal for Hostel Management room allotment fee management etc.

- **NAAC Application**

Portal for documents related to NAAC, their reports and management.

- **B.Tech Counselling Application**

A complete portal for the counselling of students of Engineering faculty.



- **Attendance Portal**

Comprehensive portal for the attendance of students of various schools in the university premises.

- **E-Filing Initiative**

These initiatives ensure a smooth and faster movement of documents between various departments of the university and their timely tracking.

- **Digitalization of HR/Inventory/Accounting**

Different software modules have been developed for various management functions of the university.

- **Geo Tagging of Colleges**

We have enabled geo tagging of all the affiliated colleges of the university showing the various details of the college along with their locations on the map.

- **Online Affiliation Management**

A complete portal to facilitate the process of affiliation by the interested colleges with the university and also the complete tracking of the affiliation process.

- **Digital Evaluation**

This is a remarkable initiative which has resulted in faster and more accurate evaluation of the examination answer sheets. This also enables the students to view their marks after the evaluation and apply for the challenge if needed.

- **Online Exam Monitoring**

This initiative enables the examination control department to monitor the activity of the examination at various centres in real time in order to ensure a fair and transparent examination.

- **Issuing Academic Certificates via Digilocker**

The University has successfully developed and implemented an in house software pipeline to generate, digitally sign academic documents and push it through the government provided, secure and trusted Digilocker platform.



## **e-Evidence of success:**

- Successful completion of students' life cycles of four semesters through new portals including approx. 0.6 million students.
- More than 55000 Online faceless services documents issuance/correction.
- More than 10000 alumni linked to the portal and process and ongoing.
- More than 10000 educational e-content uploaded on Gyan Sanchay.
- More than 2100 students placed through portal.
- 14 Startups approved as a result of online portal for startups.
- More than 32000 journals/books download from e-library.

## **f-Problems encountered:**

Many of these digital practices are new or they are affecting and improving the segments which have been untouched so far and therefore like any other disruptive change these practices presented bottlenecks, hurdles and inherent resistance. Primarily it was the adoption of newer digital technology and phasing out the obsolete one. It also involved imparting new skills to existing staff which itself was not an easy to go task. Additionally, managing technological resources in terms of people equipment, software and improving the existing infrastructure as well as adding the new digital infrastructure and network. Transitioning to new education policy norms as well as maintaining the old system in parallel has also proved to be a challenging task.

\*\*\*\*\*



## Digitalization of data

URL: <http://192.168.1.245/DMSCSJMU/>

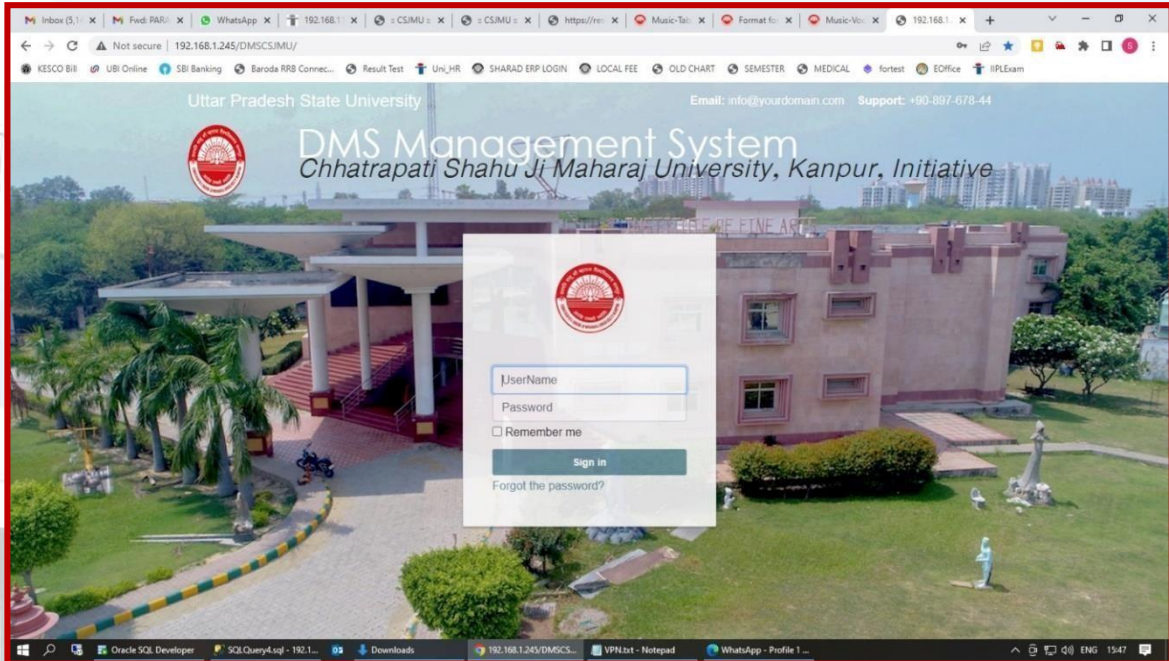


Fig. 1- Snapshot of DMS management system

## Attendance portal

URL: <https://erp.csjmu.ac.in/>

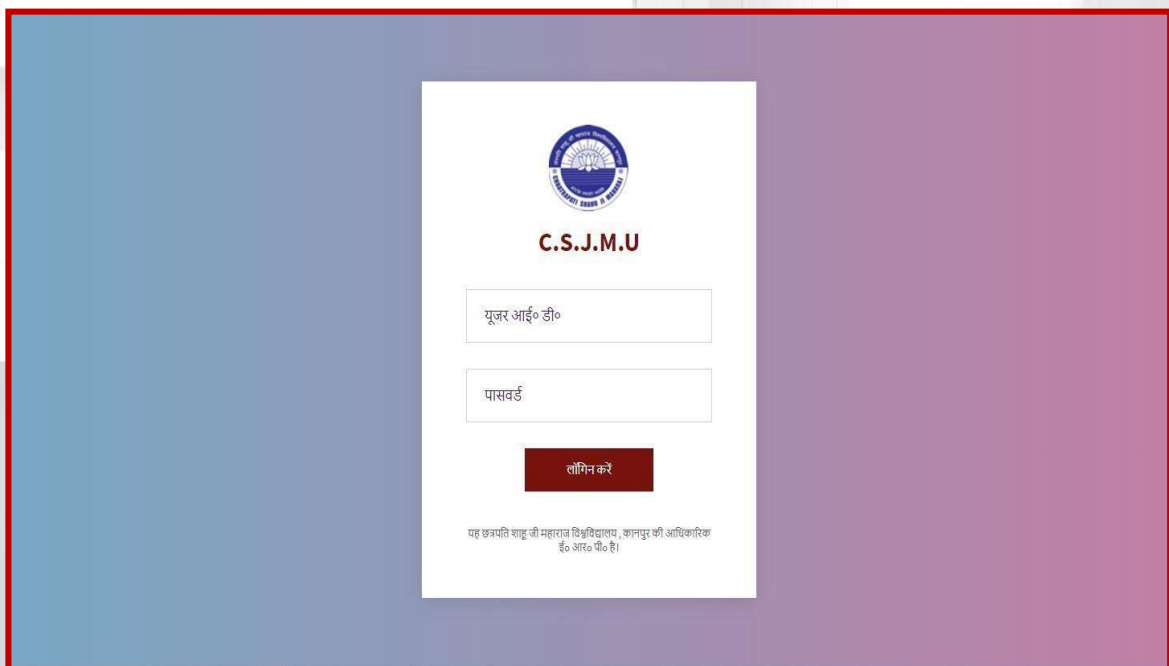


Fig. 2- Snapshot of ERP portal login page



## E-Filing initiative

This application is intended to be used only within the university premises and therefore the link is only accessible from within the university's internal network.

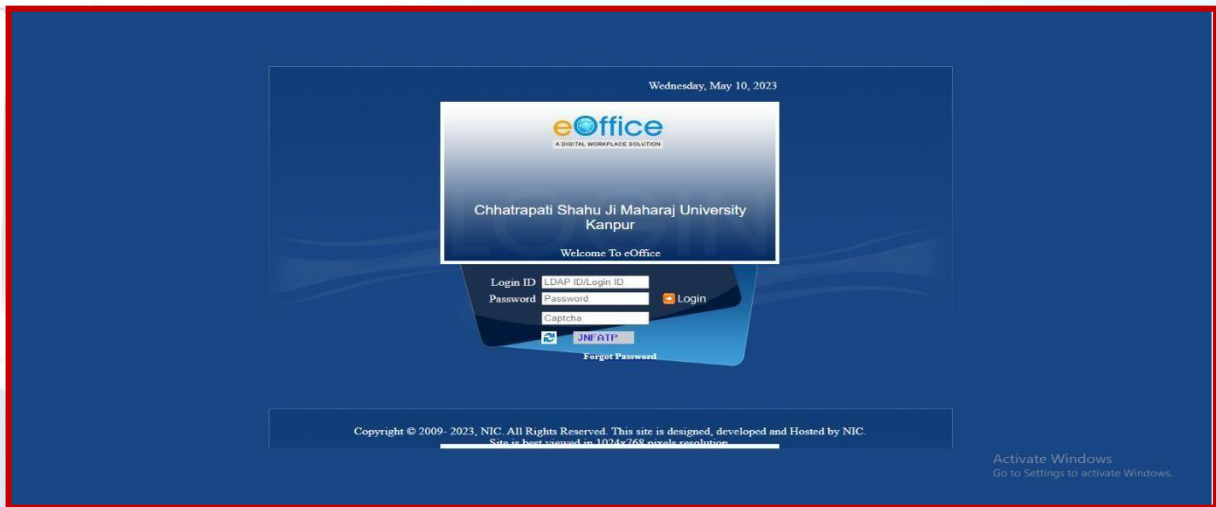


Fig. 3- Snapshot of e-office login page

## Online Affiliation Management

URL: <https://affiliation.csjmu.ac.in/>

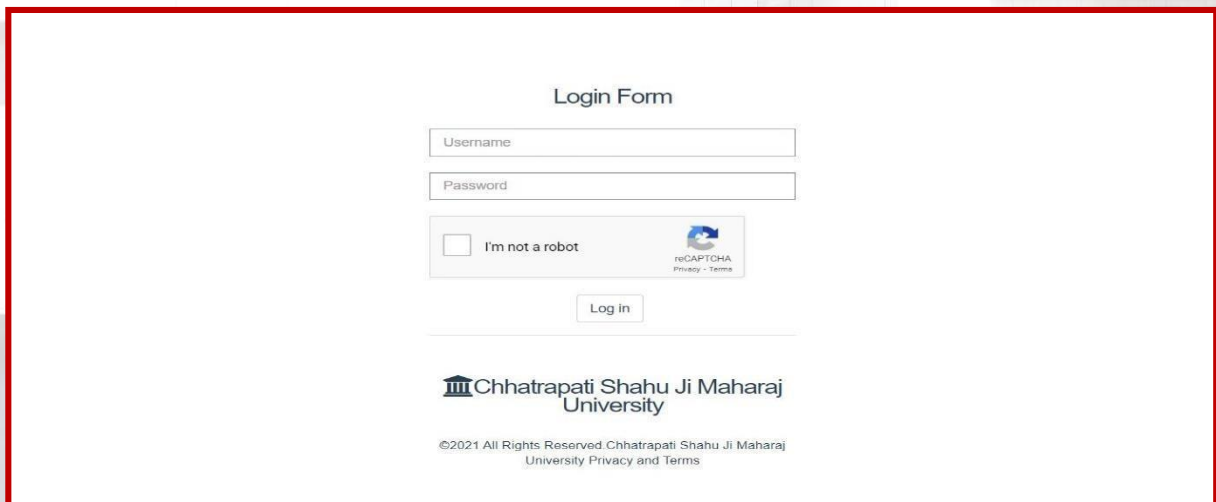


Fig. 4- Snapshot of online affiliation management login page



## Hostel Management

URL: <https://applications.csjmu.ac.in/hostelapp/>

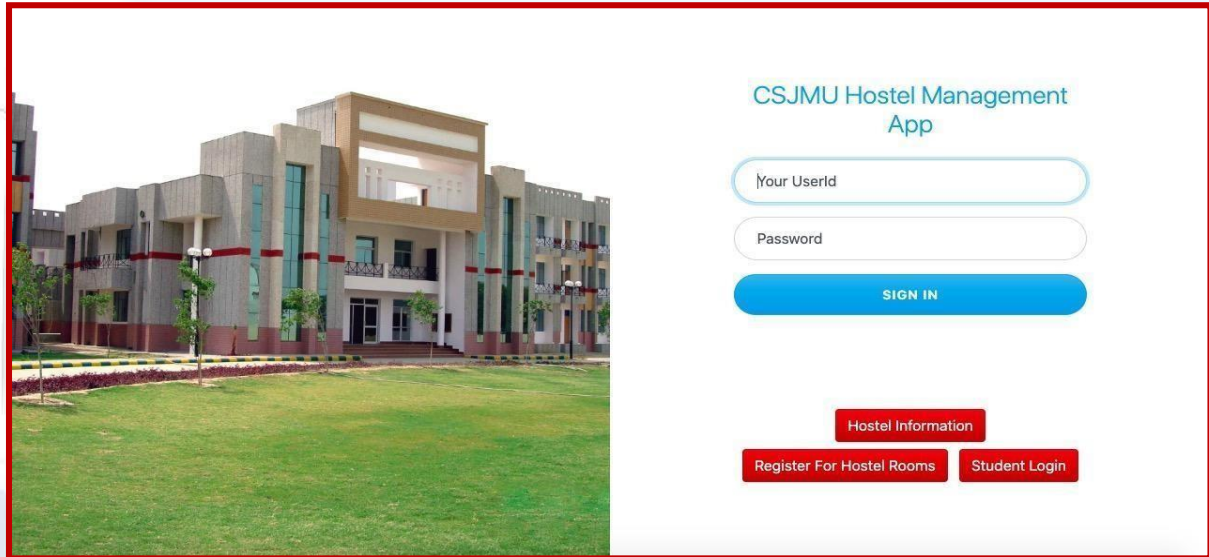


Fig. 5- Snapshot of hostel management login page

## NAAC Application

URL : 2020-21 Onwards <https://applications.csjmu.ac.in/naacapp21/>

URL: Previous 2020-21 <https://applications.csjmu.ac.in/naacapp/>

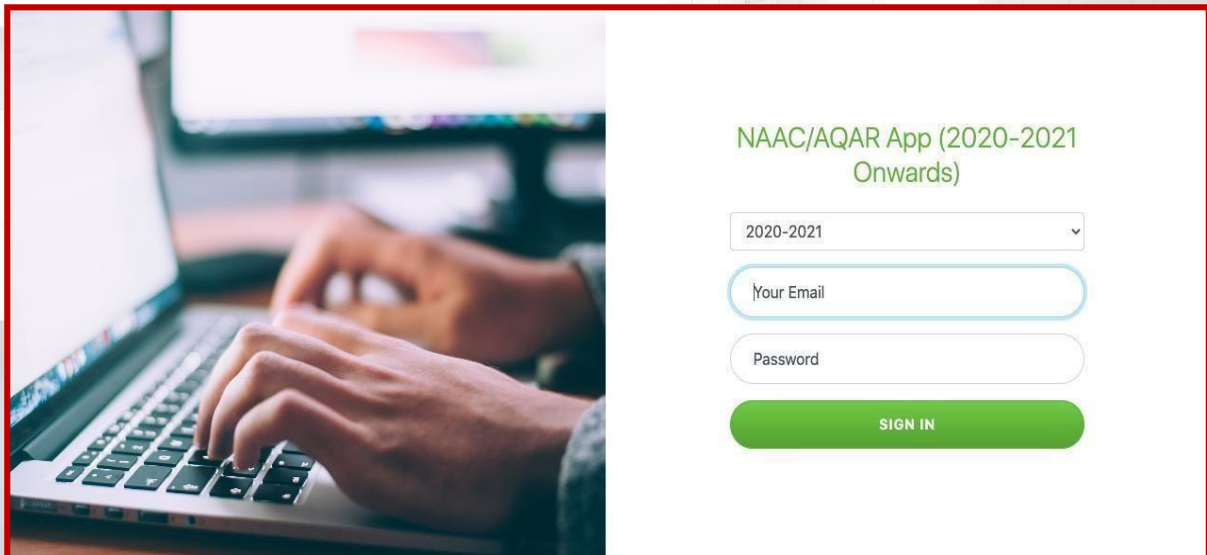


Fig. 6- Snapshot of NAAC app login page





## B.Tech Counselling Application

URL : <https://applications.csjmu.ac.in/btech2022/>

URL : <https://applications.csjmu.ac.in/btech2023/>

University Institute of Engineering And Technology

Registrations For B. Tech  
Counselling

Register With Your Name And Mobile

Your Name

Your Mobile Number

Get OTP

Enter OTP And Register

Register

Already Registered? [Login](#)

For Any Admission Queries contact  
Dr. Abhishek Chandra 9450326388  
Er. Ramendra Singh Niranjana 9450334647

Fig. 7- Snapshot of login page of B.Tech counselling application page

## Geo Tagging of Colleges

URL: <https://csjmu.ac.in/geotagging/colleges-geotagging.php>

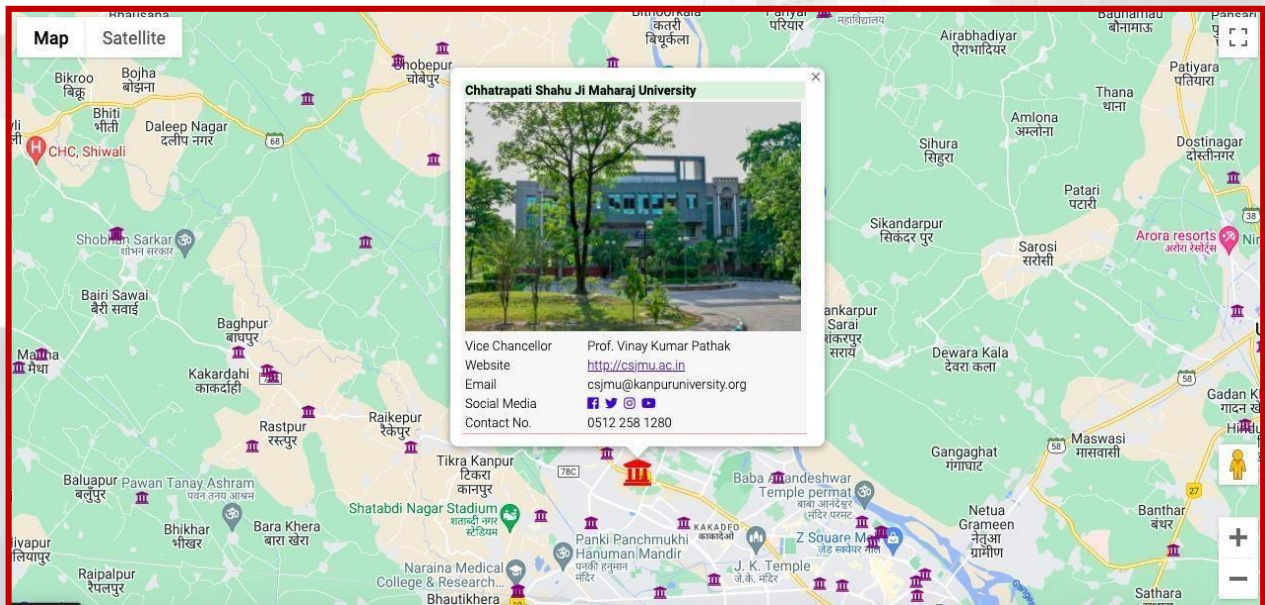


Fig. 8- Snapshot of geotagging page of the University



## SIS Portal

Link: <https://sis.csjmu.ac.in/dashboard>

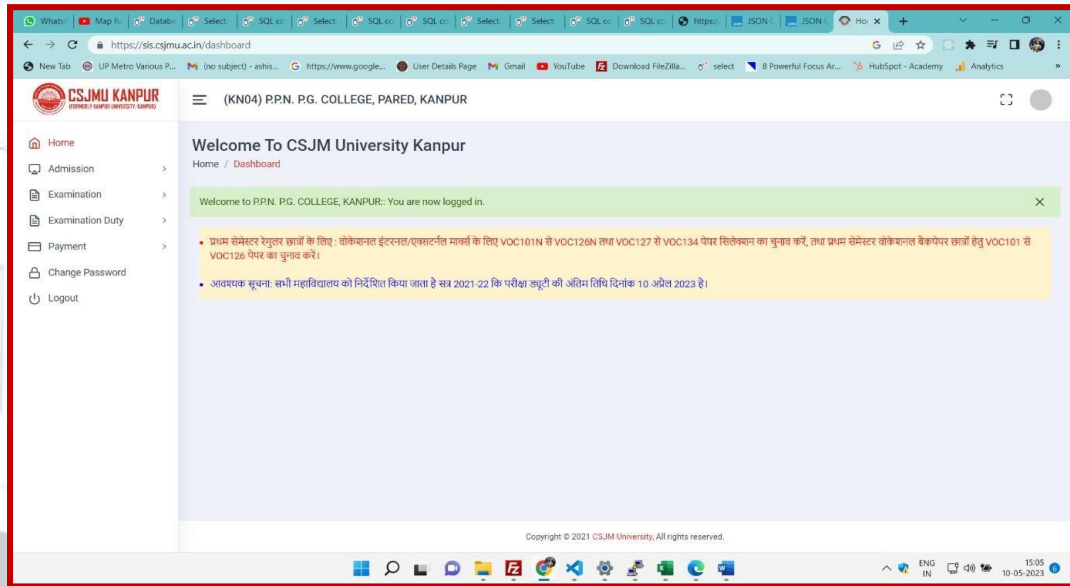


Fig. 9- Snapshot of home page of SIS

## Portal for NEP 2020

Back paper

URL: <https://sis.csjmu.ac.in/backpaper>

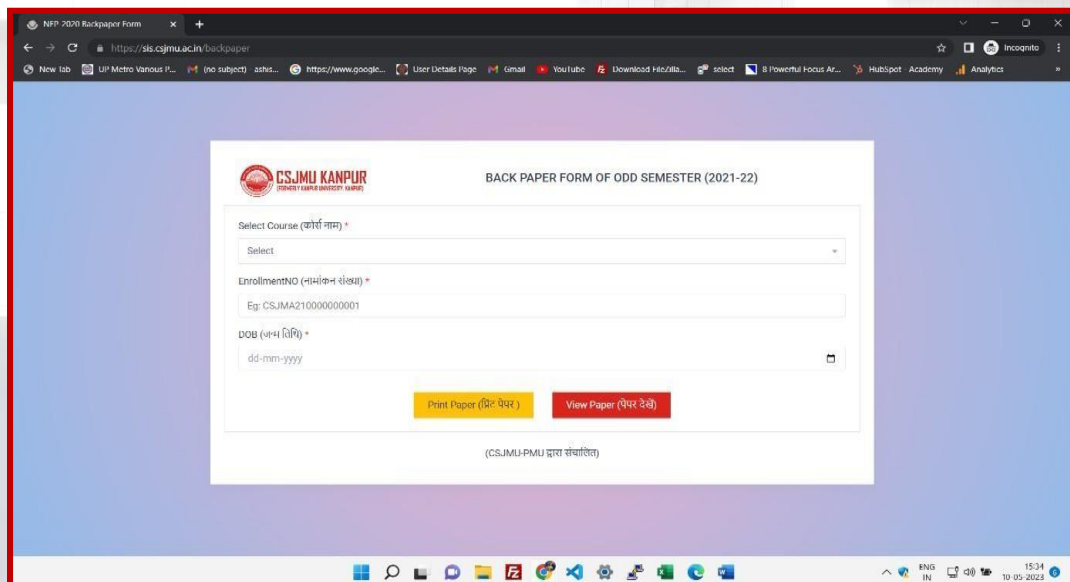


Fig. 10- Snapshot of NEP portal for back paper



## SCRUTINY

URL: <https://sis.csjmu.ac.in/scrutiny/index>

CSJMU KANPUR  
UTTAR PRADESH STATE UNIVERSITY

SCRUTINY & CHALLENGE ODD SEMESTER (2022-23)

Select Course \*

EnrollmentNO \*  
Eg: CSJMA21000000001

Date Of Birth \*  
dd-mm-yyyy

Select Result Type \*      Select Semester \*

View Paper (पेपर देखें)

(CSJMU-PMU द्वारा संचालित)

Fig. 11- Snapshot of NEP portal for scrutiny

## RESULT

URL: <https://sis.csjmu.ac.in/student/results>

CSJMU KANPUR  
UTTAR PRADESH STATE UNIVERSITY

NEP-2020 AND SEMESTER EXAMINATION RESULT (2021-22)

EnrollmentNO (निर्देशन संख्या) \*  
Eg: CSJMA21000000001

DOB (जन्म तिथि) \*  
dd-mm-yyyy

View Result (रिजल्ट देखें)

(CSJMU-PMU द्वारा संचालित)

Fig. 12- Snapshot of NEP portal for results



## HR Management System

This application is intended to be used only with in the university premises and therefore the link is only accessible from within the university internal network

URL: <http://192.168.1.242/unierp.hr/mylogin.aspx>

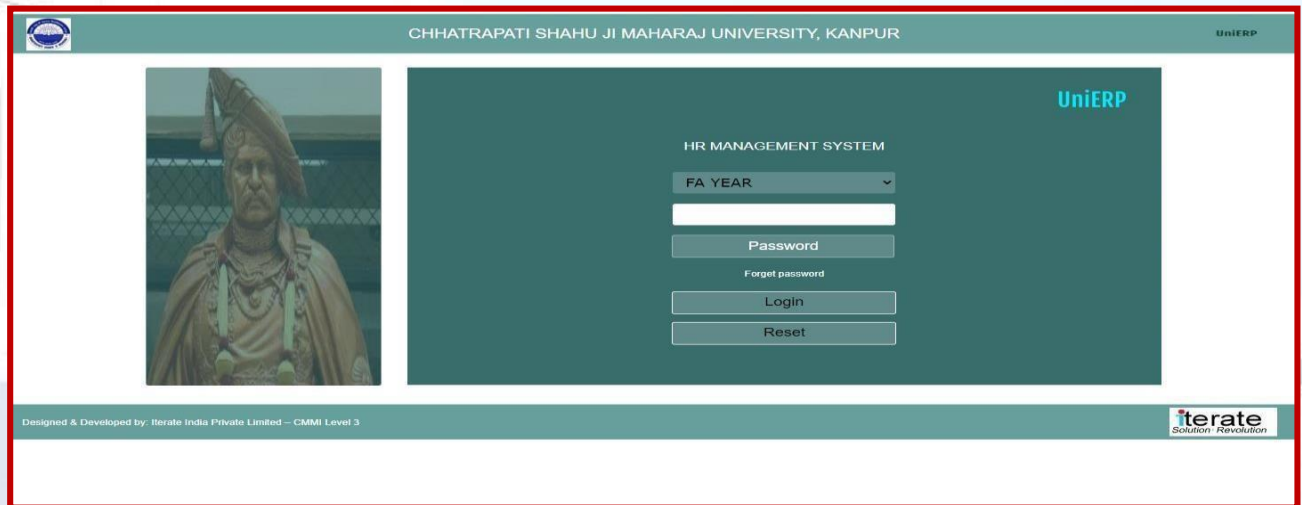


Fig. 13- Snapshot of HR management portal login page

## Pension Management System

This application is intended to be used only with in the university premises and therefore the link is only accessible from within the university internal network.

URL: <http://192.168.1.242/UniERP.pension/MyLogin.aspx>

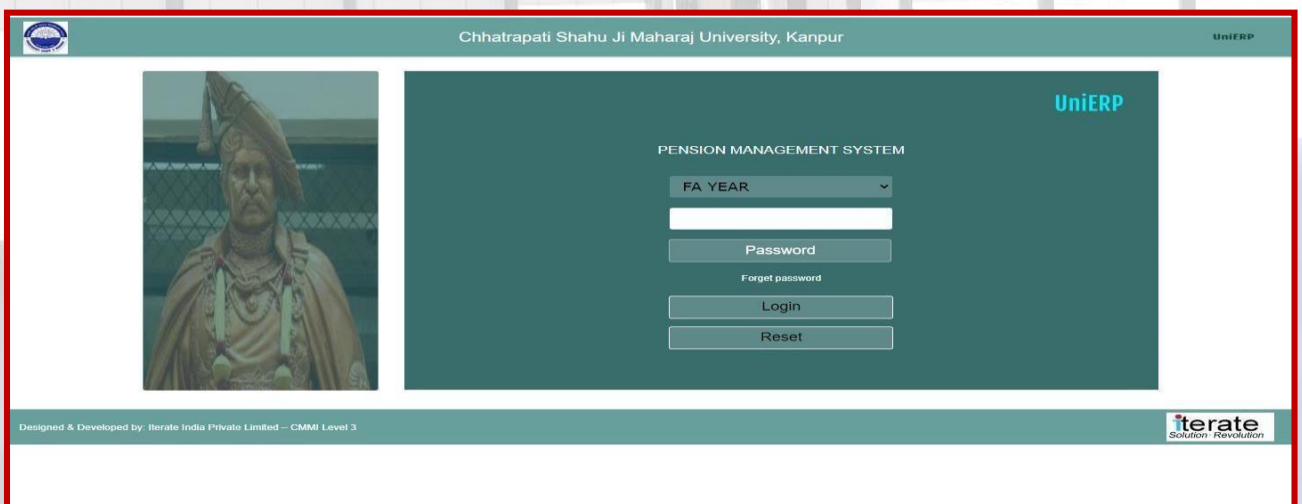


Fig. 14- Snapshot of pension management portal login page



## Financial Accounting Management System

This application is intended to be used only with in the university premises and therefore the link is only accessible from within the university internal network.

URL: <http://192.168.1.242/UniERP.FA/MyLoginnew.aspx>

Fig. 15- Snapshot of financial accounting management portal login page

## Payroll Management System

This application is intended to be used only with in the university premises and therefore the link is only accessible from within the university internal network.

URL: <http://192.168.1.242/unierp.pms/mylogin.aspx>

Fig. 16- Snapshot of payroll management portal login page



## Inventory Management System

This application is intended to be used only within the university premises and therefore the link is only accessible from within the university internal network.

URL: <http://192.168.1.242/unierp.ipms/mylogin.aspx>

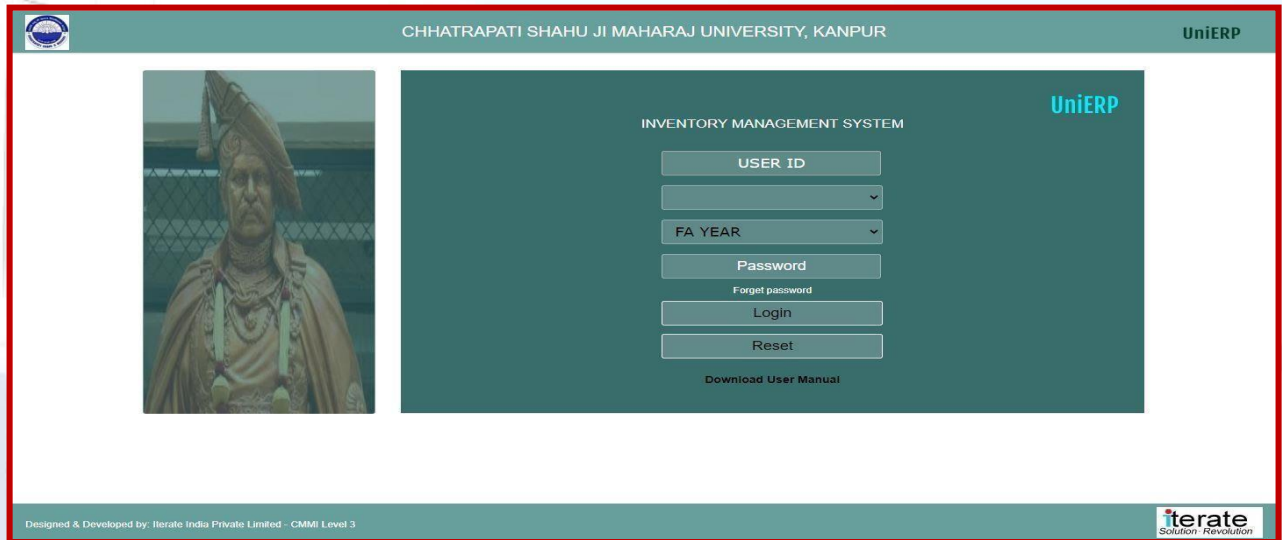


Fig. 17- Snapshot of inventory management system portal login page

## Student Faceless Services

Link: <https://ssc.csjmu.ac.in/webpages/frmStudentLogin.aspx>

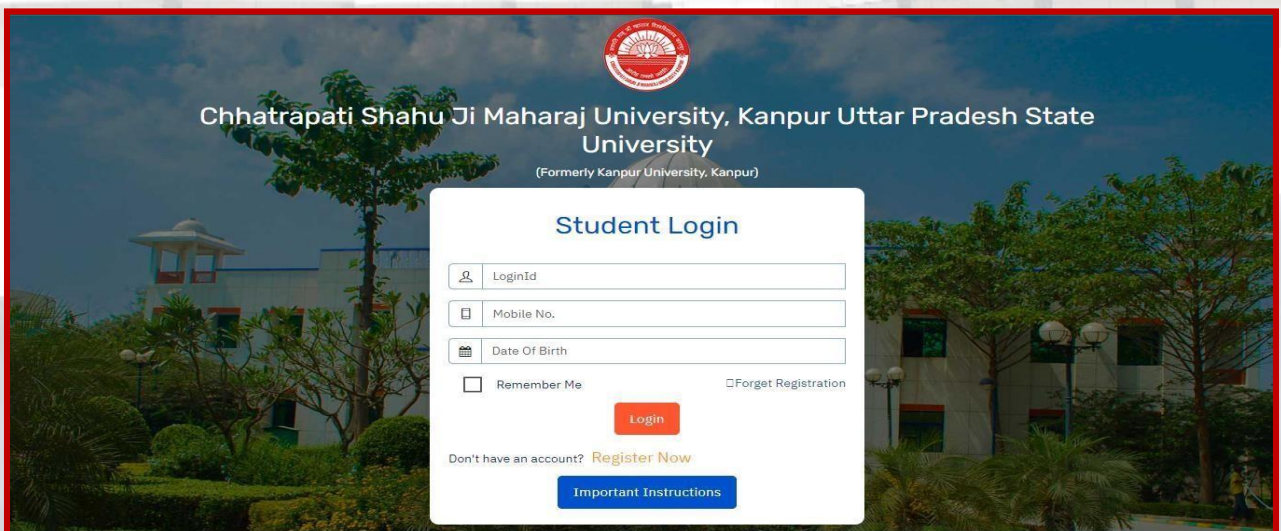


Fig. 18- Snapshot of students faceless digital services portal login page



## Student Educational Document Verification Portal

Link: <https://ssc.csjmu.ac.in/webpages/verification/FrmDocumentVerificationStart.aspx>

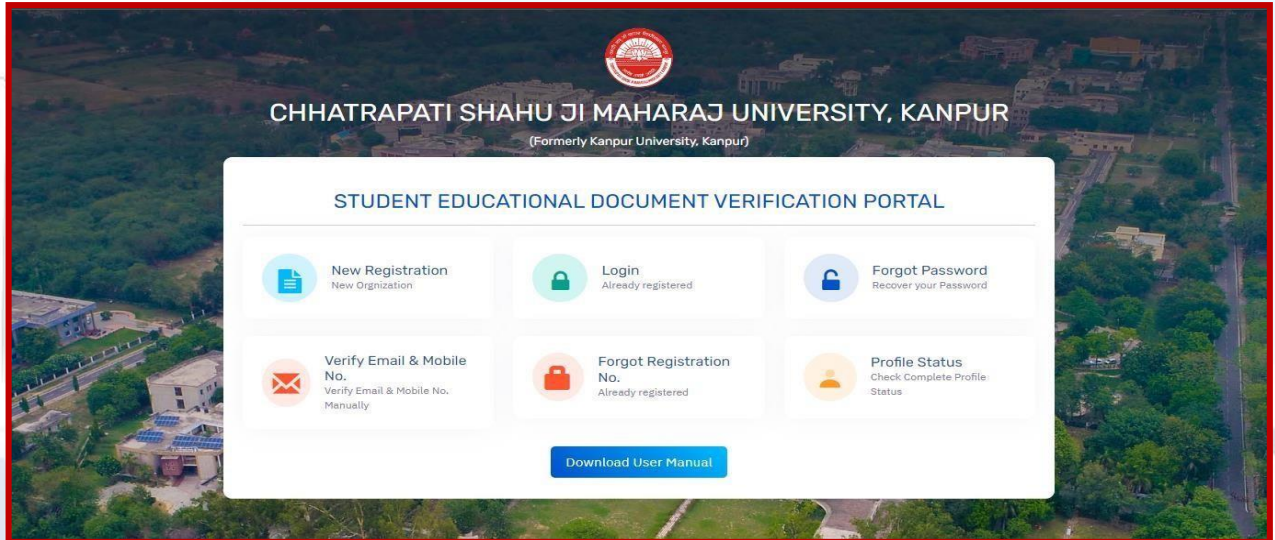


Fig. 19- Snapshot of student document verification portal home page

## CSJM University Campus Alumni Association Portal

Link: <http://campusalumni.csjmu.ac.in/>



Fig. 20- Snapshot of CSJM University Campus Alumni association portal



## CSJM University Alumni Association

Link: <https://alumni.csjmu.ac.in/>

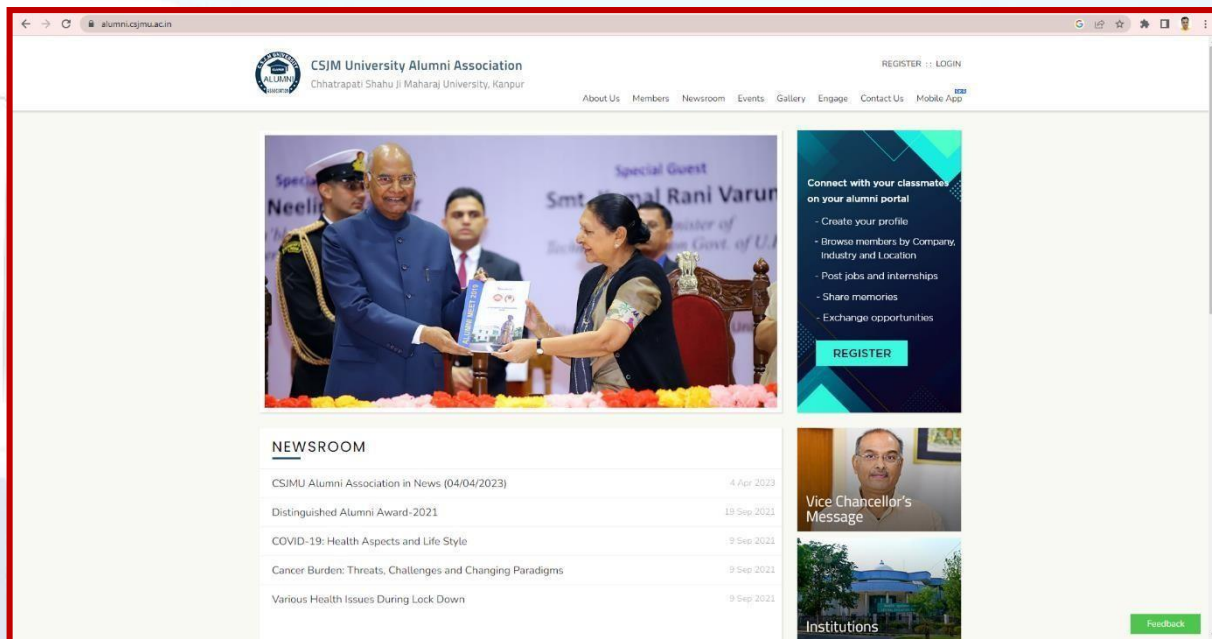


Fig. 21- Snapshot of CSJM University Alumni association portal

## Gyan Sanchay Portal

Link: <https://gyansanchay.csjmu.ac.in/>

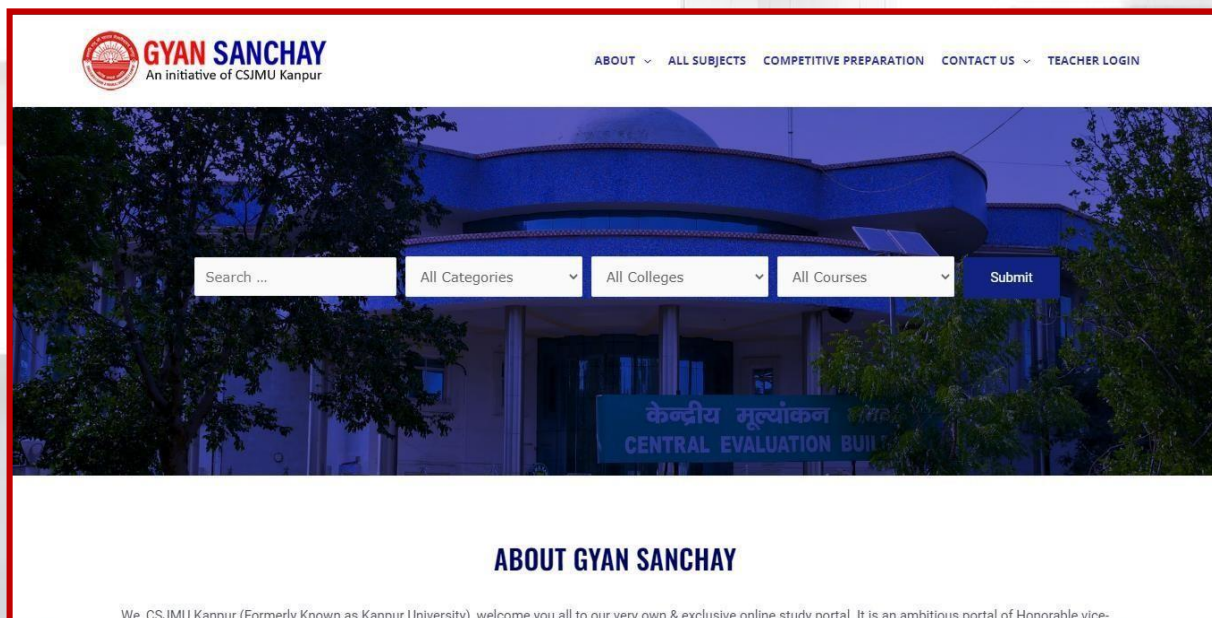


Fig. 22- Snapshot of gyan sanchay portal home page





## Placement Portal

Link: <https://placement.csjmu.ac.in/>



Fig. 23- Snapshot of placement portal home page

## Portal for Innovation and Start Ups

Link: <https://innovation.csjmu.ac.in/>

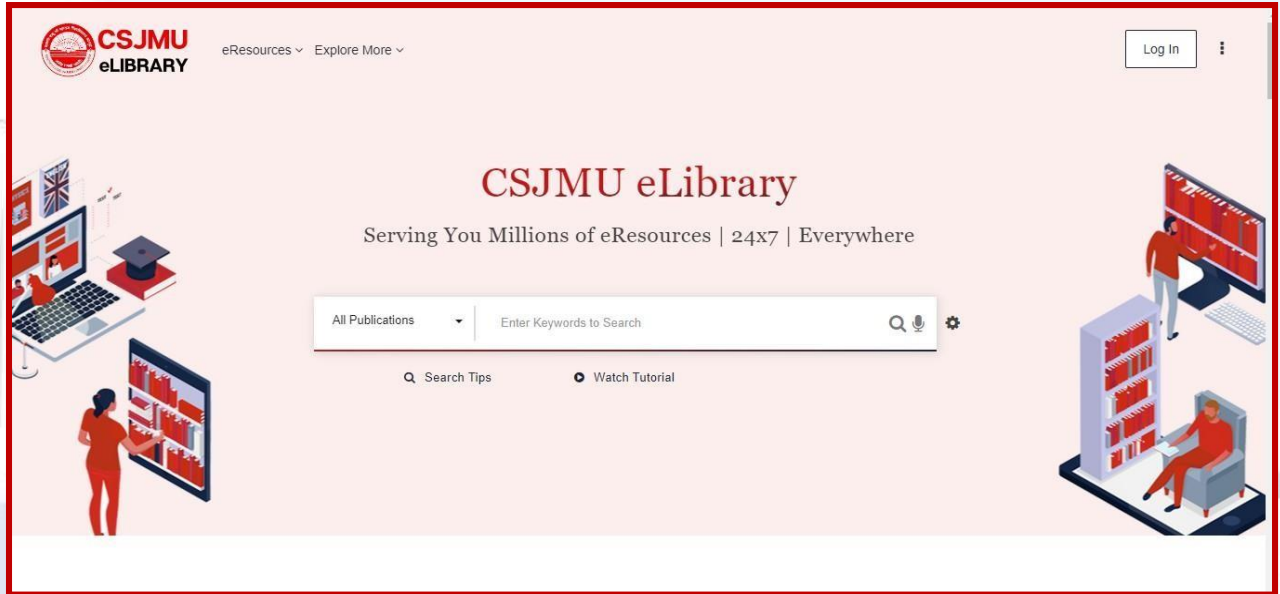


Fig. 24- Snapshot of innovation portal home page



## E-Library Initiative

Link: <https://csjmu.refread.com/#/home>



**Fig. 25- Snapshot of CSJMU e-library home page**