

Chandernagore College

Formerly College Dupleix



Mob:91-7439603177,Tel:91-33-26835290

ISO 90001:2015, ISO14001:2015 and ISO 50001:2018 Certified Institution

Criterion 7 - Institutional Values and Best Practices

Key Indicator - Key Indicator - 7.2 Best Practices

Best Practice -1

1. Title of the Practice: Preserve Nature for Our Future

2. Objectives of the Practice

Chandernagore College is situated on the west bank of the River Hooghly. This town has high population density which leads to heightened prospects of environmental pollution. Therefore, as a part of Best Practices, we chose to protect nature to preserve future as an essential practice. The main objectives of this best practice are as follows:

- a. Nurture Environmental awareness among the students
- b. Explore the causes of environmental degradation in the surroundings.
- c. Develop habits among the students and staff members to participate in Environmental Protection Activities.
- d. Cultivate Practical Knowledge and Hands-on Experiences about the components of the environment and know about the indicators of environmental pollution and pollutants.
- e. Develop practical knowledge on waste management procedures practiced by Chandernagore Municipal Corporation.
- f. Special plantation programme on the bank of river Hooghly to prevent soil erosion.

3. The Context

Chandannagar is an old city situated on the west bank of river Hooghly with high population density which increases the chance of water and air pollution in higher intensity. So, it is a challenge to continue environmental protection activities in full swing. It is difficult to implement plantation programmes within the heart of such a highly populated small town. Fertile soil is available on the west bank of River Hooghly at Chandannagar. However, due to excessive soil erosion caused by the river in this bank, such fertility can only be preserved and restored through special plantation programme. However, due to shifting high tide and low tide timings in the river bank every day, it is difficult for the newly planted saplings to survive in this area. Thus, specialized species like Mangroves have a better chances of survival in this zone. Nevertheless, it is costly to carry the saplings of Mangroves in Chandannagar from Sundarbans, and finally it is a real challenge to protect these plants from a different environment.

Furthermore, Chandannagar has two highly populated slum areas with socially and economically challenged communities. Thus, it is an additional challenge to sensitise as well as involve them in environmental awareness and protection programmes.

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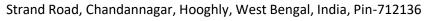


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4. The Practice

This Best Practice has been executed in two ways-

- 1. Environmental Awareness Programmes
- 2. Environment Protection Activities

Chandernagore College organizes various activities involving students, teachers and collaborating partners under these two broad categories of activities.

- 1. Environmental Awareness: In this category Chandernagore College organizes-
- a) **Seminars** on significance of various dedicated days like Water Day, Ozone Day, World Environment Day, Wild life Day, Wild life Photography Day, International Oceanography Week, etc.
- b) Field trips to Botanical Gardens, Sanctuaries, etc.
- c) **Perform Environmental Projects** related to their curriculum and beyond the curriculum.
- d) Community work through campaigning by NSS Unit of Chandernagore College
- **2. Environment Protection:** In this category, Chandernagore College has been continuously performing the following activities-
 - **Collaborate with specialized organizations** who are experts in Environment Protection Activities, such as Estuarine and Coastal Studies Foundation (ECSF), Purbasha Eco-Helpline Society Sundarbans, Chandernagore Municipal Corporation, Pallabi Nursery, Integrated Institute for Advanced Research and Information (IIARI), Mrityunjoy and Sons (Vermi-compost), etc. Following activities have been organized with collaborators to protect environment.
- a) In collaboration with Estuarine and Coastal Studies Foundation (ECSF)-Chandernagore College organizes the events for students and teachers such as
 - i) Orientation & Hands-on Training to train the students and collect environmental data which will be used in future to formulate protective measures.
 - j) Workshop on Environmental data analysis using software.
 - k) Workshop on recording and writing environmental publications and recommending solutions for environmental protection.
- b) In collaboration with Purbasha Eco-Helpline Society, Sundarbans-

Chandernagore College organizes direct Environment Protection Activities involving students, teachers and staff members.

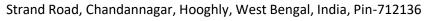
- i) Mangrove plantation in different phases on the river bank of Hooghly River in front of the College Campus for preventing soil erosion, landslides and creating a Bio-Shield against the tidal activities.
- ii) Seminars on eco-tourism through which environment can be protected by involving local people.
- iii) Distribution of saplings in the Slum areas for Afforestation.
- c) In collaboration with Chandernagore Municipal Corporation-
 - Chandernagore College organizes programmes on:
 - i) Seminar/lecture on Plastic Pollution and its Remedies.





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- ii) Seminar on Research Methodologies related to Solid Waste Management.
- iii) Field trip for students to study the methodologies used for collecting solid waste and disposing the same in a scientific manner i.e. Solid Waste Management procedures.
- d) In collaboration with Pallabi Nursery- Chandernagore College organizes :
 - i) Workshop on Horticultural Techniques, which enables the students of Chandernagore College to develop saplings, grafting, etc., to increase the plant population in shorter time and plant it in proper places to protect the local environment.
- e) In collaboration with Mrityunjoy and Sons (Vermi-compost)-Chandernagore College established a Vermi-Compost production unit and provides training to the students to produce Vermi-Compost, a Green Manure to protect the environment.
- f) In collaboration with Integrated Institute for Advanced Research and Information (IIARI) Chandernagore College has organized a workshop on production of Eco-friendly Pencil containing seeds of trees at the tail-end to inculcate a habit of seed plantation after exhausting the pencil, as an initiative to protect the environment.

All these activities conducted by Chandernagore College under the supervision of environmental experts, create a unique institutional paradigm to protect the environment by making the people aware as well as by performing direct environmental protection activities. Among them, the activities including **Mangrove Plantation** and **Know Your Ganges** at Chandannagar Project are unique in nature. In Indian educational context, Environmental Study is mandatory and these activities give practical knowledge to the students for environmental protection.

Constraints/Limitations Faced: While implementing all the activities related to the above-mentioned specialized practices with collaborators, the most constraints were faced by us was in the project of **Mangrove Plantation** on the West Bank of Hooghly River. It is very difficult to protect the Mangroves in the changed environmental factors and from anthropogenic activities.

5. Evidence of Success

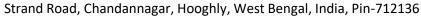
In all the activities categorized above, the target groups of students actively participated as per the scheduled programmes. As for examples all the UG and PG students of Geography Department participated in the Eco-friendly Pencil Production and Awareness Programme with IIARI, Kolkata. All the Bio-Science students and Chemistry Honours students participated and actively contributed to the generation of Data Bank on the River Ganges at Chandannagar. Students of Commerce and NSS Volunteers are also involved in Mangrove Plantation Programme. The students of the Departments of Botany, Zoology, Environmental Science and Chemistry are involved in collecting data for the purpose of Green Audit Report preparation. Students of the Department of Botany are involved in maintaining Medicinal Plant Garden in college campus. All these activities reflections

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evidence of success of the Environmental Awareness and Environment Protection Programme.

Summary of evidences of success

S1. No	Type of Programme organized	Number of programme
1	Seminar organized on Environmental awareness	5
2	Workshop organized on Environmental Data collection	3
3	Hands-on training organized on Environmental parameters	4
4	Plantation programme organized	4
5	Campaign programme organized on Environmental awareness	2
6	Field visit /Field training programme organized on Environmental awareness	4

6. Problems Encountered and Resources Required

While implementing all the activities related to the specialized practices with collaborators the most constrains faced by Chandernagore College is in the project of **Mangrove Plantation** in the west bank of Hooghly River. It is very difficult to protect the Mangroves from changed environmental factors and from anthropogenic activities.

Specific Problems encountered in Mangrove Plantation:

- a. Scarcity of proper vacant land for plantation.
 - i. Growth of the planted species is slow.
 - ii. Anthropogenic activities hamper the planted species.
 - iii. High tide situation in bank of river Hooghly.

b. Resource required:

- i. Large number of Mangrove saplings from Sundarbans.
- ii. Vacant land required for Mangrove Plantation in the river bank.
- iii. Specialist recommendation / suggestion required for survival of the planted species in a new situation.
- iv. Specific funding from government agencies for Mangrove plantation in large scale.

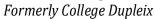
7. Notes (Optional)

Mangrove Plantation Programme is a unique programme to be adopted by the different institutes situated near the banks of River Hooghly / Ganges throughout West Bengal in a large scale manner to prevent devastating soil erosions especially in the districts of Mursidabad, Maldah, Hooghly, etc. Moreover, Mangroves build a Bio-Shield against the tidal waves which are active forces involving soil erosion process. Mangroves also provide shelter for various creators to nourish biodiversity in that area and helps in cleaning the environment.

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The following documents are being attached as supporting documents related to the Best pracice-1 (Preserve Nature for Our Future)

7.2.1. Document Index:

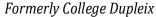
S1.	Document Description & Link		
1	MoU with Collaborators for Environmental awareness and Protection Activities.		
	Link for the Documents:		
	https://chandernagorecollege.in/naac_dvv/assets/naac_document/All_MOU_merged_compressed1.pdf		
2	Reports on Hands-on training/Seminar/workshop with ECSF		
	Link for the Documents:		
	https://chandernagorecollege.in/naac dvv/assets/naac document/7 2 1 MoU activities on Environment with ECSF1.pdf		
3	Reports on Mangrove Plantation programmes /seminar with Purbasha Eco-Helpline Society		
	Link for the Documents:		
	https://chandernagorecollege.in/naac dvv/assets/naac document/Mangrove Plantation and Seminar with purbasha.pdf		
4	Reports on seminar/field training with Chandernagore Municipal Corporation		
	Link for the Documents:		
	https://chandernagorecollege.in/naac_dvv/assets/naac_document/FINAL_REPORT_SEMINAR_ON_WASTE_MANAGEMENT.pdf		
5	Reports on field training with Pallabi Nursery		
	Link for the Documents: https://chandernagorecollege.in/naac dvv/assets/naac document/Programme Report Field Training Programme on "Horticultural Techniques" Pallabi Nursery 25 04 2023 .pdf		
6	Reports on Gardening and Training on Vermi-Compost production with Mrityunjoy and Sons (Vermi-compost)		
	Link for the Documents:		
	https://chandernagorecollege.in/naac dvv/assets/naac document/7 1 2 Green Campus Initiatives Garden Vermi etc.pdf		
7	Reports on workshop with Integrated Institute for Advanced Research and Information (IIARI).		
	Link for the Documents:		
	https://chandernagorecollege.in/naac dvv/assets/naac document/SEMINAR-IIARI-17 06 23.pdf		
8	Reports on sapling distribution in slum areas of Chandannagar THROUGH NSS Unit.		
	Link for the Documents:		
	https://chandernagorecollege.in/naac dvv/assets/naac document/NSS SAPLING DISTROIBUTION REPORT ENVS DAY 2022.pdf		
9	Reports on the Wild life Photography, Water Day, Ozone Day, World Environment Day, World Oceanography, Week		
	Programmes Link for the Documents:		
	https://chandernagorecollege.in/naac dvv/assets/naac document/Environment awareness promotional activities Merged.pdf		
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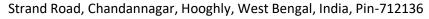






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Criterion 7 - Institutional Values and Best Practices

Key Indicator - Key Indicator - 7.2 Best Practices

Academic sessions: 2022-23

Best Practice -2

1. Title of the Practice: Administration at Fingertips

2. Objectives of the Practice

This is the era of Administration at fingertips through e-Practices/e-Governance/e-Communication/e-Academics etc. To fulfill the Vision of administration at fingertips, Chandernagore College adopted paperless administration in the following areas for conduction of smooth and fast Administrative activities: (a) Functioning of Administrative Activities (b) Financial Management (c) Student Admission & Transfer Certificate issuance (d) Student data Management (e) Student Support Systems including Scholarship verifications (f) Student progress/course outcome attainment (g) Student coaching for entry into the services (h) University Registration & Enrolment for Semester end Examinations (i) Recording of Internal and Practical Marks

We adopted this as an essential practice. The main objectives of this best practice are as follows:

- a. Administrative services at the click of a mouse
- b. Paperless administrative functioning to Save Trees and Save Environment.
- c. Smooth and faster communications.
- d. Provide services smoothly.
- e. Reduce the time period for providing services.

3. The Context

The students of Chandernagore College come from different parts of the Hooghly district and nearby districts. So, it is essential to adopt such a system that can communicate with students in no time. Chandernagore College also took an initiative to save nature and natural resources as another best practice. To follow-up the objectives of that practice it is essential to adopt paperless administrative works as a best practice in this institution.

4. The Practice

The Best Practice has been executed in different ways-

- Administrative communications through college website & student app
- Financial Management through WBIFMS & PFMS





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- Student Admission & Transfer Certificate issuance through separate Admission portal
- Student database management through ERP software
- Student progress/course outcome attainment through separate portal
- Student coaching for entry into the services through web portal
- Student support systems including scholarship verifications through institutional login in other portals
- Learning Management System (LMS) provides e-learning materials from any part of the world
- University Registration & Enrolment for Semester end Examinations through student login in college portal
- Recording of Internal and Practical Marks through faculty login in University portal
- **E-Journal TRIVIUM** through which scholars and faculty members can publish their research works

Chandernagore College introduced/adopted various systems in administration to fulfill the vision of Paperless Administration.

- 1. Administrative communications done through: College **website** and **institutional emails** and through **Collosol, the** student app developed by the institution.
- 2. Financial Management done through **WBIFMS** portal and **PFMS** portal.
- 3. Student Admission & Transfer Certificate issuance: Separate **Admission Portal** caters the services of Student Admission and issuance of Transfer Certificates.
- 4. Student database management: Cloud based **ERP software** to manage the student data.
- 5. Student support systems including scholarship verifications: through **Institutional login** in various Government portals, provide services to the students. Receiving the online grievances through college website.
- 6. Student progress/ course outcome attainment has been mapped through a separate portal.
- 7. Coaching for entry into the services has also been done through a separate portal.
- 8. University Registration & Enrolment for Semester end Examinations: Chandernagore College adopted a system through which students can fill their enrolment in semester end examination including payment process in **zero contact** manners.
- 9. Recording of Internal and Practical Marks: Portal based uploading of marks of internal examinations and Practical examinations through Institutional login.

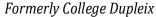
Constrains/Limitations Faced:

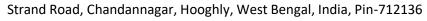
- Interruptions in internet services provided by the external agencies, due to various reasons.
- Change in the email ids and cell phone numbers of the students hamper the communications in individual level.





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5. Evidence of Success

Smooth functioning of Administration in the above mentions fields through electronic media, apps, websites, portals etc. record the evidence of success of the best practice "Paperless Administration".

Summary of evidences of success

S1. No.	Services executed through electronic media	Beneficiaries
1	College website (<u>www.chandernagorecollege.ac.in</u>)	All the Student, Teacher, Non-Teaching Staff, Alumni & Others
2	Collosol Portal (https://chandernagorecollege.ac.in/cms)	Faculty members
3	Collosol student app	All the students
4	Admission portal (<u>www.chandernagorecollegeadmission.ac.in</u>)	Applicants for admission
5	ERP Software (https://chandernagorecollege.in/erp/index.php)	All the students
6	WBIFMS Portal (www.wbifms.gov.in)	Staff members
7	Entry into the services portal (https://e-exammantra.com/chandernagore-college)	All the students
8	Student fees payment and enrolment portal (https://chandernagorecollege.in/)	All the students
9	LMS portal (https://chandernagorecollege.in/eshikshak/)	All the students
10	PO CO attainment portal (https://chandernagorecollege.in/POCO/)	All the students
11	e-Journal TRIVIUM (https://trivium-journal.in) by Chandernagore	All the Faculty members
	College	and Scholars
12	NACC related Criteria wise data management software (https://chandernagorecollege.in/naac_dvv/admin/naac_category)	IQAC

6. Problems Encountered and Resources Required Problems Encountered:

- a. Interruptions in internet services provided by the external agencies, due to various reasons.
- b. Change in the email ids and cell phone numbers of the students hamper the communications in individual level.
- c. Lack of proper device for each and every student to receive the e-facilities provided by the institution.

Resource required:

- i. Scheme from the Government that helps the students to receive proper electronic devices.
- ii. Good IT Company having capability to develop effective software's/portals.

7. Notes (Optional)

Paperless Administration is a very good practice that makes the administration smooth and faster. Not only that, this practice helps us to save trees and save environment.

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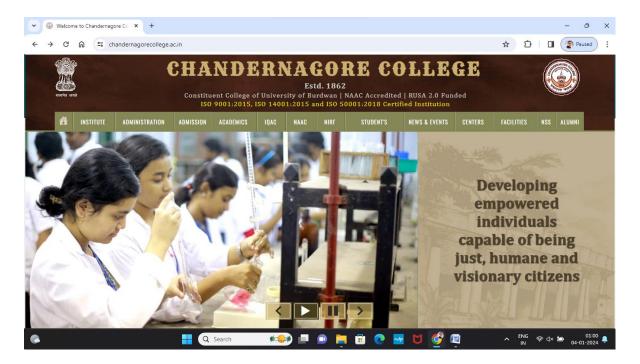
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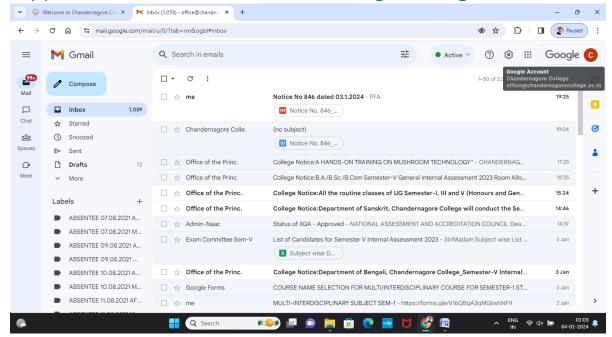
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The following documents are being attached as supporting documents-

- Interfaces of all the e-facilities adopted / provided by the institute
 - (a) Interface of the College Website:



(b) Interface of Official mail of Chandernagore College



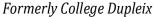




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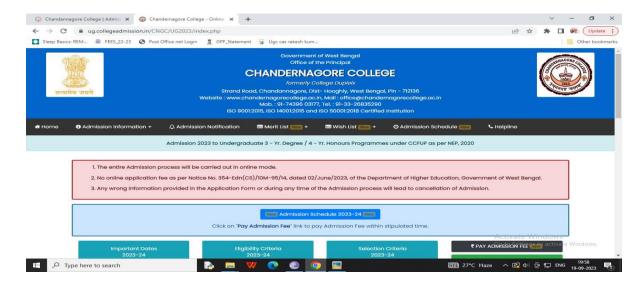
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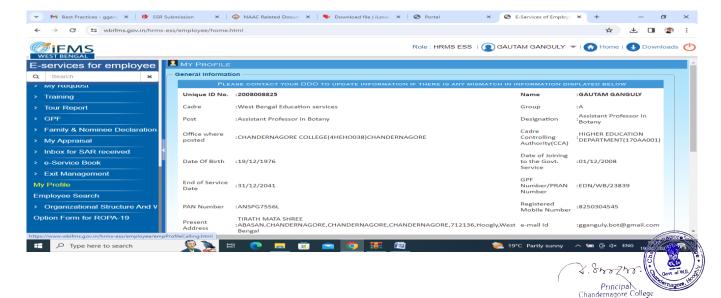
(c) Student Admission Portal of Chandernagore College



(d) PFMS Portal



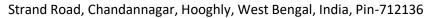
(e) Interfaces of WBIFMS Portal





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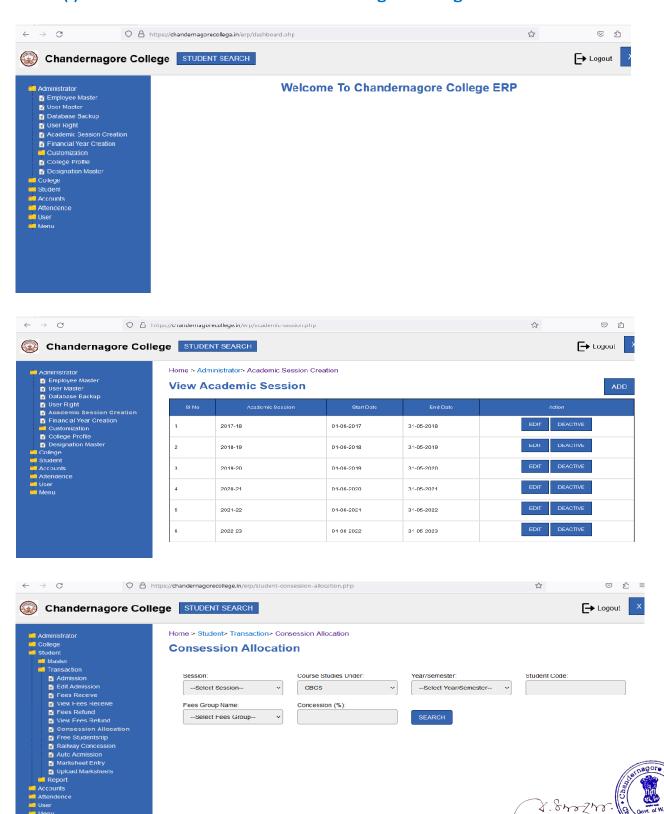


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(f) Interfaces of ERP software Chandernagore College

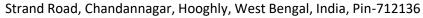


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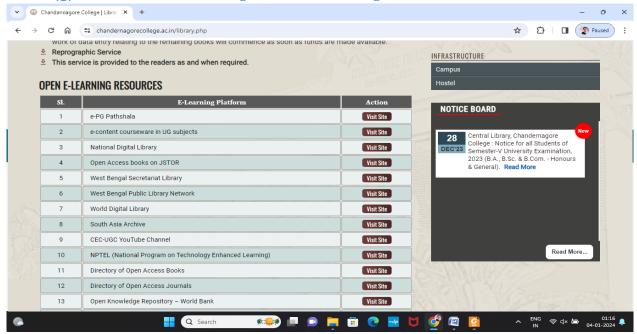


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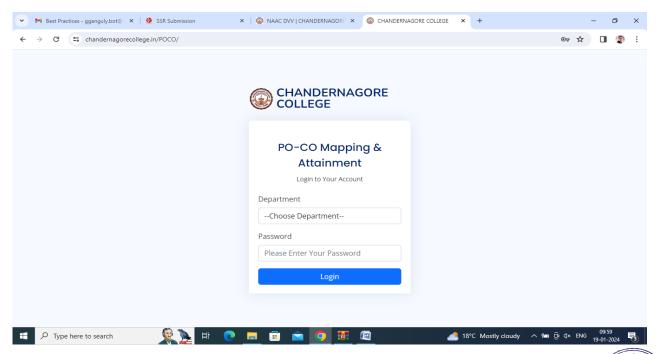
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(g) Interfaces of E-Learning Resources in college website



(h)PO CO attainment & mapping portal



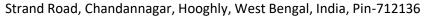






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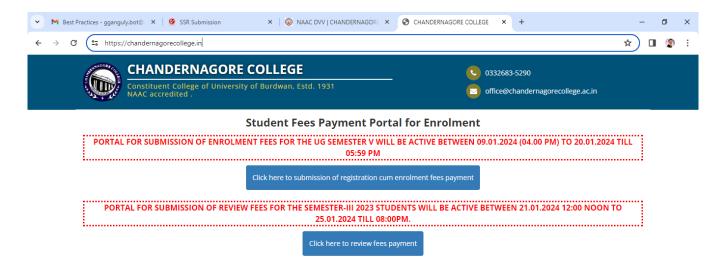


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(i)Fees payment and enrolment portal





(j) LMS Portal



