



JHARGRAM RAJ COLLEGE

(Government of West Bengal)



affiliated to Vidyasagar University

A DBT Star College

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NAAC SSR CYCLE II
CRITERIA 6
INSTITUTIONAL VALUES & BEST PRACTICES
SUPPORTING DOCUMENTS FOR
6.5.2

Links to additional documents

1. IQAC MEETINGS AND MINUTES: <https://jrc.ac.in/iqac/download.php?c=1>
2. NIRF DATA: https://jrc.ac.in/iqac/working_folder/DOWNLOAD-G-0-8-663DF1A241B08.pdf
3. ENERGY AUDIT: https://jrc.ac.in/iqac/working_folder/DOWNLOAD-G-0-5-663DE559E7C32.pdf
4. GREEN AND ENVIRONMENTAL AUDIT: https://jrc.ac.in/iqac/working_folder/DOWNLOAD-G-0-5-663DE5E2D48A5.pdf
5. INTERNAL ADMINISTRATIVE AUDIT: https://jrc.ac.in/iqac/working_folder/DOWNLOAD-G-0-5-663DE665A018B.pdf
6. INTERNAL ACADEMIC AUDIT: https://jrc.ac.in/iqac/working_folder/DOWNLOAD-G-0-5-663DE6A3C1A86.pdf

IQAC MEETING MINUTES

ACADEMIC YEAR: 2018 - 2019

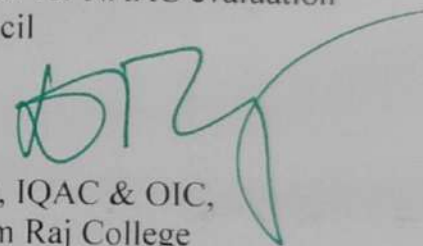
NOTICE

O/C No. 136(a) .

Date: 11.9.2018

A meeting of the Internal Quality Assurance Cell (IQAC) of Jhargram Raj College will be held on 18.09.2018 at 2:00 pm in the Principal's chamber. All the members are hereby requested to make it convenient to attend the meeting.

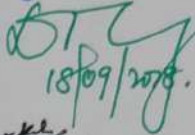
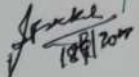

- Agenda: 1. Review the progress of preparation of SSR and preparation for NAAC evaluation
2. Responsibilities of NAAC committee under Teacher's council


Chairman, IQAC & OIC,
Jhargram Raj College

Copy to:

1. Sri Parthapratim Mukherjee, Coordinator, IQAC & Associate Professor of Economics
2. Smt. Sarmistha Mitra, Associate Professor of English
3. Dr. Nirmal Pradhan, Associate Professor of Physiology
4. Dr. Subha Manna, Associate Professor of Zoology
5. Smt. Sukti Chowdhury, Associate Professor of Sanskrit
6. Dr. Pradipta Ghosh, Assistant Professor of Chemistry
7. Dr. Sourabh Mukhopadhyay, Assistant Professor of Physics
8. Dr. Sandip Sarkar, Assistant Professor of Mathematics
9. Sri Partha Pratim Ghatak, Head Clerk

Members present in the meeting of IQAC,
Jhargram Raj College, held on 18.09.2018

Sl. no.	Name.	Signature
1.	DR. DEBNARAYAN ROY	 18/09/2018.
2.	Shi Shivendra Bijoy Malladeb.	 18/9/2018
3.	Sri parashuram Pochim Ghatak, H.C.	Parashuram Ghatak 18.9.18.
4.	Susil Kr Barman	SwB 18.9.18
5.	Dr Anurag Kumar Mukherjee	Skh Mukherjee 18.9.2018
6.	Anjanman Datta	Signature 18-9-2018
7.	Sandeep Gokhale	Mr 18/09/2018
8.	SOURABH MUKHOPADHYAY	Sourabh Debnarayan 18/9/18
9.	Rajendra Prasad De	ful 18.09.18
10.	Seelha Manna	Sanna 18.9.18
11.	 Parthapradip	18.9.18
12.		

Resolutions 18/9/18.

1. Minutes & Resolutions of the last meeting (7/3/2018) was read and confirmed.
2. IQAC Coordinator P.P. Mukherjee stated that Preparation of SSR is under process. But to fill up the details College need to do some administrative and academic activities, otherwise College will fail to get a good score in NAAC.
3. He stated IQAC has failed to prepare SSR within July 2018, though successfully uploaded all the previous AQARs (Annual Quality Assurance Reports) within 12th June, 2018.
4. He also stated the failure of uploading SSR within July, 2018 is not due to the Internal Members of IQAC, but most of the data to be filled up in the format of SSR has not been received by the Coordinator in due time.
5. Suggestions came — (a) to install kitchen garden (b) Tree Plantation. (c) College beautification, (d) College Campus Cleaning (e). Installation of Solar Panel, which was suggested earlier is repeated.
6. OIC informed a letter to Chief Engineer has already been sent.
7. A New NAAC Sub committee under Teachers Council has been formed. All relevant data will be sent to New NAAC sub committee from IQAC.
8. IQAC proposed to meet with non-teaching staffs of the college along with the new NAAC sub committee and discuss matters related to Office Performance in NAAC.
9. More meetings with internal members of IQAC should be held to keep all updated with the necessary data required to upload SSR.

BM

Members present in the meeting of the IQAC,
Jhargram Raj College, held on 20.11.2018.

Sr. No.

Name.

Signature
with Date

1. DR. DEBNARAYAN ROY

DTL
20/11

2.

Jalpa
20/11

3. Dr. Partha Pratim Ghatak

Partha G

4. Subil Ks Bannan

Sub 20

5. Dr. Subrata Kumar Mukherjee

Subrata

6. Rajendra Prasad DC

Rajendra

7. Angsuman Datta

Angsuman

8. Samelip Sarker

Samelip

9. Subha Manna

Subha

10. SOURABH MUKHOPADHYAY

Sourabh

11. Parthapratim Mukherjee

Partha

12.

Minutes and Resolutions of IQAC Meeting held on 20.11.2018.

Minutes

- The meeting is presided over by Dr. Debnarayan Roy, Officer-in-Charge and Chairperson, Internal Quality Assurance Cell, Jhargram Raj College.
- The minutes of the last IQAC meeting held on 18.9.2018 was read and duly confirmed.
- Meeting of internal members of IQAC held on 10.10.2018 and the meeting of IQAC with non-teaching staff of Jhargram Raj College held on 10.10.2018 were also read and confirmed.
- The review of works done by IQAC since March 2018 was presented by Prof. Parthapratim Mukherjee, IQAC Co-ordinator, Jhargram Raj College. At the outset, Prof. P. Mukherjee pointed out that IQAC assures the internal quality of a college, offers suggestions to the college authority and acts as internal auditors. IQAC is also responsible for preparation of Annual Quality Assurance Reports (AQARs) and in this regard IQAC, Jhargram Raj College has prepared AQARs for the last 4 academic sessions after getting due approval from Teachers' Council meeting.
- Prof. Mukherjee focussed on criteria like Student Satisfaction Survey, curricular aspects, academic flexibility etc. He further explained that the data furnished and uploaded in SSR would be verified and validated by a third party and as such all the uploaded data would have to be substantiated with relevant supporting documents. He further informed that IQAC had also made necessary corrections in latest AISHE report submitted by college.
- After a review of the present state of affairs as well as the strengths and weaknesses of the college, it was proposed by Prof. Mukherjee that new subjects like Santhali, Anthropology, Statistics, Geography etc. could be introduced in the college. Regarding CBCS curriculum, Prof. Mukherjee, opined that there must be uniformity in presentation of facts and figures like student attendance by both the departmental Heads and the college authority. He also informed that a list of 172 proposals have also been submitted to the college authority by IQAC.
- Dr. Debnarayan Roy, OIC, informed that proposals for civil and electrical works have been sent to the appropriate authority.
- Prof. Mukherjee, IQAC Coordinator of our college sought the opinion and suggestion of all the members regarding future planning and strategies to be undertaken by the college to overcome the shortcomings and further strengthen the strengths of the college. Prof. Mukherjee opined that the college should immediately introduce certificate courses and take steps for opening of study centres like IGNOU on an immediate basis. Dr. Subrata Mukherjee opined that all the courses that are relevant to the surrounding environment- topology, local culture, demography etc. of Jhargram should be introduced. He further pointed out that opinions be sought from all concerned HODs for introduction of certificate courses. In this context, Dr. Subha Manna opined that goatery as a subject could be introduced. Suggestions were received from all the IQAC members regarding introduction of subjects and/or certificate courses like folk and local culture, farming, agriculture etc. After receiving suggestions from all the members, it was resolved that initiatives would be undertaken for introduction of new certificate courses and/or subjects as well as for opening up of study centre like IGNOU in due course.

Resolved that:

- College should take initiative to introduce the new subjects and approach Higher Education Department for the same.
- Civil and Electrical works have to be started immediately.
- New certificate courses on (i) Self-defence (ii) Basic computer skill will be introduced.
- A committee with name in tune with of Loko Sanskriti will be formed to preserve and showcase local folk culture.
- Proposal for opening IGNOU will be sent to appropriate authority

DTL

NOTICE

O/C No. 36A.....

Date: 06/03/2019

A meeting of the Internal Quality Assurance Cell (IQAC) of Jhargram Raj College will be held on 15.03.2019 at 12:00 noon in the Principal's chamber. All the members are hereby requested to make it convenient to attend the meeting.

- Agenda:
1. Preparation for NAAC evaluation
 2. Quality improvement of the College
 3. Matters arising



Chairman, IQAC & OIC,
Jhargram Raj College

Copy to:

1. Sri Parthapratim Mukherjee, Coordinator, IQAC & Associate Professor of Economics
2. Smt. Sarmistha Mitra, Associate Professor of English
3. Dr. Nirmal Pradhan, Associate Professor of Physiology
4. Dr. Subha Manna, Associate Professor of Zoology
5. Smt. Sukti Chowdhury, Associate Professor of Sanskrit
6. Dr. Pradipta Ghosh, Assistant Professor of Chemistry
7. Dr. Sourabh Mukhopadhyay, Assistant Professor of Physics
8. Dr. Sandip Sarkar, Assistant Professor of Mathematics
9. Sri Partha Pratim Ghatak, Head Clerk

Members present in the meeting of IQAC,
Jhargram Raj College, held on: 15/03/2019

S. No.

Name

Signature

1. ~~Sri~~ Dr.
2. SRI SHIVENDRA BIJOY MALLADEB
3. Subrata Mukhopadhyay
4. Sourabh Mukhopadhyay
5. SANDIP SARKAR
6. PARTHAPRATIM MUKHERJEE
7. Subha Moane
8. SHARMISTHA MITRA
9. SUKTI CHAUDHURI

Signature

Subrata Kumar Mukhopadhyay
15.3.2019

Sourabh Mukhopadhyay
15/3/19

Sandip Sarkar
15/03/20

Parti
15/3/19

Subha
15.3.19

Sharmistha
15.3.19

Sukti
15.3.19

Minutes and Resolutions of IQAC Meeting held on 15.03.2019.

Minutes

1. The meeting is presided over by Dr. Debnarayan Roy, Officer-in-Charge and Chairperson, Internal Quality Assurance Cell, Jhargram Raj College.
2. The minutes of the last IQAC meeting held on 20.11.2018 was read and duly confirmed.
3. Sri Partha pratim Mukherjee, Coordinator, IQAC informed that screening/selection for promotion under CAS for 04 (four) teachers has been successfully done and the papers has been sent to Higher Education department for approval and necessary orders.
4. Dr. Debnarayan Roy, OIC informed that proposal for a separate building for PG courses which was sent to the Higher Education Department has been reinitiated with the help of PWD. Fund for renovation works of the college building and the hostels has been sanctioned by Govt. and the work commence very soon. PWD is in process completing the necessary formalities.
5. Dr. Debnarayan Roy, also informed that the initiative that the College had taken to install solar PV plant under proactive help of Dr. Sourabh Mukhopadhyay may get a final shape as Pollution Control Board may install 05kWp solar PV plant on the roof of the College.
6. Sri Parthapratim Mukherjee emphasised on taking initiatives for posting of non-teaching staff and fill up the vacant positions. Dr. Debnarayan Roy agreeing with Sri Mukherjee, stated that how necessary it is to fill up the vacant posts of non-teaching staff to run the college smoothly.
7. All the members came up with a view, after Sri Angsuman Dutta's proposal, that to shoulder the socio-economic responsibility, the college should take initiative to introduce job oriented course like Mushroom culture and the local unemployed youths along with the students may be involved to inculcate entrepreneurship attitude.
8. Sri Subrata Mukherjee, alumnus of the college, stated that the existing Alumni Association should get registered under Society Registration Act. Prof Mukherjee informed all the members that alumni association of the Physics Dept. has already been registered and therefore the College alumni association may get help from Physics Alumni Association to complete the process of registration.
9. Sri Malladeb, member of the Raj family, promised to extend his help and cooperation for quality improvement of the college.
10. The meeting ended with thanks from Coordinator, IQAC.

Resolved that:

1. College will make deliberations with PWD so that renovation works of the college and the hostels can be started without any delay.
2. Deliberations with Pollution control board should be made so that solar PV plant can be installed.
3. Job oriented course like Mushroom culture to be introduced and
4. Proposal for opening IGNOU will be sent to appropriate authority local unemployed youths along with the students may be involved for entrepreneurship development.
5. Alumni Association of the College should get registered under Society Registration Act. And the Association will be asked to take necessary initiative in this regard.

Signature

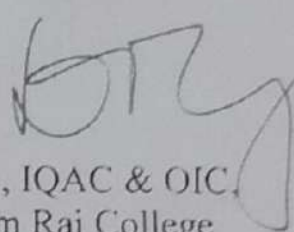
IQAC MEETING MINUTES
ACADEMIC YEAR: 2019 - 2020

NOTICE

O/C No. 90

Date. 20-06-19

This for your information that a meeting of the Internal Quality Assurance Cell (IQAC) of Jhargram Raj College will be held on **25.06.2019 at 12:00 Noon** in the Principal's Chamber to review the works of IQAC during the last quarter of current academic session and review the preparation for getting assessed and accredited by the NAAC of India. All members of the IQAC, Jhargram Raj College, are requested to attend the meeting.


Chairman, IQAC & OIC,
Jhargram Raj College

Copy to: Internal Members of IQAC:

1. Sri Parthapratiim Mukherjee, Coordinator, IQAC & Associate Professor of Economics.
2. Smt. Sarmishta Mitra, Associate Professor of English.
3. Smt Sukti Chaudhuri, Associate Professor of Sanskrit.
4. Dr. Subha Manna, Associate Professor of Zoology.
5. Dr. Pradipta Ghosh, Assistant Professor of Chemistry.
6. Dr. Sourabh Mukhopadhyay, Assistant Professor of Physics.
7. Sri Sandip Sarkar, Assistant Professor of Mathematics.
8. Sri Partha Pratim Ghatak, Head Clerk.

Copy to: External Experts of IQAC:

1. Sri Shivendra Bijoy Malladeb, Chairman, Jhargram Municipality
2. Dr. Subrata Mukhopadhyay, Jhargram
3. Dr. Rajendra Prasad De, Assistant Professor of Botany Govt. General Degree College at Mohanpur
4. Sri Sushil Kumar Barman Officer-in-Charge, Jhargram Raj College (Girls' Wing), Jhargram
5. Sri Angshuman Dutta, Dutta Traders, Jhargram

Members present in the meeting of IQAC, Jhargram
Raj College, held on 25/06/2019

Sr No.	Name	Signature
1.	Debnarayan Roy	 25/6/19
2.	SRI SHIVENDRA BISOI NALLADEV	
3.	Subrata Mukhopadhyay	 25.6.19
4.	PARTHAPRATIM MUKHERJEE	
5.	Souzabh Mukhopadhyay	 25/6/19
6.	SANDIP SARIKAR	 25/06/19
7.	Subha Manna	
8.	SHARMISTHA MITRA	 25
9.	SUKTI CHAUDHURI	 25

Minutes and Resolutions of IQAC Meeting held on 25.06.2019.

Minutes

- The meeting is presided over by Dr. Debnarayan Roy, Officer-in-Charge and ^{Chairperson} President, Internal Quality Assurance Cell, Jhargram Raj College.
- The minutes of the last IQAC meeting held on 15.03.2019 was read and duly confirmed.
- Sri Parthapratim Mukherjee, Coordinator, IQAC proposed that college should give emphasis on community and extension works to help local underprivileged community as much as possible. Sri Mukherjee also gave a brief overview of NAAC accreditation and process involved in it. He informed that criteria-wise details has to be prefilled before uploading SSR in NAAC portal and all the supporting documents to be kept ready in prescribed format. Teachers of the college have to take extra load for preparing good documentation for the SSR.
- Sri Mukherjee informed the, IQAC tried to figure out the socio-economic and demographic profile of the students and that is very interesting and will help the college to prepare its future policy for better teaching learning process. He also highlighted shortcomings of the college infrastructure. All the present members opined that infrastructural facilities like central computer lab, wi-fi campus to be upgraded immediately. Power back-up system should also be installed with the help of PWD (electrical). Necessary renovation work for civil and electrical works should commence immediately.
- Dr. Debnarayan Roy, reported that PWD civil & electrical already completed the formalities and the work will commence in no time. The college is also waiting for development grant to be utilized for up gradation of teaching facility and meet needs from different departments. Proposal for introduction of new subject has already been sent to the Higher Education Department. Solar PV plant will be installed very soon. He also pointed out that Alumni Association is taking initiative to get them registered under society act.
- Coordinator IQAC proposed that local culture of Jhargram and its adjoining junglemahal area with its history, heritage sites, folk culture, rich flora and fauna should be highlighted and showcased and the college should take initiative for the same. College is also taking initiative to start community a
- Dr. Subrata Mukherjee emphasised on setting up of a museum to preserve the local culture and crafts. All members gave a support to the proposal.
- Proposal also came to approach to CMOH, Jhargram to arrange weekly visit of medical officer to meet the need of sick college students.

Resolved that:

- College will seriously concentrate to uplift the infrastructural facility like central computer lab, wi-fi facility.
- A good no. of computers will be purchased. LAN will be refurbished. WI-FI facility will be made available to all students.
- A museum to preserve the local culture and crafts will be set-up.
- CMOH, Jhargram will be approached to arrange weekly visit of medical officer in the College.
- College will take initiative to start community and extension work to help local underprivileged community. It will also felicitate cultural exchange.



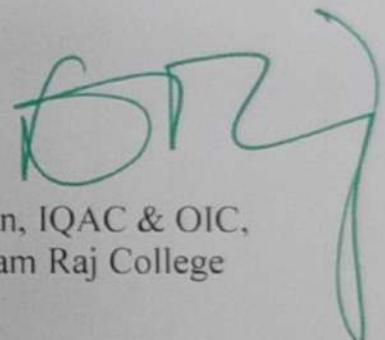
NOTICE

O/C No. 179(a).

Date: 18/11/2019

A meeting of the Internal Quality Assurance Cell (IQAC) of Jhargram Raj College will be held on 26/11/2019 at 12:00 noon in the Principal's chamber. All the members are hereby requested to make it convenient to attend the meeting.

- Agenda: 1. Preparation for AQAR 2018-2019.
2. Quality improvement of the College
3. Matters arising


Chairman, IQAC & OIC,
Jhargram Raj College

Copy to:

1. Sri Parthapratim Mukherjee, Coordinator, IQAC & Associate Professor of Economics
2. Smt. Sharmistha Mitra, Associate Professor of English
3. Dr. Satyajit Ghorai, Assistant Professor of Commerce
4. Dr. Rahul Dutta, Associate Professor of Zoology
5. Smt. Sukti Chowdhury, Associate Professor of Sanskrit
6. Dr. Pradipta Ghosh, Assistant Professor of Chemistry
7. Dr. Sourabh Mukhopadhyay, Assistant Professor of Physics
8. Dr. Sandip Sarkar, Assistant Professor of Mathematics
9. Smt. Sudipta Mullick, Assistant Professor of Philosophy
10. Sri Partha Pratim Ghatak, Head Clerk

12. Copy to all External Members of IQAC.

Members Present in the Meeting of IQAC
Jhargram Raj College on 26.11.2019.

1. DEBNARAYAN ROY

Dr. 26/11/2019

2. PARTHAPRATIM MUKHERJEE

26/11/19

3. Angsuman Bhatta 26.11.2019

SwB 26.11.19

4. Susil Kr Barman 26.11.2019

MM 26/11/2019

5. SANDIP SARKAR 26/11/2019

6. SOURABH MUKHOPADHYAY

26/11/19

7. SUDIPTA MULLICK

Mullick
26/11/19

8. PRADIPTA GHOSH

SMondal 26.11.2019

9. SUSOVAN MANDAL

26.11.2019

10. Subrata Mukherjee

26/11/19

11. SATYAJIT GHORAI

26/11/19

12. RAHUL KUMAR DATTA

Minutes and Resolutions of IQAC Meeting held on 26.11.2019

Minutes

1. Dr. Debnarayan Roy, Officer-in-Charge and Chairperson of IQAC, Jhargram Raj College presided the meeting welcoming all members present. He requested Dr. Susovan Mandal, Asst. Prof. of Chemistry to write down the minutes of the meeting.
2. The resolutions of the meeting held on 25.06.2019 were read and confirmed.
3. Dr. Debnarayan Roy, OIC, updated all the members regarding the ongoing renovation of the Hostels and the college campus. He stated that the renovations of one of the hostels has been completed and the same for other two hostels are in progress. The renovations (both electrical and civil) of academic building are in full swing.
4. Dr. Roy informed that 11 DTH (fiber optic) high speed (10 MBps) internet connections have been made available from BSNL. Tender for LAN and arrangement for Wi-Fi campus had been published on 09.11.2019 and sufficient number of quotations have been received. The work for refurbishment of LAN and Wi-Fi campus will be completed very soon. To make the facility most effective and efficient, Coordinator, IQAC suggested to form a technical committee to plan supervise the works.
5. OIC informed the present members that solar PV panel of capacity of 5kWp has already been installed on the rooftop. The formalities for arrangement of net-meter from WBSEDCL is almost complete. Dr. Sourabh Mukhopadhyay stated that the net-meter arrangement will enable the college to quantify the generated electricity from solar PV panel and will also reduce the electricity bill.
6. Dr. Roy informed that around 90 computers with UPS, 20 MFP printers and two copier machine will be purchased utilizing Development fund from Govt. and fund available from DBT star Scheme. The computers will help the students get much more access for their computational work and studying materials available online.
7. Sri Parthapratim Mukherjee, Coordinator IQAC informed that that the Community works those had been started long back by individual efforts of teachers to help local underprivileged and to enrich knowledge exchange, has now taken under the umbrella of college forums. Therefore, it has got considerable momentum. IQAC is committed to take more responsibility to extend community works with the help of teachers and students. Every members present admired the initiatives.
8. Sri Subrata Mukherjee enquired about the progress of proposed museum to preserve local culture, crafts and heritage. Coordinator, IQAC assured that the museum will be completed and opened to one and all very soon.
9. In reply to the query raised by Sri Sushil Kumar Burman regarding the progress of preparing AQAR and SSR, Coordinator IQAC intimated that AQAR for the academic year 2018-19 is almost complete and will be uploaded to NAAC portal withing due time. The preparation of SSR is also under process and will be uploaded to NAAC portal withing March 2020.
10. Sri Sushil Burman requested to increase the number and frequency of the value added courses which remained successful and attractive to the students.
11. The meeting ended with thanks from Coordinator, IQAC

It is resolved that

1. A technical committee will be formed to plan supervise the LAN and set-up of Wi-fi facility in the campus.
2. IQAC will put more effort to accelerate community works.
3. WBSEDCL will be requested to install net-meter immediately
4. Museum to preserve local culture, crafts and heritage will be opened very soon. IQAC will take necessary initiative in this regard.
5. AQAR for the academic year 2018-19 will be uploaded to NAAC portal withing due time. The SSR is expected to be uploaded to NAAC portal withing March 2020.

Dr. 26/11/2019

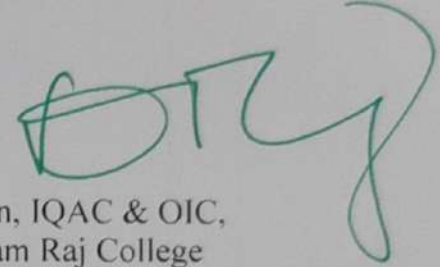
NOTICE

O/C No. 65

Date: 26/02/2020

A meeting of the Internal Quality Assurance Cell (IQAC) of Jhargram Raj College will be held on 05/03/2020 at 12:00 noon in the Principal's chamber. All the members are hereby requested to make it convenient to attend the meeting.

Agenda: 1. Uploading of IIQA and SSR
2. Matters arising



Chairman, IQAC & OIC,
Jhargram Raj College

Copy to:

1. Sri Parthapratim Mukherjee, Coordinator, IQAC & Associate Professor of Economics
2. Smt. Sharmistha Mitra, Associate Professor of English
3. Dr. Satyajit Ghorai, Assistant Professor of Commerce
4. Dr. Rahul Dutta, Associate Professor of Zoology
5. Smt. Sukti Chowdhury, Associate Professor of Sanskrit
6. Dr. Pradipta Ghosh, Assistant Professor of Chemistry
7. Dr. Sourabh Mukhopadhyay, Assistant Professor of Physics
8. Dr. Sandip Sarkar, Assistant Professor of Mathematics
9. Smt. Sudipta Mullick, Assistant Professor of Philosophy
10. Sri Partha Pratim Ghatak, Head Clerk
11. Copy to external members of IQAC

Members Present in the Meeting of IQAC
Jhargram Raj College on 05.03.2020

1. DEBNARAYAN ROY
2. PARTHAPRATIM MUKHERJEE
3. Angsuman Dutta 05.03.2020
4. SOURABH MUKHOPADHYAY 05/03/2020
5. SUDIPTA MULLICK 05.03.2020
6. SUSIL KR BARMAN 05.03.2020
7. PRADIPTA GHOSH 05/03/2020
8. SANDIP SARKAR 05/03/2020
9. SUSOVAN MANDAL 05.03.2020
10. Subrata Mukherjee 05.03.2020
11. SATYAJIT GHORAI 05/03/2020
12. RAHUL KUMAR DATTA 05/3/2020

Minutes and Resolutions of IQAC Meeting held on 05.03.2020

Minutes

1. Dr. Debnarayan Roy, Officer-in-Charge and Chairperson of IQAC, Jhargram Raj College presided the meeting welcoming all members present. He requested Dr. Susovan Mandal, Asst. Prof. of Chemistry to write down the minutes of the meeting.
2. The resolutions of the meeting held on 26.11.2019 were read and confirmed.
3. Dr. Debnarayan Roy, OIC, reported the recent upgradation of the infrastructural facility of the college. He reported that civil and electrical renovation works are near completion. A through renovation of the academic campus and hostels has been made. Some finishing works which are under way will be completed soon.
4. Dr. Roy reported that 91 computers, 20 MFP printers and 2 copier machines have been bought from GEM utilizing fund available for Govt. and DBT star scheme. The central computer lab has been rejuvenated with 22 new pcs along with internet and LAN. The computer lab of Physics department has also been refurbished with all necessary facilities. The whole campus has been made Wi-Fi enabled.
5. Initiatives have been taken to install net meter from WBSEDCL. All formalities have been done.
6. Coordinator IQAC reported that in the year 2019, IQAC processed 07 applications for promotions under CAS. 04 teachers already received Orders for promotion from Higher Education Department. IQAC will again start processing application for promotion of teachers as soon as the SSR will be uploaded. In this context Coordinator also reported that IQAC was informed by NAAC that AQAR for the academic year 2018-19 can not be uploaded separately. It is to be included in the SSR itself. IQAC, therefore planning to upload the SSR within March 2020 for evaluation and accreditation of the college by NAAC. OIC informed that College already applied to Govt. for drawal of advance of requisite amount to be paid to NAAC by online transfer.
7. Coordinator, IQAC reported that the civil carpentry jobs for Lokasanskriti Museum is almost complete and will be open to all very soon. Angsuman Dutta, Subrata Mukherjee Sushil Burman appreciated the effort.
8. Sushil Burman suggested to develop a multi-media room will requisite modern equipment and the proposal was well appreciated by all members.
9. Angsuman Dutta asked if the running value added courses be made available to interested persons apart from students. Dr. Roy apprised that college will think on this proposal seriously. Coordinator, IQAC informed that the has a land 57.76 acre. However, only 14,000 sqm of built-up area is used for academic and residential purpose. Some land is in use for outdoor sports and games. College should take immediate initiative to utilize remaining unutilized land to build new building which would help introduce new courses. A portion of the land may also be used to uplift sports facility of the college. All present members converged to this proposal readily.
10. Subrata Mukherjee asked to pursue on the proposal sent to Higher education Department for introduction of Santhali as new course. He also suggested to introduce need based vocational course in the college.
11. Subrata Mukherjee said that as per the information available to him, the community work among the underprivileged of local villages made a sound impact and welcomed by the villagers. He also suggested for a health awareness and preventive health check-up of the children of underprivileged community. Coordinator, IQAC suggested that NSS units should shoulder more responsibility to take up extension activity and community works for wellbeing of the underprivileged peoples of surrounding villages. They should adopt more villages and look after those with maximum sincerity.
12. Coordinator, IQAC suggested that college should take initiative to establish NCC unit in Jhargram Raj College.

It is resolved that

1. College will request WBSEDCL to install net meter urgently.
2. Initiative will be taken to utilize remaining free land of the college for new building and introduction of new courses.
3. College will stress up on extending community and extension works through college forum and NSS units will be asked to adopt more villages and organize camps in local villages of underprivileged people.
4. Lokasanskriti Museum will be opened soon and college will preserve local culture, craft and heritage as much as possible.
5. College will take initiative to establish NCC unit.
6. College will again request Higher Education Department to post faculties so that Santhali can be introduced as new course.

IQAC MEETING MINUTES

ACADEMIC YEAR: 2020-2021

Minutes and resolution of IQAC meeting held on 30.06.2020

Date of the meeting: 30.06.2020

Link of the meeting: <https://meet.google.com/rdc-aphy-crt>

Members present:

1. Dr. Debnarayan Roy, OIC & Chairperson
2. Dr. Sourabh Mukhopadhyay, Assistant Professor of Physics & Assistant Coordinator
3. Smt. Sarmistha Mitra, Associate Professor of English
4. Smt. Sukti Chaudhuri, Associate Professor of Sanskrit
5. Dr. Rahul Kumar Datta, Associate Professor of Zoology
6. Smt. Sudipta Mullick, Associate Professor of Philosophy & TCS
7. Dr. Pradipta Ghosh, Assistant Professor of Chemistry
8. Shri Sandip Sarkar, Assistant Professor of Mathematics
9. Dr. Satyajit Ghorai, Assistant Professor of Commerce

Minutes:

1. This is the first meeting of IQAC held online. Dr. Debnarayan Roy, OIC presided over the meeting.
2. Dr. Roy reported that renovation of the work of PWD (civil and electrical) is about to complete. He also mentioned that a college has tried to negotiate with PWD for Green generator installation.
3. He also mentioned that the college has helped the District Administration by preparing Sanitizer on 21st March, 2020 and 9th April, 2020. The local teaching staff from the Departments of Botany and Chemistry has participated in the preparation of Sanitizer.
4. He also mentioned that four relief work have been done by the college with the active participation of Alumnae Association of Physics, Jhargram Raj College, as per following schedule:

Date	Location	Remark
02.05.2020	Dulkidanga, Banstala, Jhargram	Some needy tribal families have been provided with essential food items
09.05.2020	Parihati, Jamboni	Some Nomad, Sabar and minorities have been provided with essential food items
26.06.2020	Gira, Pukuria, Jhargram	Almost 60 needy Lodha and Sabar families have been provided with essential food items
28.06.2020	Bhalukkhuliya, Kanko Binpur	Some tribal families have been provided with essential food items

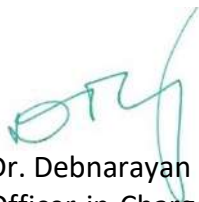
5. Dr. Sourabh Mukhopadhyay mentioned that due to lock down, the process of SSR uploading would be postponed until the favorable situation arises.
6. Dr. Pradipta Ghosh suggested motivation and counselling of students through online (as far as possible). He mentioned that a good number of students are facing problem

of using online facility through smartphone or internet data since most of them come from low-income group and from the rural area having poor mobile connectivity.

7. Smt. Sukti Chaudhuri and Smt. Sudipta Mullick said that since most of the teachers were unavailable due to lock down, the Physics Alumnae Association of the College (as most of the members live at or nearby Jhargram) should continue the relief work representing the college, if possible.
8. IQAC suggests the NSS unit of the college should also take initiative in this matter.
9. IQAC also suggests to seek permission from the District Administration, whether it is possible to host a training program with the Chemistry Department of the college for the preparation of sanitizer to be distributed within the society close to the college.
10. IQAC strongly recommends the college to pray for administrative approval for providing sanitization program for the college periodically, for purchasing sanitizer sprayer machines, dispensers, thermal scanners, masks, gloves, etc. for current situation.
11. It was decided that the reading room of the library for both teachers and students needed to be refurbished.

It is resolved that:

1. The college will request the PWD for the installation of green generator.
2. Student motivation and counselling through online mode may be done by different faculty members of the college.
3. Relief work would be continued with Physics Alumnae Association of the College and NSS Unit should try to take initiative in this matter.
4. Sanitizer preparation should be continued. If situation favors, a training program may be organized for spreading this initiative among the local populace with the involvement of social workers/ NGOs.



Dr. Debnarayan Roy
Officer-in-Charge
Jhargram Raj College

Minutes and resolution of IQAC meeting held on 01.08.2020

Date of the meeting: 01.08.2020

Link of the meeting: <https://meet.google.com/sas-iiwa-qkc>

Members present:

1. Dr. Debnarayan Roy, OIC & Chairperson
2. Dr. Sourabh Mukhopadhyay, Assistant Professor of Physics & Assistant Coordinator
3. Smt. Sarmistha Mitra, Associate Professor of English
4. Smt. Sukti Chaudhuri, Associate Professor of Sanskrit
5. Dr. Rahul Kumar Datta, Associate Professor of Zoology
6. Smt. Sudipta Mullick, Associate Professor of Philosophy & TCS
7. Dr. Pradipta Ghosh, Assistant Professor of Chemistry
8. Shri Sandip Sarkar, Assistant Professor of Mathematics
9. Dr. Satyajit Ghorai, Assistant Professor of Commerce

Minutes:

1. This is the second online and emergency meeting of IQAC.
2. Dr. Debnarayan Roy, OIC presided over the meeting. He mentioned that due to personal reason, Shri Parthapratiim Mukherjee, Associate Professor of Economics and IQAC Coordinator, has resigned from the post of IQAC Coordinator & member from IQAC.
3. Dr. Sourabh Mukhopadhyay, Associate Professor of Physics and Assistant Coordinator, IQAC is now requested to continue all the works of coordinator of IQAC for the time being, until further notice.
4. Dr. Roy also mentioned that a prayer has been given on 27.07.2020 for administrative approval for purchasing sanitizer sprayer machine and other related essential goods to combat with Covid 19 as suggested by IQAC in the last meeting, and in response to that an amount of Rs. 99709 (Ninety-Nine Thousand, Seven Hundred and nine only) has been sanctioned from Assistant Secretary, and approved by Principal Secretary, HE Department, Govt. of West Bengal on 29.07.2020.
5. IQAC suggests the college to organize webinar/online workshop to keep the academic culture of the college intact. Some teacher's training program may be arranged to make them familiar with the online system.

It is resolved that:

1. Dr. Sourabh Mukhopadhyay will continue all the works of coordinator of IQAC for the time being, until further notice.
2. College must initiate to organize various online programs like webinar, on line teacher's training program etc.



Dr. Debnarayan Roy
Officer-in-Charge
Jhargram Raj College

Minutes and resolution of IQAC meeting held on 06.09.2020

Date of the meeting: 06.09.2020

Link of the meeting: <https://meet.google.com/fyi-ggog-cjv>

Members present:

1. Dr. Debnarayan Roy, OIC & Chairperson
2. Dr. Sourabh Mukhopadhyay, Assistant Professor of Physics & Assistant Coordinator
3. Smt. Sarmistha Mitra, Associate Professor of English
4. Smt. Sukti Chaudhuri, Associate Professor of Sanskrit
5. Dr. Rahul Kumar Datta, Associate Professor of Zoology
6. Smt. Sudipta Mullick, Associate Professor of Philosophy & TCS
7. Dr. Pradipta Ghosh, Assistant Professor of Chemistry
8. Shri Sandip Sarkar, Assistant Professor of Mathematics
9. Dr. Satyajit Ghorai, Assistant Professor of Commerce

Minutes:

1. This is the third online meeting of IQAC. Dr. Debnarayan Roy, OIC presided over the meeting.
2. Dr. Sourabh Mukhopadhyay pointed out that Vidyasagar University has issued a notice (VU/PG/94/20 dated 05.09.2020) mentioning to begin online classes of all the PG departments on and from 14.09.2020. So, a full-fledged Routine and other academic activities must be started immediately through online mode. The college may take initiatives to do the same for UG classes also, he added.
3. Shri Sandip Sarkar said that the college contains a good number of students from underprivileged section; hence they are not getting the facilities of online classes and other online activities. Dr. Satyajit Ghorai urged on the steps that have been taken by the college to resolve the problem.
4. Due to closure of the college for a long time, the maintenance and infrastructural development have been stopped since last few months. IQAC recommends a campus cleaning program and also following up of the green generator and PWD work.
5. Dr. Debnarayan Roy mentioned that Calcutta whole sale Consumers' Cooperative Society has been requested for supply of Sanitizer dispenser, Sanitizer Sprayer machine, thermal scanner, masks and gloves to combat covid 19.
6. Dr. Roy also mentioned that communication has been done with PWD for installation of green generator in the college.
7. Dr. Rahul Kumar Datta mentioned that as per suggestion of IQAC, the teachers have been trained by the webinar organized by the college on 23rd and 24th August, 2020 (lecture was delivered online by Dr. Krishnendu Sinha, Assistant Professor of Zoology, Jhargram Raj college). He also mentioned that Department of Zoology has proposed to organize a lecture series in collaboration with Garhbeta College and two value added courses.

8. Some departments of the college have started webinar, may or may not be as a part of DBT Star college scheme.
9. Dr. Sourabh Mukhopadhyay pointed out that due to non-accessibility of the teachers to college campus, the work of net metering remains pending, which requires inspection.
10. The completion of the work for Loksanskriti centre has not been possible due to lockdown.
11. The process of sanitizer preparation is going on.

Resolutions:

1. The IQAC suggest the teachers to contact the students as far as possible and ask them to join online classes as far as possible.
2. IQAC expressed its concern about the probabilities damage of different articles of the college due to unused condition during the pandemic situation. Activities like maintenance and follow up of infrastructure development through PWD, sanitizer preparation etc. may be continued.



Dr. Debnarayan Roy
Officer-in-Charge
Jhargram Raj College

Minutes and resolution of IQAC meeting held on 02.12.2020

Date of the meeting: 02.12.2020

Link of the meeting: <https://meet.google.com/jyq-hcyt-vaf>

Members present

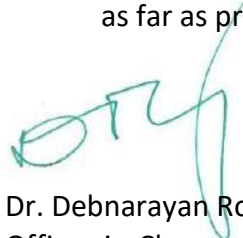
1. Dr. Debnarayan Roy, OIC & Chairperson
2. Dr. Sourabh Mukhopadhyay, Associate Professor of Physics & Assistant Coordinator
3. Smt. Sarmistha Mitra, Associate Professor of English
4. Smt. Sukti Chaudhuri, Associate Professor of Sanskrit
5. Dr. Rahul Kumar Datta, Associate Professor of Zoology
6. Smt. Sudipta Mullick, Associate Professor of Philosophy & TCS
7. Dr. Pradipta Ghosh, Assistant Professor of Chemistry
8. Shri Sandip Sarkar, Assistant Professor of Mathematics
9. Dr. Satyajit Ghorai, Assistant Professor of Commerce
10. Dr. Sushil Burman, OIC, Jhargram Raj College (Girls' Wing) and external Member
11. Dr. Rajendra Prasad Dey, Alumna and external member

Minutes:

1. Dr. Debnarayan Roy, OIC presided over the meeting.
2. Smt. Sarmistha Mitra and Dr. Sushil Burman mentioned that Vidyasagar University has issued a notice (VU/IC/Adm./116/2020, dated 01.12.2020) mentioning verification of documents submitted by newly admitted candidates must be completed by 15.12.2020, in a no-contact mode and online classes for the 1st Semester shall be commenced on & from 16.12.2020. Thus, IQAC suggests the college to issue a notice regarding this matter.
3. IQAC appreciates the sincerity and all the initiatives taken by the college for its successful completion of first online UG and PG examination, despite the current pandemic situation.
4. IQAC escalates that a good number of webinar has been organized by different Departments of the college, including a Lecture series (jointly with Garhbeta College).
5. As the college has received grants under DBT star scheme, in addition to webinar, two value added courses have been introduced. One is completed in October, 2020 and the other is to be completed in December, 2020. IQAC suggests to introduce more value added courses and also some winter/summer schools.
6. Extension activities with the help of Physics Alumnae association are going on and IQAC suggests continuing the same.
7. The promotion of three teachers through CAS has been done.

Resolution

1. Online classes and other activities must be continued until the situation improves.
2. Extension activities with the help of Physics Alumnae association must be continued as far as practicable.

A handwritten signature in blue ink, appearing to be 'Dr. Deb', is written over the printed name.

Dr. Debnarayan Roy
Officer-in-Charge
Jhargram Raj College

Minutes and resolution of IQAC meeting held on 13.03.2021

Date of the meeting: 13.03.2021

Link of the meeting: <https://meet.google.com/pwo-ujxt-ghk>

Members present

1. Dr. Debnarayan Roy, Principal & Chairperson
2. Dr. Sourabh Mukhopadhyay, Associate Professor of Physics & Assistant Coordinator
3. Smt. Sukti Chaudhuri, Associate Professor of Sanskrit
4. Dr. Rahul Kumar Datta, Associate Professor of Zoology
5. Smt. Sudipta Mullick, Associate Professor of Philosophy & TCS
6. Dr. Pradipta Ghosh, Assistant Professor of Chemistry
7. Shri Sandip Sarkar, Assistant Professor of Mathematics
8. Dr. Satyajit Ghorai, Assistant Professor of Commerce
9. Dr. Sushil Burman, OIC, Jhargram Raj College (Girls' Wing) and external Member
10. Dr. Rajendra Prasad Dey, Alumna and external member

Minutes:

1. Dr. Debnarayan Roy, Principal, Jhargram Raj College, presided over the meeting.
2. Smt. Sudipta Mullick, on behalf of Teacher's council and all the members of IQAC has congratulated Dr. Roy for his promotion to the post of Principal from Officer-in-Charge.
3. Dr. Satyajit Ghorai mentioned that, some of the students are still not getting accustomed with the online teaching mode. He also suggested that whether the college can provide some support like paying for the data for use of smartphone. The Principal mentioned that, being a Government college, there is no provision of financing the students directly.
4. Dr. Pradipta Ghosh suggested inspiration and advising of students through telephonic conversation, especially those, who cannot use smartphone regularly.
5. Dr. Sourabh Mukhopadhyay suggested that due to lock down, most of the teachers are not available in the college; as a result, infrastructural facilities are getting deteriorated. An inspection of WBSEDCL and vendor for net metering is essentially needed, he added.
6. Dr. Roy mentioned that Green Generator is yet to be installed.
7. IQAC suggests developing the medicinal garden in the college campus using local herbal flora and Dr. Rajendra Prasad Dey suggested the name of the garden may be done after the name of Ayurvedacharyya Sibkali Bhattacharyya. Principal replied that the work could be done immediately under the supervision of Shri Sudip Kumar Das, SACT, Jhargram Raj College.
8. IQAC suggests initiating some summer school program under DBT star scheme.

Resolution:

1. Student inspiration and advising through online/telephone may be done by different faculty members.
2. Infrastructural maintenance should be there, and if required, a campus cleaning program must be there.
3. A medicinal garden must be developed after the name of Ayurvedacharyya Sibkali Bhattacharyya.
4. The Departments having DBT star scheme are requested to arrange summer school program.

A handwritten signature in blue ink, appearing to be 'Dr. Deb', is written over a faint circular stamp.

Dr. Debnarayan Roy
Principal, Jhargram Raj College

Minutes and resolution of IQAC meeting held on 28.05.2021

Date of the meeting: 28.05.2021

Link of the meeting: <https://meet.google.com/bir-acco-trn>

Members present

1. Dr. Debnarayan Roy, Principal & Chairperson
2. Dr. Sourabh Mukhopadhyay, Associate Professor of Physics & Assistant Coordinator
3. Smt. Sukti Chaudhuri, Associate Professor of Sanskrit
4. Dr. Rahul Kumar Datta, Associate Professor of Zoology
5. Smt. Sudipta Mullick, Associate Professor of Philosophy & TCS
6. Dr. Pradipta Ghosh, Assistant Professor of Chemistry
7. Shri Sandip Sarkar, Assistant Professor of Mathematics
8. Dr. Satyajit Ghorai, Assistant Professor of Commerce

Minutes:

1. Dr. Debnarayan Roy, Principal, Jhargram Raj College, presided over the meeting.
2. IQAC expresses its concern regarding increasing situation of pandemic Covid 19, as some of the faculty members of the college have been affected badly. IQAC wishes a quick recovery to all those who have been suffering from illness.
3. Dr. Rahul Kumar Datta mentioned that Department of Zoology will organize a 10 days summer school program from 14.06.2021 to 24.06.2021. Dr. Sourabh Mukhopadhyay also mentioned that department of Physics will also organize another program.
4. Dr. Debnarayan Roy mentioned that the medicinal garden has been introduced after the name of Ayurvedacharyya Sibkali Bhattacharyya on 24.04.2021.
5. IQAC suggests the naming of different class rooms and Laboratories of the different departments, especially, in science building after the name of laureates of the subject.
6. More than 25 webinars were arranged by different departments of the college.

Resolutions:

1. IQAC appreciates the formation of medicinal garden after the name of Ayurvedacharyya Sibkali Bhattacharyya.
2. Two Departments having DBT star scheme have given their consent to arrange summer school program.

Dr. Debnarayan Roy
Principal, Jhargram Raj College

IQAC MEETING MINUTES
ACADEMIC YEAR: 2021-2022



GOVERNMENT OF WEST BENGAL
OFFICE OF THE PRINCIPAL, JHARGRAM RAJ COLLEGE
JHARGRAM 721507, WEST BENGAL
PH. NO. +91 3221 255022; FAX +91 3221 258700 (Fax); E-Mail:
jhargramrajcollege@gmail.com

Memo No.: IQAC-03/2021

Date: 01/06/2021


NOTICE

An online meeting of the Internal Quality Assurance Cell (IQAC) of Jhargram Raj College will be held on 08/06/2021 (Tuesday) at 6:30 PM on the Google Meet platform to discuss the following agenda:

1. Future course of action of the college, with special reference to Summer school & webinar
2. Assessing the works undertaken by the college in the 2020-21 academic session
3. Matters arising.

The members of the IQAC, Jhargram Raj College are requested to kindly make it convenient to attend the said meeting.

Meeting Link: <https://meet.google.com/hio-sues-fiw>


Chairperson, IQAC and Principal
Jhargram Raj College, Jhargram

Copy to:-

1. Dr. Sourabh Mukhopadhyay, Assistant Professor of Physics & Assistant Coordinator
2. Smt. Sukti Chaudhuri, Associate Professor of Sanskrit
3. Dr. Rahul Kumar Datta, Associate Professor of Zoology
4. Smt. Sudipta Mullick, Associate Professor of Philosophy & TCS
5. Dr. Pradipta Ghosh, Assistant Professor of Chemistry
6. Shri Sandip Sarkar, Assistant Professor of Mathematics
7. Dr. Satyajit Ghorai, Assistant Professor of Commerce
8. Sri Shivendra Bijoy Malladeb, Social Worker and External Member
9. Dr. Sushil Burman, OIC, Jhargram Raj College (Girls' Wing) and External Member
10. Dr. Rajendra Prasad Dey, College Alumnus and External Member
11. Sri Ansuman Dutta, Local Business Personality and External Member
12. Convener, Website Sub-Committee

IQAC
JHARGRAM RAJ COLLEGE

**Minutes and Resolution of the IQAC meeting held on 08.06.2021
Online via Google meet, at 6.30 PM**

Members present

1. Dr. Debnarayan Roy, Principal & Chairperson
2. Dr. Sourabh Mukhopadhyay, Associate Professor of Physics & Assistant Coordinator
3. Smt. Sarmistha Mitra, Associate Professor of English, Internal member
4. Smt. Sukti Chaudhuri, Associate Professor of Sanskrit, Internal member
5. Dr. Rahul Kumar Datta, Associate Professor of Zoology, Internal member
6. Smt. Sudipta Mullick, Associate Professor of Philosophy & TCS, Internal member
7. Dr. Pradipta Ghosh, Assistant Professor of Chemistry, Internal member
8. Shri Sandip Sarkar, Assistant Professor of Mathematics, Internal member
9. Dr. Satyajit Ghorai, Assistant Professor of Commerce, Internal member
10. Shri. Sushil Kumar Burman, OIC, Jhargram Raj College (Girls' wing) and External member
11. Dr. Rajendra Prasad Dey, Alumna and External member

Minutes

1. Dr. Debnarayan Roy, Principal, Jhargram Raj College, presided over the meeting.
2. Dr. Rahul Kumar Datta, mentioned that an online summer school programme under DBT Star scheme will be organized by Department of Zoology. The duration is 10 days (from 14.6.21 to 24.6.21- excluding 15.06.2021), from 11 AM to 2 PM per day, i.e. an average of 3 hours per day and a total of 30 hours course.
3. Dr. Sourabh Mukhopadhyay also mentioned that the similar Programme will be organized by Department of Physics and tentative date is from 12.07.2021 to 19.07.2021, with a plan of 7 Lectures for duration of 2 hours per day.
4. IQAC requested Dr. Pradipta Ghosh to prepare the Academic Calendar for the year 2021-2022 in accordance to Vidyasagar University, after its notification from the concerned University.
5. Dr. Debnarayan Roy mentioned that the college is going to organise approximately 10 webinars for the coming three months, under DBT star scheme.
6. Shri Sushil Kumar Burman suggested organizing webinars from subjects of humanities and commerce also.

Resolution

1. The resolution taken in the last meeting was read by Assistant Coordinator & confirmed.
2. Department of Zoology & Physics will organize online summer school programme as per schedule.
3. More webinars will be organized by the college.

O/C No. 50

JHARGRAM RAJ COLLEGE

Date: 03.08.2021

A meeting of the IQAC will be held on **05.08.2021, Thursday**, at **07.00 P.M.** via the online platform. All members are cordially requested to attend the meeting.

Sri Brahma Chaudhuri, Convenor, UG Admission Sub-Committee and Sri Sayantan Roy, Convenor, Website Sub-Committee are also cordially requested to attend the aforesaid meeting.

Agenda:

Present situation of the IQAC activities.

The link for the meeting is: meet.google.com/utb-vkes-zfo

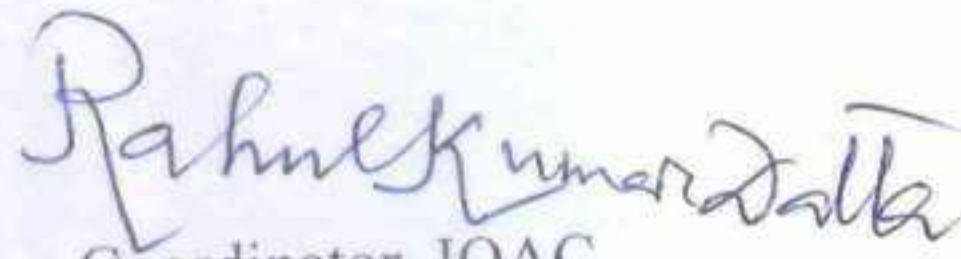
Date: 05.08.2021

Time: 07.00 PM

Countersigned


Principal & Chairperson, IQAC

Jhargram Raj College


Coordinator, IQAC

Jhargram Raj College

Copy to:

1. All members of IQAC
2. Convenor, UG Admission Sub-committee
3. Convenor, Website Sub-committee
4. Guard File

IQAC
JHARGRAM RAJ COLLEGE

Minutes and Resolution of the IQAC meeting held on 05/08/2021
Online via Google meet, at 7 PM

Members Present

1. Dr. Debnarayan Roy, Principal & Chairperson
2. Dr. Rahul Kumar Datta, Associate Professor of Zoology, Coordinator
3. Smt. Sudipta Mullick, Associate Professor of Philosophy & TCS, Internal member
4. Smt. Sukti Chaudhuri, Associate Professor of Sanskrit, Internal member
5. Dr. Sourabh Mukhopadhyay, Associate Professor of Physics, Internal member
6. Dr. Pradipta Ghosh, Assistant Professor of Chemistry, Internal member
7. Shri Sandip Sarkar, Assistant Professor of Mathematics, Internal member
8. Dr. Satyajit Ghorai, Assistant Professor of Commerce, Internal member
9. Dr. Sushil Burman, OIC, Jhargram Raj College (Girls' wing) and External member
10. Dr. Rajendra Prasad Dey, Alumna and External member
11. Shri Ansuman Dutta, Local Business Personality and external member
12. Shri Brahma Chaudhuri, Assistant Professor of Commerce, Convener, UG Admission Sub-committee, Jhargram Raj College
13. Shri Sayantan Roy, Assistant Professor of Mathematics, Convener, Website Sub-committee, Jhargram Raj College

Minutes & Resolutions

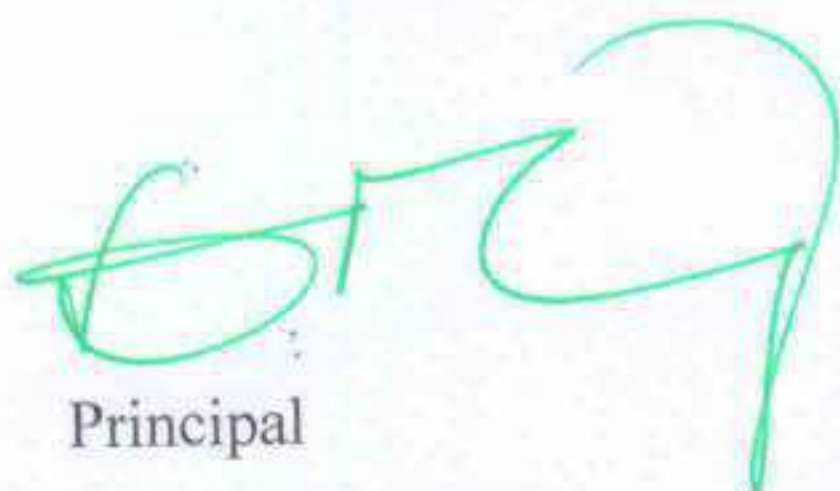
1. Dr. Debnarayan Roy, Principal & Chairperson, IQAC, Jhargram Raj College, presided over the meeting.
2. Before the commencement of the meeting, it was informed by Sri Susil Kumar Burman, Officer-in-Charge, Jhargram Raj College (Girls' Wing) that Dr. Subrata Mukhopadhyay, Eminent Academician of Jhargram District and External Member, IQAC of Jhargram Raj College has passed away at about 4:30 p.m. on that day (5th August, 2021) due to COVID-19 and related complications. All the members present in the meeting were shocked at the sudden demise of Dr. Mukhopadhyay and observed a minute's silence in memory of the departed soul.
3. Dr. Debnarayan Roy, Principal and Chairperson, IQAC of Jhargram Raj College congratulated Dr. Rahul Kumar Datta, Associate Professor and Head, Department of Zoology, Jhargram Raj College on assuming the charge of the Coordinator, IQAC of Jhargram Raj College and requested him to present his views, missions, strategies and action plans regarding the Internal Quality Assurance Cell of our college.
4. Dr. Rahul Kumar Datta, Coordinator, IQAC, Jhargram Raj College presented, through power point presentation, an elaborate discussion on the mission, vision, plans, programmes, strategies and action plans of the Internal Quality Assurance Cell of our college in a lucid manner. At the very outset, Dr. Datta highlighted the importance and role of IQAC in maintaining the Internal Quality and enhancing the Academic Excellence of an academic institution. Dr. Datta also highlighted the key functions and strategies that must be adopted for maintaining the Internal Quality and enhancing Academic Excellence in the context of our college. He also stressed on the fact that immediate focus would be given on NAAC related activities, CAS and other benefits of faculties, academic activities and placement facilities of students and other development initiatives from time to time.

5. Dr. Datta also highlighted the role and importance of NAAC, explained the salient features and procedure of accreditation and assessment of Higher Education Institutes by NAAC in brief. He stressed on the fact that NAAC accreditation and assessment process is now primarily data-based wherein 70% score will be based on data and supporting documents submitted by college (subject to Data Verification and Validation) and 30% will be based on Peer Team Visit. And as such, the primary task of IQAC would be focussed on uploading the pending AQARs for the last few years must be completed within the scheduled in NAAC portal such that Quantitative and Qualitative Matrices reflected through IIQA and SSR can be filled up accurately along with all supporting documents within the scheduled time. For this purpose, all the academic departments of both UG and PG courses, all Sub-Committees under Teachers Council, Library, Hostel, NSS and Office of the Principal must work hand-in-hand and extend every co-operation to IQAC for preparation and uploading of AQARs, IIQA and SSR within the scheduled time frame.
6. Dr. Rahul Kumar Datta, Coordinator, IQAC also recommended the following suggestions for overall development of our college:-

❖ Rain Water Harvesting	❖ Patent (Research Committee)
❖ MoU between Gas company and college	❖ Certificate Course at least for 30 hours
❖ Green Audit	❖ Outreach Programme
❖ Fully equipped Computer Room	❖ Students Counselling
❖ Examination Centre (MMCC)	❖ Alumni Activities
❖ Career Counselling	❖ Departmental Website updation
❖ Fully digitalized Library	❖ Teachers document e-content or e-learning development {Video, graphical , MCQ, lecture}
❖ Human Right Cell	❖ Digi Locker
❖ Intellectual Property Right cell	❖ E-Directory
❖ Awarding distinguished students	

7. It was stated by Dr. Roy, that even though COVID-19 pandemic and subsequent lockdown have severely affected the normal functioning of our college, still our college has achieved several milestones during this period. Our college has been conferred ZEE Bangla Education Excellence Award 2020 for promoting academic excellence in Jungle-mahal region during the year 2020. Our college is registered under DBT Star College Scheme and has successfully organised seminars, workshops, online webinars, value-added courses, Summer School etc. under DBT Star scheme during the past few years. Development initiatives like Mushroom Cultivation, Vermicompost, Rain-Water Harvesting, Kitchen Garden etc. have also been successfully implemented in our college from time to time. Moreover, the process of installation of Solar Panel in the Science Building of our college has already been initiated. It was also informed by our Hon'ble Principal that our college has been selected to Weather Forecasting Centre in the District of Jhargram and a visit has already been conducted by the concerned authority for this purpose. It was also suggested that initiatives like Faculty Exchange Programme with local colleges of Jhargram District, signing of a MoU with Indira Gandhi National Tribal University, Amarkantak etc. might be undertaken in near future for promoting academic excellence in Junglemahal region.

8. It was proposed by Dr. Debnarayan Roy, Principal, Jhargram Raj College that IQAC and NAAC Sub-Committee would be assisted by a Task Force comprising of Data Monitoring, AQAR Onsite, AQAR Technical and NAAC Steering Committees.
- A. Data Monitoring Committee chaired by Dr. Pradipta Ghosh, Assistant Professor, Department of Chemistry.
 - B. AQAR Onsite Committee – the team will help to collect the data
 - C. AQAR Technical Committee – the committee will help to scan & upload the data
 - D. NAAC Steering Committee – the team will monitor the SSR preparation and all other activity with existing NAAC committee.
9. It was informed by Sri Brahma Chaudhuri, Convenor, UG & PG Admission Sub-Committee that online application, online admission, online payment, E-Counselling and online uploading of student database for UG Registration has been in practice for the last few years. However, an online system for continuous monitoring of student database is required for exactly identifying the regular students and drop-out students and hence it was suggested that an online system co-ordinating all the concerned departments with Admission Sub-Committee, Examination Sub-Committees and Student Management Committee be implemented for efficient maintenance of Student Database in our college.
10. It was informed by Sri Sayantan Roy, Convenor, Website Sub-Committee that our college website is a dynamic website that can be modified as per the needs and requirements of the concerned departments and IQAC from time to time. The College website also offers hosting facilities for IQAC portal, NSS portal and DBT portal. However, it was suggested by Sri Roy that all the concerned departments, T.C. appointed Sub-Committees etc. must utilise the features offered by Google Sites and share the links of the Google Sites developed by them in college website for better performance of college website.
11. It was intimated by Dr. Sourabh Mukhopadhyay, Associate Professor, Department of Physics, that the last date for submission of AQARs for the year 2018-19 and 2019-20 is 31st August, 2021 and that for the year 2020-21 is 31st December, 2021. It was also informed that only about 10000 books have been ready for digital library cataloguing purpose and a large portion of digitalization of library books are yet to be completed. It was also pointed out by Dr. Mukhopadhyay that Internal Compliant Committee (ICC) has been duly constituted but is yet to be made functional. Similarly, Reading Room facilities for both teachers and students in the college library are also yet to be made functional. Hence, IQAC must also take initiatives in resolving all these issues at the earliest.
12. The meeting ended with Vote of Thanks to the Chair.



Principal

Jhargram Raj College



GOVERNMENT OF WEST BENGAL
OFFICE OF THE PRINCIPAL, JHARGRAM RAJ COLLEGE
JHARGRAM 721507, WEST BENGAL

PH. NO. +91 3221 255022; FAX +91 3221 258700 (Fax); E-Mail:
jhargramrajcollege@gmail.com

Memo No.: IQAC-04/2021

Date: 12/08/2021

A meeting of the IQAC will be held on 19.08.2021, Thursday, at 06.30 P.M. through online platform. All the internal members are cordially requested to attend the meeting.

Agenda:

Plan of work of the IQAC activities.

The link for the meeting is: meet.google.com/emh-jeob-wwb

Countersigned

Principal & Chairperson, IQAC
Jhargram Raj College

Coordinator, IQAC
Jhargram Raj College

Copy to:-

1. All the internal members of IQAC
2. Campus Website Sub-committee

IQAC
JHARGRAM RAJ COLLEGE

**Minutes and Resolution of the IQAC meeting held on 19.08.2021
Online via Google meet, at 6.30 PM**

Members present

1. Dr. Debnarayan Roy, Principal & Chairperson, IQAC
2. Dr. Rahul Kumar Datta, Associate Professor & Coordinator, IQAC
3. Smt. Sarmistha Mitra, Associate Professor
4. Dr. Sourabh Mukhopadhyay, Associate Professor
5. Dr. Sukti Chaudhuri, Associate Professor
6. Smt. Sudipta Mullick, Associate Professor & TCS
7. Dr. Pradipta Ghosh, Assistant Professor
8. Shri Sandip Sarkar, Assistant Professor
9. Dr. Satyajit Ghorai, Assistant Professor

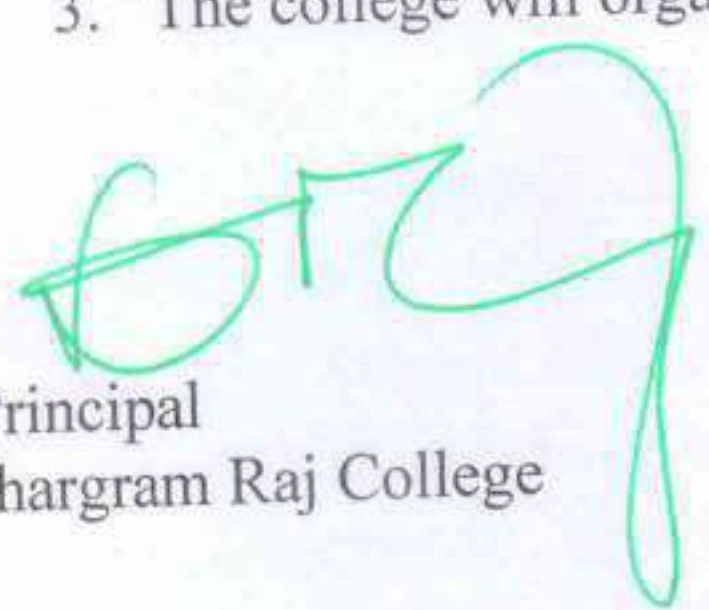
Minutes

1. Dr. Debnarayan Roy presided over the meeting. He mentioned about the transfer of Smt. Sarmistha Mitra, Associate Professor of English and our senior internal member, to Kanyashree College, Behala. All the members expressed her best wishes in the new area of work.
2. The minutes & resolutions were read out by Dr. Rahul Kumar Datta, Coordinator, IQAC and was confirmed by all the members.
3. The Coordinator, IQAC presented a tentative line of action for the preparation of the AQAR for the years 2018-2019, 2019-2020 and 2020-2021, and the preparation of SSR.
4. It has been decided that preparation of the AQAR for the years 2018-2019, 2019-2020 and 2020-2021 has to be taken up on a priority basis and upload them.
5. Dr. Satyajit Ghorai enquired about the process of data collection for upcoming AQAR. It was discussed that data (of different categories) has to be collected from the departments, college office, library, etc. with the help of faculty members.
6. For the students' satisfaction survey (SSS), the students admitted during the academic session 2018-2019 (now outgoing) will be asked to go into the survey. Dr. Sourav Mukhopadhyay and Dr. Pradipta Ghosh suggested the methods to incorporate this data; further discussion on this issue will be done in future.
7. Smt. Sudipta Mullick asked about the status of library automation. An online call was made to Shri Rabin Manna, Librarian, Jhargram Raj College and after the telephonic discussion, it was discussed that the Library sub-committee (of the TC) would be asked to look into the process of library automation with immediate effect.
8. Dr. Sourabh Mukhopadhyay enquired about the issue of non-functional internet across the college campus and it was decided that the issue has to be sorted out immediately.

9. Smt. Sukti Chaudhuri enquired about the code of conduct book, and it was decided that, Shri Ram Chandra Pramanik, Associate Professor & Head of the Department of Political Science, Jhargram Raj College, will be asked to complete the same as soon as possible.
10. The IQAC expressed its concern regarding pending arrear due for the teachers. Principal assured that the matter will be taken carefully and as soon as possible, if positive balance would be there. An online call was made to Dr. Prasanta Patra, the Convener, Teachers benefit subcommittee and he was informed to look into the matter seriously and immediately. A notice will be issued from the college in this regard.
11. Shri Sandip Sarkar suggested to organize a webinar on CAS for the teachers with special reference to UGC guidelines 2018 and after a telephonic conversation with Shri. Tushar Kanti Ghara, JDPI with the Principal, Jhargram Raj College, it was decided that tentatively an webinar on this issue will be organized in the second week of September. After confirmation of the date with Shri Ghara, the notice will be issued, he added.
12. The coordinator also mentioned that, Shri Souvick Biswas, the Secretary, NSS cell has shown the interest in vaccination camp for the student and also a webinar related to the role of vaccination in preventing covid. IQAC appreciated this activity of NSS and has given its consent to organize the webinar too.

Resolutions

1. Priority is given to Preparation and uploading of AQAR for the academic year 2018-19, 2019-20 and 2020-21.
2. The college will take the matter of pending arrear and CAS related issue seriously.
3. The college will organize some more webinars.


Principal
Jhargram Raj College



**GOVERNMENT OF WEST BENGAL
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JHARGRAM 721507, WEST BENGAL**

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Memo No.: IQAC-05/2021

Date: 21/10/2021

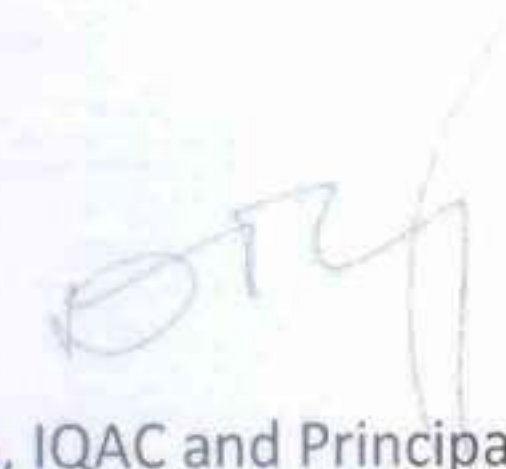
NOTICE

An online meeting of the Internal Quality Assurance Cell (IQAC) of Jhargram Raj College will be held on 28/10/2021 (Thursday) at 7:00 PM on the Google Meet platform to discuss the following agendum:

Discussion on composition of IQAC w.e.f. 10.11.2021

The members of the IQAC, Jhargram Raj College are requested to kindly make it convenient to attend the said meeting.

Meeting Link: <https://meet.google.com/puo-bcuq-eou>


Chairperson, IQAC and Principal
Jhargram Raj College, Jhargram

Copy to:-

1. Dr. Rahul Kumar Datta, Associate Professor of Zoology
2. Smt. Sukti Chaudhuri, Associate Professor of Sanskrit
3. Smt. Sudipta Mullick, Associate Professor of Philosophy & TCS
4. Dr. Sourabh Mukhopadhyay, Associate Professor of Physics
5. Dr. Pradipta Ghosh, Assistant Professor of Chemistry
6. Shri Sandip Sarkar, Assistant Professor of Mathematics
7. Dr. Satyajit Ghorai, Assistant Professor of Commerce
8. Sri Shivendra Bijoy Malladeb, Social Worker and External Member
9. Dr. Sushil Burman, OIC, Jhargram Raj College (Girls' Wing) and External Member
10. Dr. Rajendra Prasad Dey, College Alumnus and External Member
11. Sri Ansuman Dutta, Local Business Personality and External Member
12. Convener, Website Sub-Committee

IQAC
JHARGRAM RAJ COLLEGE
Minutes & Resolution of the IQAC meeting held on 28.10.2021
Online via Google meet, at 7 P.M.

Members Present

1. Dr. Debnarayan Roy, Principal & Chairperson
2. Dr. Rahul Kumar Datta, Associate Professor of Zoology, Coordinator
3. Smt. Sudipta Mullick, Associate Professor of Philosophy & TCS, Internal member
4. Smt. Sukti Chaudhuri, Associate Professor of Sanskrit, Internal member
5. Dr. Sourabh Mukhopadhyay, Associate Professor of Physics, Internal member
6. Dr. Pradipta Ghosh, Assistant Professor of Chemistry, Internal member
7. Shri Sandip Sarkar, Assistant Professor of Mathematics, Internal member
8. Dr. Satyajit Ghorai, Assistant Professor of Commerce, Internal member
9. Dr. Sushil Burman, OIC, Jhargram Raj College (Girls' wing) and External member
10. Dr. Rajendra Prasad Dey, Alumna and External member
11. Shri Ansuman Dutta, Local Business Personality and External member

Minutes

1. As the validity of present IQAC is upto 10.11.2021, the coordinator proposed an initial discussion on composition of the IQAC members.
2. Dr. Satyajit Ghorai suggested that Shri Brahma Chaudhuri, Assistant Professor of Commerce, may be included as one of the internal member and the proposal were supported by Smt. Sukti Chaudhuri, Dr. Sourav Mukhopadhyay and Smt. Sudipta Mullick.
3. Dr. Debnarayan Roy proposed the name of Dr. Prasanta Patra, Assistant Professor of Chemistry and Dr. Rahul Kumar Datta, Dr. Pradipta Ghosh and Shri Sandip Sarkar supported the name.
4. Shri Sushil Kr. Burman, Officer-in-Charge, Jhargram Raj College (Girls' wing), Dr. Rajendra Prasad De, college Alumnus and Shri Ansuman Dutta, Local business personality gave consent to keep their name as external members.
5. Smt. Srimani Saren, UDC, Jhargram Raj College will be the representative of office staff, as the Shri Partha Pratim Ghatak, Head Clerk retired in the meantime.
6. Shri Sourav Karan, 3rd Semester PG Student, Dept. of Zoology will be the student representative.
7. The existing internal members are :-
 - ❖ Smt. Sukti Chaudhuri, Associate Professor of Sanskrit
 - ❖ Smt. Sudipta Mullick, Associate Professor of Philosophy & TCS
 - ❖ Dr. Sourabh Mukhopadhyay, Associate Professor of Physics
 - ❖ Dr. Pradipta Ghosh, Assistant Professor of Chemistry
 - ❖ Sri Sandip Sarkar, Assistant Professor of Mathematics
 - ❖ Dr. Satyajit Ghorai, Assistant Professor of Commerce

Resolved that

The IQAC, is being formed with effect from 10.11.2021 will start action and the complete composition will be published and to be uploaded in the college website.

Principal
Jhargram Raj College



GOVERNMENT OF WEST BENGAL

OFFICE OF THE PRINCIPAL, JHARGRAM RAJ COLLEGE

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Memo No.: IQAC-06/2021

Date: 10/11/2021

An emergency meeting of the IQAC will be held on **11.11.2021, Wednesday**, at **10.00 A.M.** through online platform. All members are requested to attend the meeting. Meeting link: meet.google.com/phd-gpey-zhu

Agenda:

Opening of the college as per Government circular and Sensitization programme

Countersigned

Principal & Chairperson, IQAC
Jhargram Raj College

Coordinator, IQAC
Jhargram Raj College

Copy to:

1. All the internal members of IQAC
2. Guard File

IQAC
JHARGRAM RAJ COLLEGE

**Minutes & Resolution of the Meeting held on 11.11.2021
Online via Google meet, at 10 AM**

Members Present

1. Dr. Debnarayan Roy, Principal & Chairperson
2. Dr. Rahul Kumar Datta, Associate Professor of Zoology, Coordinator
3. Smt. Sudipta Mullick, Associate Professor of Philosophy & TCS, Internal member
4. Smt. Sukti Chaudhuri, Associate Professor of Sanskrit, Internal member
5. Dr. Sourabh Mukhopadhyay, Associate Professor of Physics, Internal member
6. Dr. Pradipta Ghosh, Assistant Professor of Chemistry, Internal member
7. Shri Sandip Sarkar, Assistant Professor of Mathematics, Internal member
8. Dr. Prasanta Patra, Assistant Professor of Chemistry, Internal member
9. Dr. Satyajit Ghorai, Assistant Professor of Commerce, Internal member
10. Shri Brahma Chaudhuri, Assistant Professor of Commerce, Internal member

Minutes & Resolution

1. As per Memo No. 1058-Edn (CS)/10M-32/2021 dated 28.10.21 of the Principal Secretary, Department of Higher Education, Govt. of West Bengal the, offline classes at UG/PG level in our Institution will commence on and from 16.11.2021. However, a sensitization Programme with all the students must be done during this period -for not only make them conscious about the situation but also make them accustomed with blended mode of teaching- both online and offline.
2. IQAC invited Dr. Nivedita Bhattacharyya, HOD, Physiology, Jhargram Raj College to carry on this programme along with other faculty members of the college. Dr. Bhattacharyya gave her consent and a sensitization programme will be held on 12.11.2021 with teachers and students.
3. IQAC is hopeful that the students will be aware of wearing mask, using sanitizers, keeping social distances and also follow other Covid protocol, from this programme.
4. IQAC suggests a thorough sanitization programme for the whole campus before 16.11.2022.
5. The class routine of the students must be done in such a manner that all the students of one semester must come for a particular day and another semester in another day, like wise (Monday & Thursday for UG Sem III, Tuesday and Friday for UG Sem V and Wednesday and Saturday for Classes like Practical and Tutorial.). Since the number of students of Semester I will be more and they will join the college for the first time, the classes of them will be arranged as per University notification. The PG classes may be arranged alternately accordingly. The issue may be discussed in TC in accordance with the VU notifications, which is expected to be circulated very soon.
6. IQAC also suggests that upcoming PG admission verification process must be done online.

Principal
Jhargram Raj College



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Memo No. IQAC-07/2021

Date: 16.11.2021

A meeting of the IQAC will be held on **25.11.2021, Thursday**, at **03.00 P.M.** at the chamber of the Principal. All the members are cordially requested to attend the meeting.

Agenda:

1. AQAR preparation (2018-19, 2019-20)
2. Discussion on NAAC & CAS
3. Matter arising

Countersigned

Principal

Jhargram Raj College

Convener, IQAC

Copy to:

1. All the members of IQAC
2. Guard File
3. Convener, Website Subcommittee

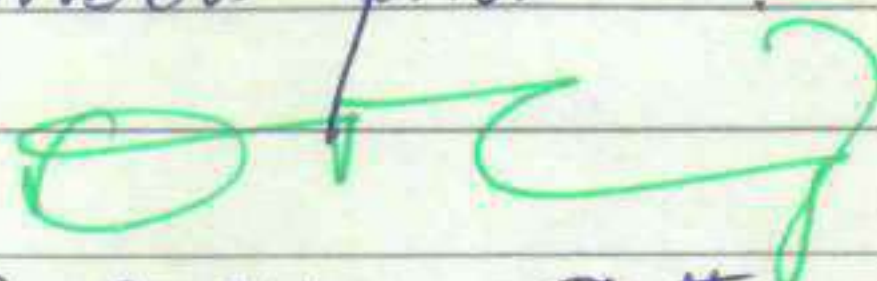
IQAC

Date: 25.11.2021

Ihargram Raj College

Minutes & Resolution of the meeting held on 25.11.2021
Venue - Principal's chamber, at 3 PM

Members present:

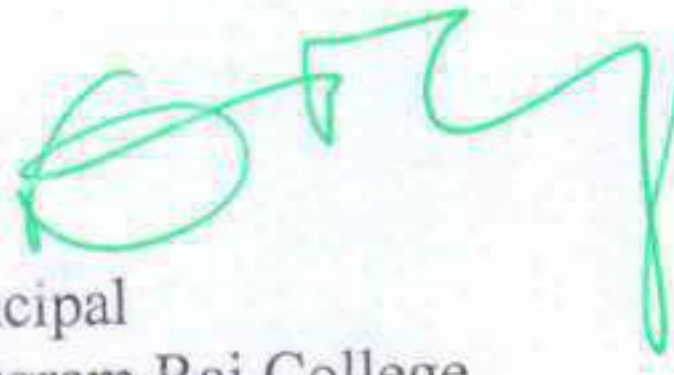
1. 
2. Rahul Kumar Datta 25/11/2021
3. Sourabh Kumar Pradhan 25/11/21
4. Satyajit Ghosh 25/11/21
5. Sudipta Mullick 25/11/21
6. Pradipta Ghosh 25/11/2021
7. Sanjay Kumar (or) 25/11/2021
8. Prasanta Kumar 25/11/2021
9. Brahma Chandhuri 25/11/2021
10. Yukti Chandhuri 25.11.21.

Minutes of the Meeting held on 25.11.2021

1. This is the first offline meeting of IQAC after reopening of college during covid pandemic.
2. The IQAC expresses its concern about the physical and mental health of every student, teaching faculties and non-teaching staffs.
3. Dr. Debnarayan Roy, Principal, Jhargram Raj College expressed his thanks for conducting sensitization programme successfully, before opening of the college. He also expressed his gratitude for all the concerned related to campus cleaning & sanitization of the college.
4. IQAC opines that the process of sensitization for the students must be continued and practiced, as and when required, by all the teaching faculties of the college, Department wise. The restricted arrangement of offline campus classes to avoid overcrowding and use of sanitizers, frequent hand washing and wearing of mask should be ensured regarding health issue and should be monitored properly. Smt. Sukti Chaudhuri, Smt. Sudipta Mullick and Dr. Satyajit Ghorai gave stress on continuation of blended mode, until and unless, the situation improves.
5. Dr. Roy proposed IQAC to organize a seminar on NAAC, which is well accepted by the members. He also mentioned that Prof. Dipak Ranjan Mandal, Former DPI, Govt. of West Bengal & Ex-VC, Sidho Kanho Birsa University, Purulia, has given his consent to deliver a lecture on "NAAC: Why & How". After a telephonic conversation with Prof. Mandal, the date has been fixed on 7th December, 2021. A formal notice will be issued in this regard, from the office of the Principal.
6. Dr. Rahul Kumar Datta, IQAC coordinator gave stress on prepare and uploading of pending AQAR form 2018-19, 2019-20 & also 2020-21. Dr. Pradipta Ghosh has mentioned that the data must be available for further processing within 15 days so that the process of uploading could be done in time.
7. Dr. Sourabh Mukhopadhyay mentioned that the papers and relevant documents regarding CAS for four teachers (two from stage 1 to 2 and two from stage 3 to 4) is ready. After receiving a date from experts and DPI nominee, the screening/selection process would be possible, he added.
8. Shri Sandip Sarkar & Dr. Prasanta Patra mentioned that the cases of the pending CAS must be considered carefully. All the members agreed that a separate CAS committee may be formed for this purpose.

Resolved that

1. IQAC is going to organize a seminar on NAAC. 7th December, 2021. The resource person is Prof. Dipak Ranjan Mandal, Former DPI, & Ex-VC, Sidho Kanho Birsa University.
2. The process of sensitization especially for the students and blended mode of teaching must be continued and practiced.
3. The process of promotion under CAS of 4 teachers of the college is almost ready and the dates for screening/selection will be fixed after conversation with concerned persons.


Principal
Jhargram Raj College



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Memo No.: IQAC-08/2021

Date: 01.12.2021

A meeting of the IQAC will be held on 08.12.2021, Wednesday, at 3.00 P.M. All members are cordially requested to attend the meeting.

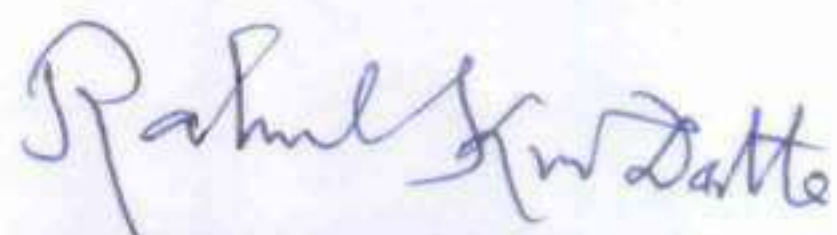
Agenda:

1. Confirmation of the minutes & resolution of the previous meeting
2. Strategy & procedure for AQAR preparation & upload (2018-19, 2019-20, 2020-21)
3. Research cell formation
4. Matter arising

Countersigned


Principal & Chairperson, IQAC

Jhargram Raj College


Coordinator, IQAC

Jhargram Raj College

IQAC

08/12/2021

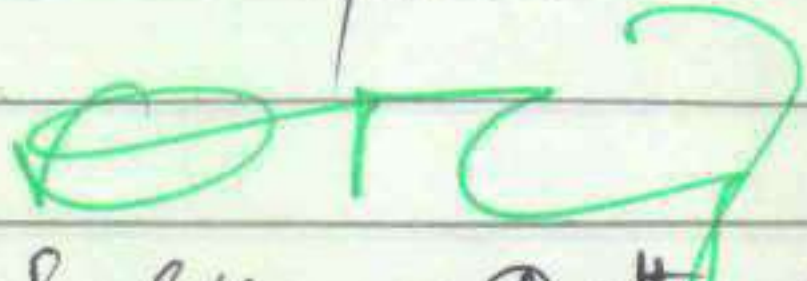
Jhargram Raj College

Minutes & Resolution of meeting held on 08.12.2021

Time : 3 PM Venue - Principal's chamber

Members present

1.



2. Rahul Kumar Datta 8/12/2021

3. Sourebi Datta Pradhan 8/12/21

4. Satyajeet Ghosh 08/12/21

5. Sudipta Mukherjee 8/12/2021

6. Pradipta Ghosh 08/12/2021

7. Saip Gurjar 08/12/2021

8. Prasanta Kumar 8/12/2021

9. Brahma Chandhuri 8/12/2021

10. Yukti Chandhuri 8.12.21.


IQAC
JHARGRAM RAJ COLLEGE
Minutes & Resolution of the Meeting held on 08.12.2021
Venue – Principal's chamber, at 3.00 PM.

Minutes

1. The minutes & resolutions of the previous meeting were read out by Coordinator IQAC and were confirmed by all the members.
2. The coordinator, IQAC presented the current situation for the preparation of the AQAR for the years 2018-2019, 2019-2020. Some of the data have been received and processed and some data are yet to receive for processing.
3. All the internal members have been given the responsibilities of data processing regarding AQAR as the following schedule:
Part A & some part of criteria VI – Dr. Rahul Kumar Datta & Dr. Pradipta Ghosh
Criteria I, III – Dr. Sourabh Mukhopadhyay
Criteria II, IV – Dr. Satyajit Ghorai & Shri Bramha Chaudhuri
Criteria V, VI – Shri Sandip Sarkar & Dr. Prasanta Patra
Criteria VII – Smt. Sukti Chaudhuri & Smt. Sudipta Mullick
4. Principal proposed the opening of Research Cell for the college, and Dr. Prasanta Patra is requested to look upon the matter in this regard followed by proper notifications.
5. Dr. Rahul Kumar Datta mentioned that, a proposal has been received by the college form Chilkigarh Kanakdurga biodiversity Heritage site. The department of Botany and Zoology may look after the matter, as far as practicable.

Resolutions

1. Uploading of AQAR for the years 2018-19, 2019-20 will be done within 28.12.2021. The assignments have been given to members in this regard. The AQAR may be presented in TC.
2. Notice for the Research Cell will be done very soon.


Principal
Jhargram Raj College

O/C No. 01

JHARGRAM RAJ COLLEGE

Date: 03.01.2022.

A meeting of the IQAC will be held on 04.01.2022, Tuesday, at 06.00 P.M. through online platform. All members are cordially requested to attend the meeting.

Agenda:

- 1) Plan of work of the IQAC regarding AQAR (2020-2021) preparation & uploading
- 2) Proposal & Plan of action of IQAC regarding other activities
- 3) Matter arising

The link for the meeting is: meet.google.com/rvc-geuw-mqc

Countersigned



Principal & Chairperson, IQAC
Jhargram Raj College



Coordinator, IQAC
Jhargram Raj College

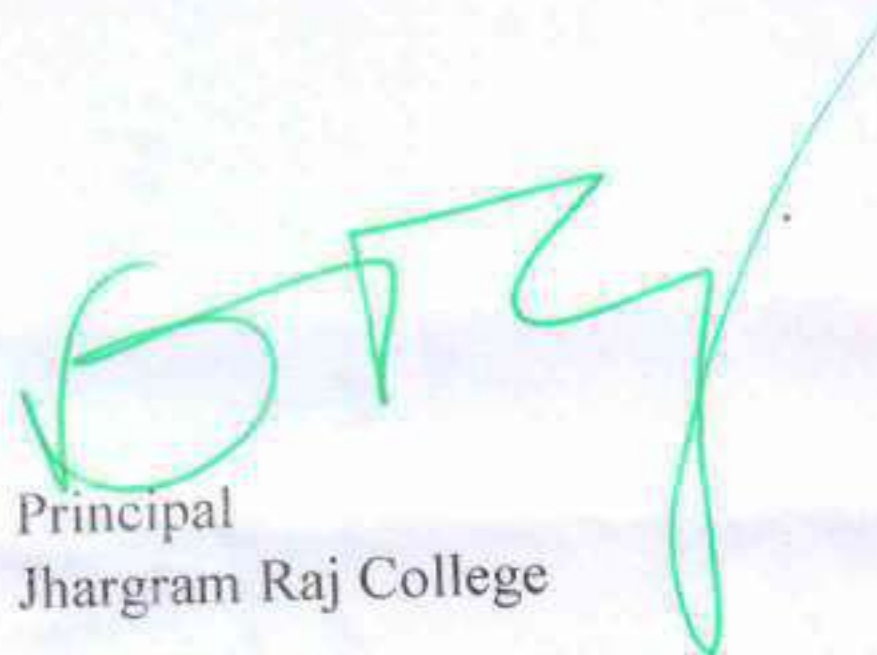
IQAC
JHARGRAM RAJ COLLEGE
Minutes and resolution of IQAC meeting held on 04.01.2022
Online via Google meet, at 6 P.M.

Members present

1. Dr. Debnarayan Roy, Principal & Chairperson
2. Dr. Rahul Kumar Datta, Associate Professor of Zoology, Coordinator
3. Smt. Sudipta Mullick, Associate Professor of Philosophy & TCS, Internal member
4. Smt. Sukti Chaudhuri, Associate Professor of Sanskrit, Internal member
5. Dr. Sourabh Mukhopadhyay, Associate Professor of Physics, Internal member
6. Dr. Pradipta Ghosh, Assistant Professor of Chemistry, Internal member
7. Shri Sandip Sarkar, Assistant Professor of Mathematics,
8. Dr. Prasanta Patra, Assistant Professor of Chemistry, Internal member
9. Dr. Satyajit Ghorai, Assistant Professor of Commerce, Internal member
10. Shri Brahma Chaudhuri, , Assistant Professor of Commerce, Internal member
11. Dr. Sushil Burman, OIC, Jhargram Raj College (Girls' wing) and External member
12. Dr. Rajendra Prasad Dey, Alumna and External member
13. Shri Ansuman Dutta, Local Business Personality and External member

Minutes & Resolution

1. Dr. Debnarayan Roy, Principal & Chairperson presided over the meeting and mentioned that as, per Order No. 753/XVII-ISS/2M-22/2020 dated 02.01.22 of Govt. of West Bengal, all the academic activities in the colleges shall remain closed upto 15.01.2022. In this context, the online meeting is being held.
2. He also expressed his thanks to all the members for the Screening/Selection procedure of four (4) teachers for the promotion under CAS which was held on 16.12.2021.
3. Dr. Rahul Kumar Datta, coordinator expressed his gratitude to all the members for uploading the AQAR 2018-2019 and 2019-2020. He also explained the points to be covered in AQAR for 2020-2021, which have some differences with the AQARs of earlier academic years.
4. All the members are requested to contact the respective task force members for collection of data and processing, which should be done immediately, so that the uploading could be done as soon as possible.
5. The plan of action of IQAC can be done by regularisation of CAS for the teachers, requesting the office for clearing the pending arrear of the teachers, introduction of value added courses with at least 30 hours duration, more seminar on ethics and human right, infrastructural development like digital library & wi-fi campus and more stress on green initiatives in the campus.
6. IQAC invited Smt. Priyanka Mukhopadhyay Basu, Head, Department of English to take initiative to arrange series of interdisciplinary Lectures and Smt. Mukhopadhyay Basu gave her consent willingly and mentioned that she will take the initiatives
7. Shri Brahma Chaudhuri mentioned that AISHE 2020-21 uploading is till awaiting, which should be done immediately.
8. IQAC expresses its concern regarding increasing situation of pandemic Covid 19.


Principal
Jhargram Raj College

JHARGRAM RAJ COLLEGE

O/C No 11

Date 02.02.2022

A meeting of the IQAC will be held on 09.02.2022, Wednesday, at 03.00 P.M. All members are requested to attend the meeting.

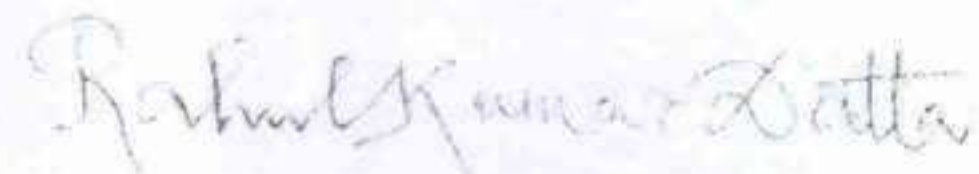
Agenda:

1. Preparation of AQAR & NAAC
2. Plan of work of the IQAC activities
3. Matter arising

Countersigned



Principal & Chairperson, IQAC
Jhargram Raj College




Coordinator, IQAC
Jhargram Raj College

Copy to:

1. All Members of IQAC
2. Guard File
3. Convener, Website Sub Committee

Members present in IQAC Meeting held on 09/02/2022
at the Principal's Chamber, Thargram Raj College

- 1)  09/02/2022
- 2) Rahul Kumar Datta 9/2/2022
- 3) Sandip Sengupta 9/02/2022
- 4) Pradipta Ghosh 09/02/2022
- 5) Brahma Chandhuri 09/02/2022
- 6) Inkti Chandhuri 09.02.22
- 7) Satyajit Ghosh - 09/02/2022
- 8) Sowick Datta Bhattacharya 9/2/22
- 9)

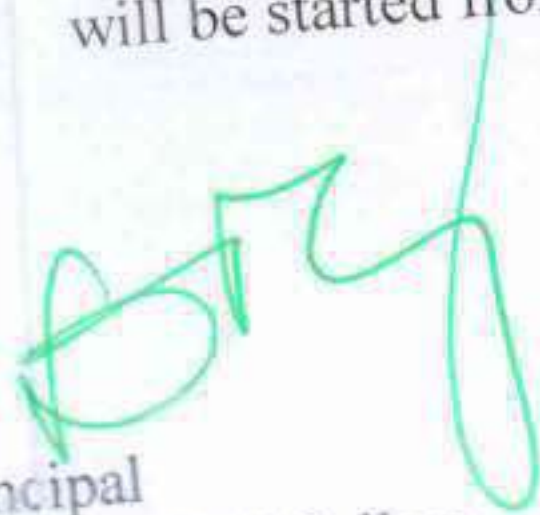
IQAC
JHARGRAM RAJ COLLEGE
Minutes & Resolution of the Meeting held on 09.02.2022
Venue – Principal's chamber, at 3.00 PM.

Minutes & Resolution

1. Dr. Debnarayan Roy, Principal, presided over the meeting and he welcomed all the members after restoration of the normal activity of the college.
2. The Coordinator IQAC mentioned that the pending CAS of many of the faculties of the college and a notice for incumbents has been circulated. A CAS committee under IQAC is proposed for assisting IQAC in this regard. The proposed names of the members are:

Smt. Sukti Chaudhuri
Smt. Sudipta Mullick
Dr. Sourabh Mukhopadhyay
Dr. Dilip Rout
Shri Sandip Sarkar
Dr. Prasanta Patra
Dr. Satyajit Ghorai

3. Shri Sandip Sarkar stated that due to closure of the college due to Pandemic, the progress of AQAR preparation for 2020-21 was hampered. However, the preparation must be done quickly. As decided earlier, the details would be addressed in the upcoming TC meeting, to be held on 17.02.2022. All the departments will be asked to submit the data to IQAC by latest 30th April, 2022.
4. Shri Brahma Chaudhuri mentioned that AISHE data will be uploaded within a short period of time.
5. Regarding infrastructural aspect, IQAC is concerned about the current situation, as stated by different members. Dr. Sourav Mukhopadhyay and Dr. Pradipta Ghosh mentioned that many instruments are not in working condition any more. Smt. Sudipta Mullick and Dr. Satyajit Ghorai mentioned that, some of the books have been found damaged due to poor maintenance during pandemic.
6. Coordinator mentioned Dr. Priyanka Mukhopadhyay Basu, Head, department of English confirmed him regarding commencement of Lecture series 'Epistem', which will be started from March, 2022.


Principal
Jhargram Raj College

O/C No. 43

JHARGRAM RAJ COLLEGE

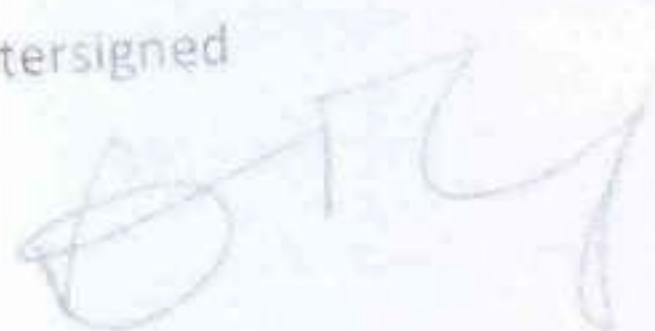
Date: 12.04.22

A meeting of the IQAC will be held on 20.04.2022, Wednesday, at 03.30 P.M. at the chamber of the Principal. All the members are requested to attend the meeting.

Agenda:

- 1) AQAR (2020-2021, 2021-2022) preparation & uploading
- 2) Review & discussion on plan of action of IQAC regarding its activities including CAS of the teachers of Jhargram Raj College
- 3) Matter arising

Countersigned



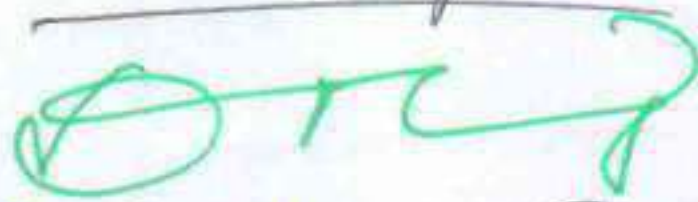
Principal & Chairperson, IQAC
Jhargram Raj College



Coordinator, IQAC
Jhargram Raj College

IQAC Meeting held on 20/04/2022 at 3:30 p.m.

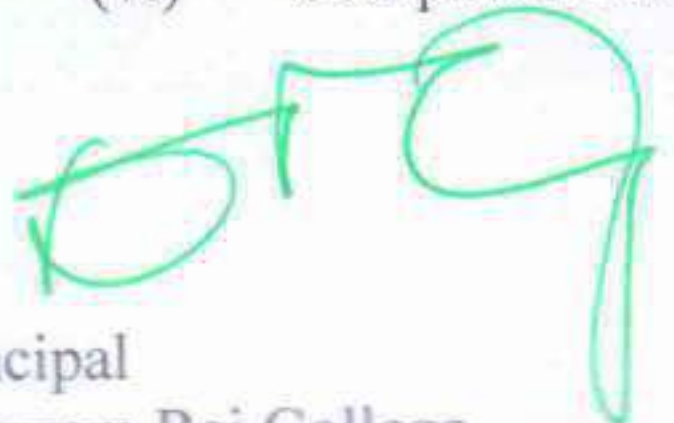
Members present:-

- 1)  20/04/2022.
- 2) Rahul Kumar Datta 20.4.2022
- 3) Sudipta Mallick 20.4.22
- 4) Gulati Chandhuri 20.4.22.
- 5) Pansantala 20/4/22
- 6) Pradipta Ghosh 20/04/22
- 7) Brahma Chandhuri 20/04/2022
- 8) Sourabh Mukhopadhyay 20/4/22
- 9) Sandip Sarkar 20/04/2022
- 10) Satyjit Ghosh - 20/04/2022

IQAC
JHARGRAM RAJ COLLEGE
Minutes & Resolution of the Meeting held on 20.04.2022
Venue – Principal's chamber, at 3.30 PM.

Minutes & Resolution

1. Dr. Debnarayan Roy, Principal, presided over the meeting.
2. It has been informed by Dr. Rahul Kumar Datta, Coordinator, IQAC, that the student satisfaction survey for 2021-2022 have been initiated and it has been found that a good number of students have expressed their satisfaction regarding the regularity and quality of online classes, despite the accessibility to computer. However, the effectiveness of online class is still not accepted by some of the students, rather they feel the importance of in campus classes. More detailed analysis is still required, and he requested the members to do the needful
3. The Coordinator IQAC also requested Shri Sandip Sarkar to brief all the members about the status of AQAR 2020-2021. Shri Sarkar informed all about the status of AQAR preparation, criteria-wise, in detail and assured that necessary view files for each criterion along with supporting documents will be collected and compiled by the member of NAAC Task Force latest by 30th April, 2021.
4. NAAC had some queries regarding uploaded AQAR 2019-2020 and they were answered properly.
5. Reviews of 1st draft of AQAR 2020-2021 will be done by the internal members of IQAC within the 1st week of May, 2022.
6. Dr. Prasanta Patra informed that a few meetings have been done by CAS committee for the benefit of 10 teachers for the promotion through CAS scheme. The incumbents have submitted their applications with documents which are being verified. The letters for the subject experts and DPI nominee are ready to dispatch.
7. The following activities and measures were also undertaken by IQAC for the year 2021-2022:
 - (i) Full sanitization of the campus
 - (ii) Renaming of Laboratories of some of the Science Departments
 - (iii) Plantation of new saplings
 - (iv) Webinar on Digital Education via MOOCs and Students' Scholarship, AIDS awareness and many more issues
 - (v) Conducting two summer schools
 - (vi) Completion of CAS


Principal
Jhargram Raj College

IQAC MEETING MINUTES
ACADEMIC YEAR: 2022-2023

O/C No. 50A

JHARGRAM RAJ COLLEGE

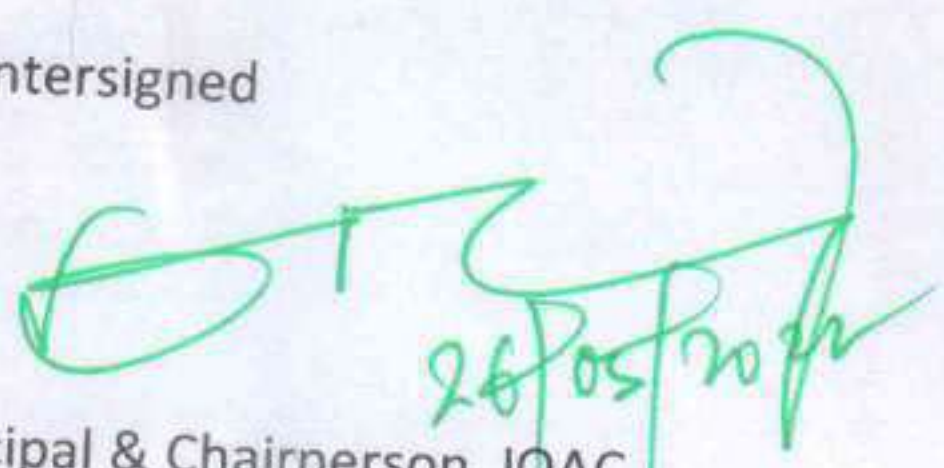
Date: 26.05.2022

A meeting of the IQAC will be held on 09.06.2022, at 02.00 P.M. All internal members are cordially requested to attend the meeting.

Agenda:


- 1) Plan of work of the IQAC 2022-23
- 2) Matter arising

Countersigned


Principal & Chairperson, IQAC

Jhargram Raj College

Principal
Jhargram Raj College


Coordinator, IQAC

Jhargram Raj College

Coordinator
Internal Quality Assurance Cell
Jhargram Raj College
Jhargram, West Bengal

Copy to-

1. All internal members
2. Convener, website committee

IQAC

Thargram Raj College

Minutes & Resolution of the meeting held on
09.06.2022 at 2 PM; Venue - Principal's chamber

Members present:

1.  9/06/22
2. Rahul Kumar Datta 9.6.2022
3. Sukti Chandhuri 9.6.22.
4. Suddipta Mukherjee 09.06.22
5. Satyjit Ghosh - 09/06/22
6. Prashant Chak
7. Sourabh Kumar Dey 9/6/22
8. Pradipta Ghosh 09/06/22
9.  09/06/2022
10. Brahma Chandhuri 09/06/2022
11. Suddipta Mukherjee 9.6.22

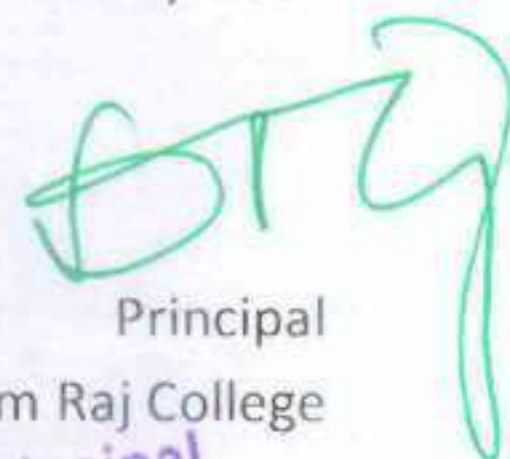
IQAC
JHARGRAM RAJ COLLEGE
Minutes and Resolution of the Meeting held on 09/06/2022
Venue – Principal's Chamber, at 3.30 PM.

Minutes and Resolutions:

1. The meeting was presided over by Dr. Debnarayan Roy, Principal, Jhargram Raj College.
2. The meeting initiated with the confirmation of the minutes of the last IQAC meeting (held on 20.04.2022).
3. Dr. Satyajit Ghorai, IQAC Member, brought onto fore the need for initiating Value-Added Courses (VACs) and Certificate Courses (CCs) at Jhargram Raj College. After a detailed deliberation on the issue, some major decisions were taken.
 - (a) It was decided that the VACs and/or CCs would be initiated from the academic session of 2022-2023.
 - (b) Detailed proposals would be sought from the faculty members of the college, containing the course curriculum, detailed schedule of the classes, total contact hours needed for the course, faculty engagement, and other modalities associated with the course.
 - (c) It was unanimously agreed upon that the VACs and/or CCs should not hamper the class schedule and the academic calendar of the institution, and would preferably be arranged during the second half of the Saturdays.
 - (d) The members of the IQAC requested the Chairman, IQAC and the Principal of the college to oversee the arrangements for unhindered access to the classrooms during the class hours for the VACs and/or CCs.
4. Dr. Rahul Kumar Datta, Coordinator, IQAC and Dr. Sourabh Mukhopadhyay, Member IQAC stressed upon the need of repair and overhaul of certain electrical installations within the college premises. Dr. Datta additionally mentioned that the drinking water facilities installed at different locations of the college (departments, office and hostels) need a proper maintenance.
5. Dr. Tapas Kumar Adalder, Coordinator, DBT Star College Scheme was invited in the meeting. Dr. Adalder appraised the members about the progress of the DBT Star College scheme. He informed the house regarding the request to submit a Star Status proposal and three years consolidated progress report for the evaluation of Star status under the star college scheme.
6. It was unanimously decided that an Academic Sub-Committee be formed with immediate effect. Smt. Sudipta Mullick, Member IQAC, and TCS was requested to look into the matter. It was also resolved in the meeting that Academic Sub-committee will prepare the Academic Calendar for the year 2022-2023. Tentative dates encompassing different aspects of continuous teaching and evaluation be judiciously mentioned.
7. The members present in the meeting requested Dr. Tarun Mistri, Assistant Professor, Department of Chemistry to proceed for the Students' Satisfaction Survey (SSS) for the ensuing academic session. He was further requested to groom the new entrants regarding the nuances of the SSS.
8. The house unanimously decided that the college will continue with the Entrepreneurship Development via Mushroom Culture as one of the best practices of the college. Dr. Datta appraised the house that process of training the local populace in mushroom culture has

already been initiated by Dr. Sudip Kumar Das, SACT, Dept. of Botany during the year 2019-2020 and Dr. Das has already completed a couple of such programs successfully. However, for the social distancing guidelines, the program had to be stalled from March 2020 till February 2022. The response received from the local people has bolstered the urge for continuing this effort. Dr. Sourabh Mukhopadhyay emphasized the social outreach of this venture.

9. The house also unequivocally acknowledged the impact of the works done by the P. K. Sen Forum and the College Forum in propagating the community support and services. Smt. Sukti Chaudhuri informed the house regarding its activities in the past, and mentioned that owing to the COVID related protocols and the social distancing norms laid down by the State and the Central Governments, the programs had to be suspended temporarily from March 2020 till February 2022. She also acknowledged the related community works performed by the Physics Alumni Association, though not related to any of the forums, during this period. Smt. Chaudhuri also appraised the house of her plans to carry forward the community work during the year 2022-2023.



Principal
Jhargram Raj College
Principal
Jhargram Raj College

O/C No. 72

JHARGRAM RAJ COLLEGE

Date: 07.07.2022

A meeting of the IQAC will be held on 13.07.2022, Wednesday, at 03.30 P.M. at the chamber of the Principal. All the members are requested to attend the meeting.

Agenda:

- 1) Review & discussion on plan of action of IQAC regarding its activities
- 2) Matter arising

Countersigned



Principal & Chairperson,
IQAC, Jhargram Raj College



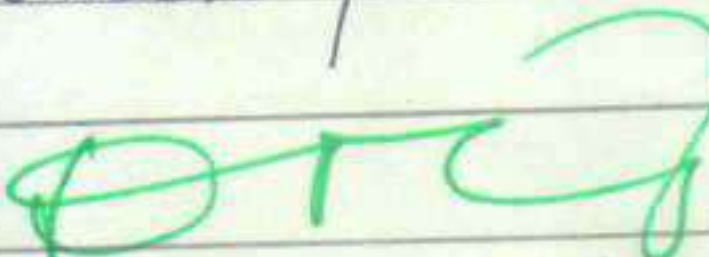
Coordinator, IQAC
Jhargram Raj College

IQAC

Thargram Raj College

Minutes & Resolution of the meeting held on 13/07/22
at 3.30 PM; Venue - Principal's chamber

Members present

1.  13/07/2022
2. Rashmi Kumari Datta 13/07/2022
3. Yukti Chandni 13.7.2022.
4. ~~Prat~~ 13/7/2022 13/7/2022
5. ~~Sowabhi Deen Pradyay~~ 13/7/22
6. Pradipta Ghosh 13/7/2022
7. Bhabna Choudhary 13/7/2022
8. Satyajit Ghosh 13/07/2022
9. Sudipta Mullick 13/08/2022

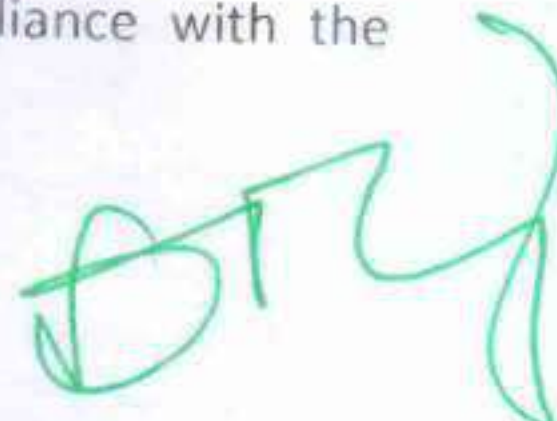
IQAC
JHARGRAM RAJ COLLEGE
Minutes and Resolutions of the Meeting held on 13/07/2022
Venue – Principal's Chamber, at 3.30 PM.

Minutes and Resolutions:

1. The meeting was presided over by Dr. Debnarayan Roy, Principal, Jhargram Raj College.
2. The members present in the meeting confirmed the minutes and the resolutions taken in the meeting held on 09/06/2022.
3. Dr. Rahul Kumar Datta, Coordinator, IQAC informed the house that the procedures for the constitution of the screening committee for the CAS-based promotion of ten (10) teachers of the college was achieved on 13/06/2022.
4. Dr. Sourabh Mukhopadhyay and Dr. Prasanta Patra emphasized the urgent need of repair of the electrical installations at different locations of the college premises. They also pointed out that there is an immediate need of a thorough maintenance of the water purifying installations throughout the college, including the hostels. In view of these, it was decided that an urgent communication would be initiated with the Executive Engineer, PWD (Electricals) for mitigating the said issues.
5. The IQAC Coordinator requested Shri Sandip Sarkar, Internal Member, IQAC and NAAC Coordinator to prepare and present a report regarding all the seven (07) criteria for preparation of AQAR. It was informed by Shri Sarkar that first draft has already been prepared by the NAAC Task Force and after submission of the draft, suggestions were sent by Shri Sarkar to the team. Subsequently, the corrected versions will be sent to IQAC as early as possible.
6. Dr. Rahul Kumar Datta, Coordinator IQAC, informed the house, quoting Dr. Tapas Kumar Adalder, that the DBT Star Component application and the consolidated progress report has been submitted for further processing and action. The house thanked Dr. Adalder for his efforts in running the scheme.
7. Dr. Prasanta Patra mentioned that 13 teachers of the college have submitted the applications for their CAS. It was resolved that the files of the incumbents (that are complete in all respects) related to CAS, would be processed just after the uploading of the AQAR for 2020-21.
8. Dr. Satyajit Ghorai informed the house that the notification regarding the Value-Added Courses has already been published and circulated. He further mentioned that proposals for the said courses have started coming in for scrutiny. The house requested Dr. Ghorai to publish the list of sifted courses on an urgent basis thus enabling the students to decide and enroll for the course of choice.
9. Dr. Rahul Kumar Datta, Coordinator, IQAC and the Convenor, Academic Sub-Committee appraised the house that the Academic Calendar for the session 2022-2023 has already been published. He mentioned that calendar has been prepared in two parts, spanning the odd and the even semesters respectively. This has been done in an attempt to accommodate any significant instruction(s) during the even semester of 2022-2023 laid down by the HE Dept.,

Govt. of WB and/or Vidyasagar University in view of the ensuing NEP 2020 curriculum slated to be launched from 2023-2024.

10. Smt. Sukti Chaudhuri and Smt. Sudipta Mullick, both Members, IQAC appraised the house of the community works carried out by the students and Faculty Members of the college under the banner of Pabitra Kumar Sen Memorial Forum for Community Work. They mentioned that the community engagement had been continuing since 2016-2017 session. They also emphasized the pivotal role played by the Physics Alumni Association in continuing the said activities during the COVID period when regular involvement of Faculty members and students was severely plagued by lockdowns.
11. The following activities were proposed by the IQAC for the year 2022-2023:
 - (a) The reconstitution of the ICC in view of the recent transfers and superannuation of some of the members present in the erstwhile ICC of Jhargram Raj College.
 - (b) Organizing some in-house/collaborative seminar/symposium on various issues.
 - (c) MoU with some other institutions with proper implications and time-bound activities.
 - (d) Active engagements in various areas like gender sensitization, plantation, awareness program, blood donation camp, campus cleaning or green campus drive, extension/outreach activities etc. through organizing seminar, workshop, programs in collaboration with various departments/designated cells/TC subcommittee/NSS/alumnae association etc.
 - (e) Undertaking the academic, administrative and green audits in compliance with the requirements of the NAAC.



Principal
Jhargram Raj College
Principal
Jhargram Raj College

Jhargram Raj College

O/C No. 79

Date: 27.7.2022

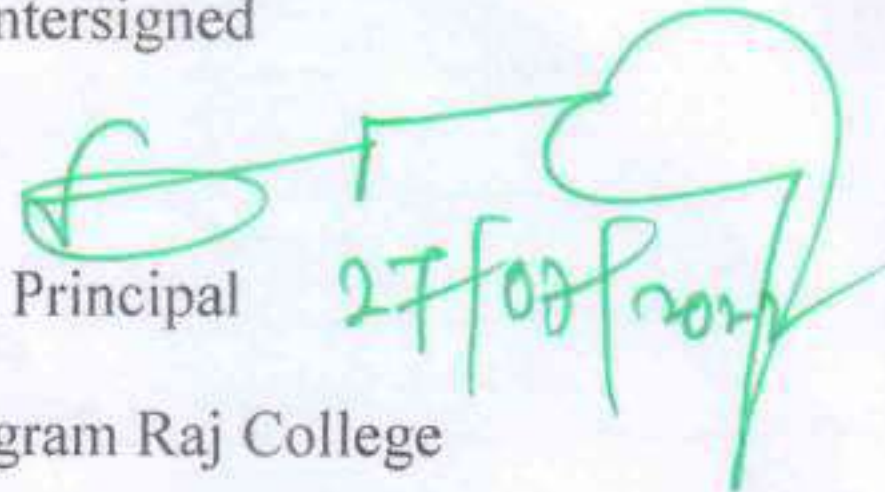
Notice

A meeting of the IQAC will be convened on 02.08.2022, Tuesday, at 03.00 P.M. at the chamber of the Principal, Jhargram Raj College. Those who are unable to join physically, may join through Google Meet Link : meet.google.com/puu-ejpr-mzh

Agenda:

- 1) To address all the members about the meeting of DPI office on 26.07.2022, Higher Education Department, Govt. of West Bengal
- 2) Miscellaneous

Countersigned


Principal

Jhargram Raj College

Principal
Jhargram Raj College

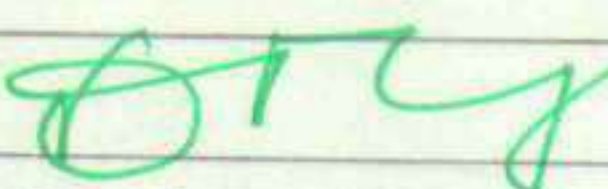
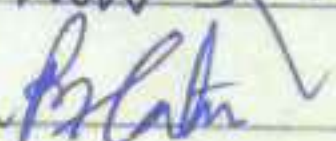

Co-ordinator, IQAC

Co-ordinator
Internal Quality Assurance Cell
Jhargram Raj College
Jhargram, West Bengal

IQAC
Jhargram Raj College

Minutes & Resolution of the meeting held
on 02.08.2022.

Members present:

1.  2/8/2022
2. Pradyumn Datta 2/8/2022
3.  2/8/2022
4. Souvik Kumar Bhattacharya 2/8/22
5. Pradipta Ghosh 02/08/22
6. Yukti Chaudhuri 2.8.22
7. Bratma Chaudhuri 2/8/2022
8. Satyajit Ghosh 02/08/2022
9. Sindipta Mullick 02/08/2022

IQAC
JHARGRAM RAJ COLLEGE
Minutes & Resolution of the Meeting held on 02/08/2022
Venue – Principal's Chamber, at 3.00 PM.

Minutes and Resolutions

1. The meeting was presided over by Dr. Debnarayan Roy, Principal, Jhargram Raj College.
2. The members confirmed the minutes and the corresponding resolutions accepted in the meeting held on 13/07/2022.
3. The President informed the house that a letter to the Executive Engineer, PWD (Electrical) has been sent for initiating repair works of the water purifying systems. He also appraised that an appeal for new installations of such systems has also been made in the said letter.
4. Dr. Rahul Kumar Datta, Coordinator, IQAC appraised the Members of the IQAC regarding the meeting organized by Higher Education Department, Govt. of West Bengal with Principals, IQAC Coordinators and NAAC Coordinators for the preparation of NAAC, held at the Office of the DPI on 26/07/2022. The salient points that stemmed out from the said meeting comprised of the following:
 - (a) It was stressed upon that quantitative data matrices must be supported by relevant documents, certificates, etc. It was also suggested to exercise utmost care for the preparation of qualitative data.
 - (b) The discussion was exhaustive with special emphasis on giving thrust on various areas like student projects, value added courses, extension and cultural activities, library, etc.
5. Dr. Satyajit Ghorai, IQAC Member appraised the house of the developments related to the commencement of the Value-Added Courses (VACs). Dr. Ghorai elaborated on the time-line traversed, as well as the one proposed in this regard. He mentioned that in response to a notice published on 01/07/2022, seeking proposals for the VACs from the Faculty Members, a number of them were received within the next fortnight, and upon a proper scrutiny five such courses were offered. A notice published on 29/07/2022 directed the interested students to apply for the course of their choice and enroll their names with the corresponding Course Coordinator.
6. Based on the discussion, the IQAC, Coordinator suggested to group the team for NAAC related preparation (both AQAR and SSR) in following areas: (i) Faculty related data (ii) Student related data (iii) Academic and curricular data (iv) Infrastructural data (v) Finance data.
7. Dr. Sourabh Mukhopadhyay, Member IQAC, informed the house that a letter has been sent to the Executive Engineer, PWD (Electricals) for undertaking immediate repair and reinstallation works of different electrical installations including the water purifying systems throughout the college campus and the hostels.
8. It was also agreed upon that for the preparation of AQAR, teachers will be engaged in a criterion-wise manner under the guidance of the members from IQAC and/or the NAAC sub-committee:
 - Part A: Dr. Rahul Kumar Datta (Coordinator, IQAC), Dr. Pradipta Ghosh (IQAC Member)
 - Criterion 1: Shri Arabinda Samanta (Dept. of Botany), Smt. Sudipta Mullick (IQAC Member)
 - Criterion 2: Shri Brahma Chaudhuri (IQAC Member)
 - Criterion 3: Dr. Susovan Mandal (Dept. of Chemistry), Dr. Sourabh Mukhopadhyay (IQAC member)
 - Criterion 4: Dr. Utsav Roy (Dept. of Philosophy), Dr. Satyajit Ghorai (IQAC Member)
 - Criterion 5: Dr. Subhadip Sau (Dept. of Physics), Dr. Prasanta Patra (IQAC Member)
 - Criterion 6: Shri Sourav Barai (Dept. of Zoology), Dr. Sandip Sarkar (IQAC Member)
 - Criterion 7: Shri Sourav Paul (Dept. of Botany), Dr. Rahul Kumar Datta (Coordinator, IQAC)
9. Shri Brahma Chaudhury, Member IQAC, highlighted the need for repair and upkeep of the Main Building of the college. The members present in the meeting unanimously decided that an urgent

communication would be initiated with the Executive Engineer, PWD (Civil) for taking up the aforesaid repair.

10. Dr. Sourabh Mukhopadhyay quired regarding the upgradation of the Wi-Fi facility in the campus and it was resolved that it will be completed by 31/10/2022.
11. Smt. Sudipta Mullick and Dr. Satyajit Ghorai, both Members of the IQAC, raised a query about 1 year of extraordinary leave and Principal, Jhargram Raj College apprised the meeting that the issue was yet to receive proper clarification from the Department of Higher Education, Govt. of West Bengal.
12. Dr. Tapas Kumar Adalder, Coordinator, DBT Star College Scheme, was invited to the meeting. Dr. Adalder informed the house that he would be attending the Coordinator's Meeting and the 13th Task Force Meeting at the Auditorium of Pandit Deen Dayal Upadhyay College, New Delhi from 04/08/2022 to 06/08/2022. The members wished Dr. Adalder good luck and expressed that the college looks forward to achieving the Star Status.
13. It was unanimously decided that Dr. Prasanta Patra will do the needful for the processing of the CAS related files of the 13 incumbents by 15th of November.
14. The house resolved that a team of lady Faculty Members of the college led by Smt. Priyanka Mukhopadhyay Basu (Dept. of English) and Dr. Nivedita Bhattacharyya (Dept. of Physiology) will visit Sevayatan Girls' School to undertake a Female Health Awareness program on 21/09/2022, as a part of the Pabitra Kumar Sen Memorial Forum for Community Work.



Principal

Jhargram Raj College

Principal
Jhargram Raj College

Jhargram Raj College

Date: 16.11.2022

O/C No. 106

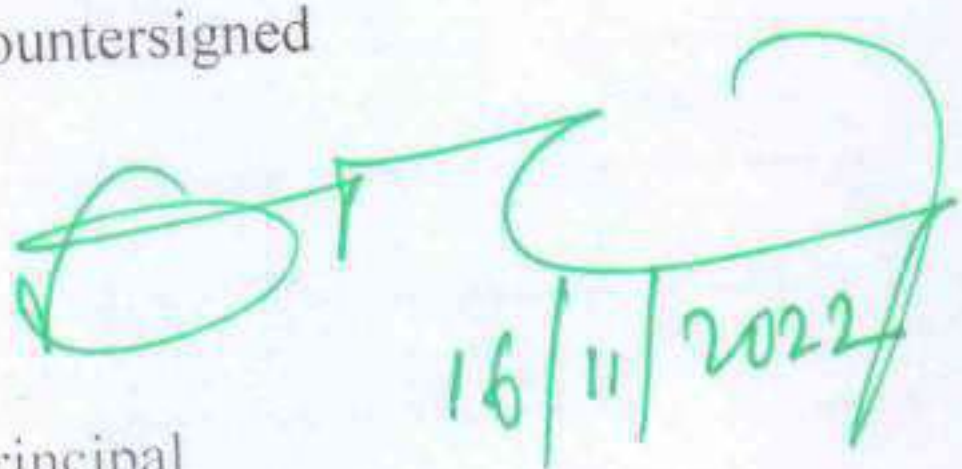
Notice

A meeting of the IQAC will be convened on 22.11.2022, Tuesday, at 02.00 P.M. at the chamber of the Principal, Jhargram Raj College. All the members are requested to attend.

Agenda:

- 1) CAS for the incumbents
- 2) AQAR 2021-2022 Progress, Preparation & Uploading
- 3) Plan of action for the upcoming days
- 4) Matter arising

Countersigned


Principal
Jhargram Raj College
Principal
Jhargram Raj College


Co-ordinator, IQAC

Co-ordinator
Internal Quality Assurance Cell
Jhargram Raj College
Jhargram, West Bengal

Meeting of ISAC held on 22/11/2022

at 2:00 pm in Principal's Chamber,
Thargram Raj College

Members present:-

- 1) STC 22/11/2022.
- 2) RCT 22/11/2022
- 3) Sa. S. S. S. S. 22/11/2022
- 4) Sowrabh N. S. S. S. 22/11/22.
- 5) Brahma Chaudhuri 22/11/2022
- 6) Satyajit Ghosh 22/11/2022
- 7) Sandipta Mukherjee 22/11/2022
- 8) Preanta Patra 22/11/2022.
- 9) Pradipta Ghosh 22/11/2022
- 10) Layacharprasad D. 22.11.22
- 11) S. S. S. S. 22/11/2022

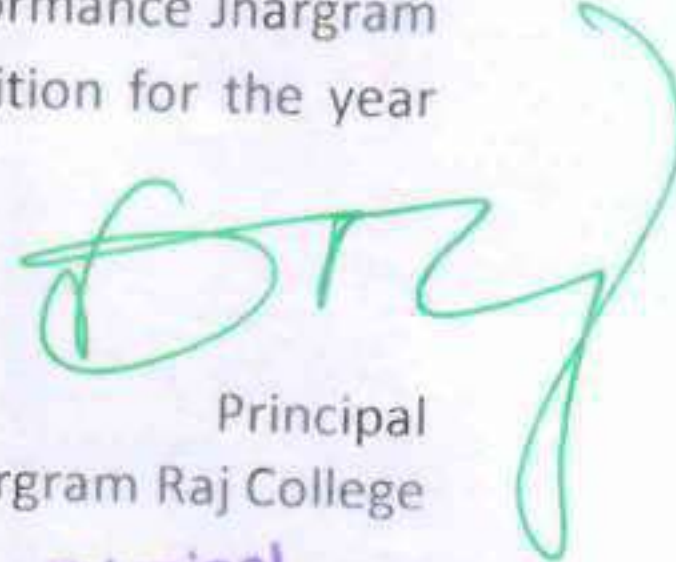
IQAC
JHARGRAM RAJ COLLEGE
Minutes & Resolution of the Meeting held on 22/11/2022
Venue – Principal's chamber, at 2.00 PM.

Minutes & Resolution

1. The meeting was presided over by Dr. Debnarayan Roy, Principal, Jhargram Raj College.
2. The members confirmed the minutes and the corresponding resolutions accepted in the meeting held on 02/08/2022.
3. The President appraised the house that a communication has already been initiated with the Executive Engineer, PWD (Civil) for the repair of the Main Building of the college. He further mentioned that a letter has also been sent to the Executive Engineer, PWD (Social Sector) for the maintenance of the playground attached to the Boys' Hostels of the college.
4. Appeal for an administrative approval has also been sought from the DPI in regard to the maintenance of the electrical installations and power restoration in instances of power-cuts, the President informed.
5. Dr. Rahul Kumar Datta, Coordinator, IQAC requested Dr. Prasanta Patra to intimate the house about the status of CAS for 13 incumbents. Dr. Patra informed that CAS related files of 13 incumbents have been checked and verified and sent for revision. The files of Dr. Tapas Adalder and Dr. Nivedita Bhattacharyya are yet to be verified and they would be requested to submit the same latest by 25/11/2022.
6. Dr. Rahul Kumar Datta, Coordinator IQAC, informed the house that the plumbing and sanitation related jobs, taken up by the PWD has been completed in due time.
7. The President proposed to include two new members as representative of administrative officers, i.e., the SDO and the Chairman of Jhargram Municipality. Smt. Kabita Ghosh, Chairman, Jhargram Municipality has already given the consent to this, he added. He also suggested the house that the name of CMOH, Jhargram may also be considered as a representative from society as proposed by our external member, Dr. Rajendra Prasad De. The Coordinator, IQAC also mentioned that since Shri Sourav Karan (Student-Member, IQAC), the student of M.Sc. Semester IV, has already qualified his final semester examination, hence, a new student member may be added. Dr. Pradipta Ghosh, Member IQAC, suggested the name of Shri Debnath Pratihari, a student of M.Sc. Chemistry (Semester III) and the name was accepted by all the members present in the meeting.
8. Dr. Satyajit Ghorai, IQAC Member and TCS appraised the house of the developments related to the Value-Added Courses (VACs). He mentioned that classes for all the five VACs have been running in full swing during the second half of the Saturdays. He also mentioned that the classes started from 10/08/2022 (upon the successful completion of the enrolment on 05/08/2022). Dr. Ghorai also pointed out that courses are supposed to continue till 02/01/2023.
9. Coordinator also requested all the members to monitor the progress of their respective team members for each criterion for a quick processing of AQAR.
10. It was pointed out that the preparations of biodiversity register, green audit, SSS, student feedback analysis are yet to be done, as a part of plan of action. It was unanimously decided that quick action along these lines be initiated immediately.
11. Shri Brahma Chaudhuri suggested the house that the NSS Units I, II, III and IV would like to organize a Seminar to observe World AIDS Day, during December 2022 (preferably on 01/12/2022) in collaboration with the IQAC and the proposal was accepted.
12. Smt. Sukti Chaudhuri and Smt. Sudipta Mullick, both Members, IQAC appraised the house of the community works carried out by the students and Faculty Members of the college under the banner of Pabitra Kumar Sen Memorial Forum for Community Work. They informed the house that as a continuous process of lending support to the community, it has been decided to organize a

Health Review Camp for the children of village KATABARI, in association with Dr. Nivedita Bhattacharyya of the Department of Physiology. The said camp has been slated to be organized on 15/12/2022 from 11:00 AM onwards. In addition, a program on Nutritional Status Assessment will also be organized at the Sevayatan Girls' School on 24/11/2022.

13. Shri Sandip Sarkar proposed that Madhava Mathematics Competition can be organized by the college; whose date could be notified later on and all the members accepted the proposal.
14. Coordinator also informed that Department of History is willing to organize a one-day lecture on Labor Recruitment, where as Dr. Satyajit Ghorai mentioned that the cultural subcommittee is eager to organize the International Mother Language Day.
15. Dr. Tapas Kumar Adalder, Coordinator, DBT Star College Scheme (an invited member) shared the joyful information that Jhargram Raj College has been awarded the DBT Star Status, vide an e-mail from Dr. Garima Gupta, dated 14/10/2022. This, as Dr. Adalder pointed out, has been a consequence of the recommendation made at the 13th Task Force Meeting held at the Auditorium of Pandit Deen Dayal Upadhyay College, New Delhi from 04/08/2022 to 06/08/2022. The house congratulated Dr. Adalder for the achievement.
16. Dr. Rahul Kumar Datta, Coordinator IQAC and Convenor Academic Sub-Committee appraised the house that the students of the Dept. of Political Science, Jhargram Raj College has been awarded the first position in the District Level Youth Parliament Competition for the year 2022-2023 held on 09/09/2022. The house congratulated the participants as well as the Faculty Members of the Dept. of Political Science for this feat. Dr. Datta further pointed out that with this performance Jhargram Raj College would participate at the Divisional Level Youth Parliament Competition for the year 2022-2023.


Principal
Jhargram Raj College

Principal
Jhargram Raj College

O/C No. 20

Jhargram Raj College

Date: 20.02.2023

A meeting of the IQAC will be convened on 28.02.2023, Tuesday, at 12 Noon at Principal's chamber, Jhargram Raj College. All the internal members and the concerned teachers involved in preparation of AQAR 2021-22 are requested to attend.

Agenda:

- 1) AQAR 2021-2022 Progress, Preparation & Uploading
- 2) Plan of action
- 3) Matter arising

Countersigned

Principal
Jhargram Raj College

Principal
Jhargram Raj College
Jhargram, West Bengal- 721507


Rahul Kumar
Coordinator, IQAC

Copy to:

- 1 All the internal members of IQAC (Smt. Sukti Chaudhuri, Dr. Sourav Mukhopadhyay, Smt. Sudipta Mullick, Dr. Pradipta Ghosh, Shri Sandip Sarkar, Dr. Prasanta Patra, Dr. Satyajit Ghosh, Shri Brahma Chaudhuri)
2. Shri Arabinda Samanta, Shri Abhoy De, Dr. Susovan Mandal, Shri Saurav Paul, Shri Sourav Paul, Shri Subhadip Sahu, Shri Sayantan Roy
3. Convener, website sub committee

Date: 28.02.2023 at 12 Noon
IQAC minutes / Resolution

Members present

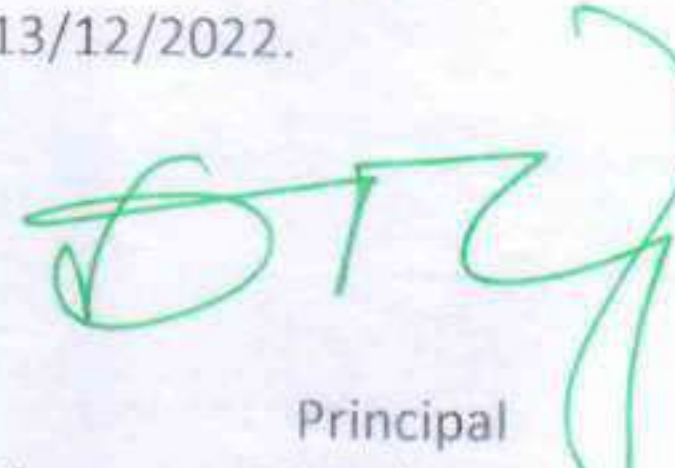
1.  28/02/2023.
2. Rahul Kumar Datta 28/02/2023
3. Sourabh Deek Padhyay 28/02/23.
4. Satyajit Ghosh - 28/02/2023
5. Sudipta Mukherjee 28.2.2023
6. Brahma Chandhuri 28/02/2023
7. Prasanta Patra 28/02/2023
8. Pradipta Ghosh 28/02/2023
9. Sandip Sarker 28/02/2023.
10. Sandip Sarker 28/2/23
11. Abhoy Bose 28/02/23.
12. Subhadip Sau

IQAC
JHARGRAM RAJ COLLEGE
Minutes & Resolution of the Meeting held on 28/02/2023
Venue – Principal's Chamber, at 12 NOON.

Minutes & Resolution

1. The meeting was presided over by Dr. Debnarayan Roy, Principal, Jhargram Raj College.
2. The members confirmed the minutes and the corresponding resolutions accepted in the meeting held on 22/11/2022.
3. Dr. Sourabh Mukhopadhyay, Member IQAC, informed the house that the college has sought an administrative approval for disbursing funds to proceed for the Annual Maintenance Contract of the electrical installations in the college. The President IQAC and Principal, Dr. Roy confirmed that this communication has been done on 23/11/2022.
4. The President IQAC further mentioned that the PWD has been communicated (vide the letter dated 24/11/2022) for the repair of the main gate of the college. He further pointed out that the works related to the repair and/or installation (as is applicable) of fire extinguishers would be undertaken soon, subject to the release of funds from the Govt. of WB (vide a communication dated 25/11/2022).
5. Dr. Rahul Kumar Datta, Coordinator, IQAC briefed all the members about the current status of the AQAR 2021-22. He mentioned that:
 - (i) Part A: almost complete, except some parts of Finance data.
 - (ii) Criterion I: almost ready, except for the incorporation of some names of the students having project.
 - (iii) Criterion II: data regarding meeting, minutes and resolutions of slow learner, advanced learner to be collected from the departments.
 - (iv) Criterion III: the MoUs have been done with some colleges like the Jhargram Raj College (Girls' Wing) and Sevayan Sikhshan Mahavidyalaya, but some of the implementation documents are still to be prepared.
 - (v) Criterion IV: book list to be furnished under DBT Star College Scheme and the Coordinator, DBT Star College Scheme will be requested to complete the same, along with website upload.
 - (vi) Criterion V: all the supporting documents have been collected by respective departments with respect to student progression; some departments have provided the same to the IQAC already.
 - (vii) Criterion VI: almost ready; final checking under progress.
 - (viii) Criterion VII: resolved that preparation of sanitizers and summer school program (online) can be considered as two best practices for the session 2021-22.
6. IQAC requested the members of Academic subcommittee to conduct a meeting followed by TC for consideration of various academic activities including result consideration, attendance etc.
7. Shri Sandip Sarkar, Member IQAC and Convenor, NAAC Steering Committee appraised the house that work related to the cleaning of the playground adjacent to the Boys' Hostels has been completed by the PWD. Shri Sarkar further emphasized that, in view of the ensuing summers, to mitigate any crisis of drinking water in the Boys' Hostel, a new borewell should be drilled. The President ensured that a communication in this regard has already been sent on 31/01/2023 to the PWD, who in collaboration with the PHE Dept. would look into the matter.
8. The President informed the house that the Executive Engineer, PWD (Civil) and the Executive Engineer, PWD (Electrical) have been communicated on 01/02/2023 and 02/02/2023 respectively to take up immediate repair works of the drainage lines of the Old Boys' Hostel and to sort out the problem in electrical connection in the Dept. of Physics.

9. The Service Confirmation of 8 incumbents have become due and as such all related documentation service book updating and other works may be completed at the earliest within March 2023.
10. Smt. Sukti Chaudhuri and Smt. Sudipta Mullick, both Members, IQAC appraised the house of the successful completion of the Health Review Camp for the children of village KATABARI, in association with Dr. Nivedita Bhattacharyya of the Department of Physiology on 15/12/2022 and the Nutritional Status Assessment program at Rajpara village on 23/02/2023. They also shared the photographs of the said Camp with the members present in the meeting. The house thanked Dr. Nivedita Bhattacharyya for her wholehearted support in the program.
11. The President IQAC informed that the college has received a fund of ₹ 2,00,000.00 from the Higher Education Dept., Govt. of WB, for the financial year 2022-23 [vide Ref. No. 179 (SANC) HED-16013 (11) / 43 / 2021 / CG, dated 23/05/2022] for carrying out the online UG and PG admission process via the online admission portal of the college. The house was informed also of the sum of approximately ₹ 9 lacs to be received soon for the repair and renovation works of the Main (Academic) Building, Humanities Building and repair and renovation of Girls' and Boys' Hostels of the college.
12. Shri Sandip Sarkar proposed that Department of Mathematics will organize a seminar on future prospects of learning of Mathematics at UG level by Padmasree, Prof. Bimal Kr. Roy, Director, ISI, Kolkata and the proposal is readily accepted.
13. Dr. Sourabh Mukhopadhyay added that the cine club has a proposal to screen some documentary or films of which the first one is "The Elephant Whispers" (Oscar winning documentary) and the tentative date is first week of April. This was accepted by all.
14. Dr. Rahul Kumar Datta, Coordinator IQAC and Convenor Academic Sub-Committee appraised the house that the students of the Dept. of Political Science, Jhargram Raj College participated in the Divisional Level Youth Parliament Competition for the year 2022-2023 held on 13/12/2022.



Principal
Jhargram Raj College

Principal
Jhargram Raj College

National Institutional Ranking Framework
Ministry of Education
Government of India
Welcome to Data Capturing System: COLLEGE

Submitted Institute Data for NIRF'2024'
Institute Name: Jhargram Raj College [IR-C-C-19039]

Sanctioned (Approved) Intake

Academic Year	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18
UG [3 Years Program(s)]	1486	1486	1805	-	-	-
PG [2 Year Program(s)]	85	85	-	-	-	-

Total Actual Student Strength (Program(s) Offered by Your Institution)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC Including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from the Private Bodies	No. of students who are not receiving full tuition fee reimbursement
UG [3 Years Program(s)]	2401	1814	4215	4215	0	0	0	1759	0	0	0	1759
PG [2 Year Program(s)]	63	66	129	129	0	0	0	67	0	0	0	67

Placement & Higher Studies

UG [3 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2018-19	1805	1330	2020-21	533	0	0(Zero)	293
2019-20	1805	1326	2021-22	682	0	0(Zero)	305
2020-21	1805	1483	2022-23	601	0	0(Zero)	278

PG [2 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2019-20	85	80	2020-21	78	0	0(Zero)	48
2020-21	85	77	2021-22	77	0	0(Zero)	35
2021-22	85	74	2022-23	65	0	0(Zero)	31

Financial Resources: Utilised Amount for the Capital expenditure for previous 3 years

Academic Year	2022-23	2021-22	2020-21
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Capital Expenditure on Academic Activities and Resources (excluding expenditure on buildings)			
Library	498000 (FOUR LAKH NINETY EIGHT THOUSAND ONLY)	0 (ZERO)	0 (ZERO)
New Equipment for Laboratories	0 (ZERO)	0 (ZERO)	0 (ZERO)
Other expenditure on creation of Capital Assets (excluding expenditure on Land and Building)	0 (ZERO)	3799493 (THIRTY SEVEN LAKH NINETY NINE THOUSAND FOUR HUNDRED NINETY THREE ONLY)	0 (ZERO)

Financial Resources: Utilised Amount for the Operational expenditure for previous 3 years

Academic Year	2022-23	2021-22	2020-21
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Operational Expenditure			
Salaries (Teaching and Non Teaching staff)	90615347 (NINE CRORE SIX LAKH FIFTEEN THOUSAND THREE HUNDRED FORTY SEVEN ONLY)	91223798 (NINE CRORE TWELVE LAKH TWENTY THREE THOUSAND SEVEN HUNDRED NINETY EIGHT ONLY)	68584871 (SIX CRORE EIGHTY FIVE LAKH EIGHTY FOUR THOUSAND EIGHT HUNDRED SEVENTY ONE ONLY)
Maintenance of Academic Infrastructure or consumables and other running expenditures(excluding maintenance of hostels and allied services,rent of the building, depreciation cost, etc)	2092054 (TWENTY LAKH NINETY TWO THOUSAND FIFTY FOUR ONLY)	1229000 (TWELVE LAKH TWENTY NINE THOUSAND ONLY)	1369211 (THIRTEEN LAKH SIXTY NINE THOUSAND TWO HUNDRED ELEVEN ONLY)
Seminars/Conferences/Workshops	355500 (THREE LAKH FIFTY FIVE THOUSAND FIVE HUNDRED ONLY)	245000 (TWO LAKH FORTY FIVE THOUSAND ONLY)	245000 (TWO LAKH FORTY FIVE THOUSAND ONLY)

PCS Facilities: Facilities of physically challenged students

1. Do your institution buildings have Lifts/Ramps?	Yes, less than 40% of the buildings
2. Do your institution have provision for walking aids, including wheelchairs and transportation from one building to another for handicapped students?	Yes
3. Do your institution buildings have specially designed toilets for handicapped students?	Yes, less than 40% of the buildings

Accreditation

NAAC Accreditation

1. Does your institute have a valid NAAC Accreditation?	YES
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Faculty Details

Srno	Name	Age	Designation	Gender	Qualification	Experience (In Months)	Currently working with institution?	Joining Date	Leaving Date	Association type
1	DR DEBNARAYAN ROY	54	Dean / Principal / Director / Vice Chancellor	Male	Ph.D	273	Yes	31-10-2017	--	Regular
2	DR RAHUL KUMAR DATTA	50	Associate Professor	Male	Ph.D	259	Yes	05-09-2017	--	Regular
3	DR KRISHNENDU SINHA	35	Assistant Professor	Male	Ph.D	96	Yes	06-11-2015	--	Regular
4	SANJIB KUMAR DAS	41	Assistant Professor	Male	M. Phil	92	Yes	09-12-2015	--	Regular

5	DR Koushik Sen	36	Assistant Professor	Male	Ph.D	44	Yes	07-11-2019	--	Regular
6	Sourav Barai	36	Assistant Professor	Male	M.Sc.	45	Yes	17-10-2019	--	Regular
7	MD Shariful Islam	31	Assistant Professor	Male	M.Sc.	45	Yes	15-10-2019	--	Regular
8	DR DIPANKAR MONDAL	39	Assistant Professor	Male	Ph.D	92	Yes	19-11-2015	--	Regular
9	DR BAISHAKHI KUNDU	39	Assistant Professor	Female	Ph.D	107	Yes	13-08-2014	--	Regular
10	DR TANMAY SINGHA MAHAPATRA	33	Assistant Professor	Male	Ph.D	92	Yes	06-06-2022	--	Regular
11	SRI RAMCHANDRA PRAMANIK	62	Associate Professor	Male	M.A	263	No	23-05-2012	31-03-2023	Regular
12	SK SIKANDAR ANSARI	34	Assistant Professor	Male	M. Phil	59	Yes	03-08-2018	--	Regular
13	SMT PRIYANKA MUKHOPADHYAY BASU	47	Assistant Professor	Female	M.A	221	Yes	03-02-2016	--	Regular
14	SMT SRIJITA SAHA	32	Assistant Professor	Female	M. Phil	45	Yes	15-10-2019	--	Regular
15	DR SASADHAR MANNA	65	Associate Professor	Male	Ph.D	299	No	16-04-2005	30-04-2023	Regular
16	SRI SANDIP SARKAR	44	Assistant Professor	Male	M.Sc.	194	Yes	07-12-2012	--	Regular
17	SRI ABHOY DE	33	Assistant Professor	Male	M.Sc.	101	Yes	26-02-2015	--	Regular
18	SRI SAYANTAN ROY	34	Assistant Professor	Male	M.Sc.	90	Yes	27-07-2016	--	Regular
19	DR ARGHYA GHOSH	37	Assistant Professor	Male	Ph.D	100	Yes	02-09-2021	--	Regular
20	SRI ARABINDA SAMANTA	35	Assistant Professor	Male	M.Sc.	92	Yes	09-11-2015	--	Regular
21	DR MOMEZUL HAQUE	35	Assistant Professor	Male	Ph.D	23	Yes	11-08-2021	--	Regular
22	SAURAV PAUL	35	Assistant Professor	Male	M.Sc.	22	Yes	08-09-2021	--	Regular
23	DR NIVEDITA BHATTACHARYYA	46	Assistant Professor	Female	Ph.D	215	Yes	02-09-2013	--	Regular
24	SRI SREEJIT GHOSH	37	Assistant Professor	Male	M.Sc.	98	Yes	01-03-2019	--	Regular
25	DAISY MAJUMDAR	38	Assistant Professor	Female	M. Phil	108	No	03-02-2016	30-11-2022	Regular
26	DIGANTA DAS	30	Other	Male	M.LISc	17	Yes	17-02-2022	--	Regular
27	PARTHA PRATIM MUKHERJEE	57	Associate Professor	Male	M.A	346	Yes	22-09-2011	--	Regular
28	SOUVICK BISWAS	44	Assistant Professor	Male	M.A	105	Yes	09-10-2014	--	Regular
29	DR DEBANJAN DAS	39	Assistant Professor	Male	Ph.D	105	Yes	09-10-2014	--	Regular
30	SUKTI CHAUDHURI	56	Associate Professor	Female	M. Phil	289	Yes	22-12-2012	--	Regular

31	DR PRADIP KUMAR PANDA	56	Associate Professor	Male	Ph.D	292	Yes	03-03-1999	--	Regular
32	DR SATYAJIT GHORAI	38	Assistant Professor	Male	Ph.D	98	Yes	22-05-2015	--	Regular
33	DR SURAJIT BISWAS	35	Assistant Professor	Male	Ph.D	54	Yes	28-01-2019	--	Regular
34	PRIYA TAMANG	33	Assistant Professor	Female	M. Phil	54	Yes	28-01-2019	--	Regular
35	DR ALOKE GUPTA	41	Assistant Professor	Male	Ph.D	92	Yes	19-11-2020	--	Regular
36	BRAHMA CHAUDHURI	38	Assistant Professor	Male	M.COM	97	Yes	04-06-2015	--	Regular
37	OINDRILA SEN	31	Assistant Professor	Female	M.A	91	Yes	03-12-2015	--	Regular
38	SUSEN GANGOPADHYAY	38	Assistant Professor	Male	M.A	47	Yes	16-08-2019	--	Regular
39	RAJESH KUMAR PANDEY	33	Assistant Professor	Male	M.A	42	Yes	20-01-2020	--	Regular
40	SUDIPTA MULLICK	48	Associate Professor	Female	M. Phil	209	Yes	20-07-2015	--	Regular
41	SUJAN PRAMANIK	37	Assistant Professor	Male	M. Phil	52	Yes	13-03-2019	--	Regular
42	SATABDI DAS	30	Assistant Professor	Female	M.A	42	Yes	22-01-2020	--	Regular
43	DR BODRUDDOZA AREFIN	41	Assistant Professor	Male	Ph.D	100	Yes	03-03-2015	--	Regular
44	DR PRADIPTA GHOSH	48	Assistant Professor	Male	Ph.D	252	Yes	19-06-2014	--	Regular
45	SANCHAYITA ADIKARI	34	Assistant Professor	Female	M.Sc.	91	Yes	08-12-2015	--	Regular
46	DR PRASANTA PATRA	40	Assistant Professor	Male	Ph.D	169	Yes	02-08-2013	--	Regular
47	DR ANSUMAN BEJ	39	Assistant Professor	Male	Ph.D	91	Yes	09-12-2015	--	Regular
48	DR SOURABH MUKHOPADHYAY	46	Associate Professor	Male	Ph.D	205	Yes	22-02-2012	--	Regular
49	DR SUBHASREE PRADHAN	35	Assistant Professor	Female	Ph.D	100	Yes	11-03-2015	--	Regular
50	DR SUBHADIP SAU	29	Assistant Professor	Male	Ph.D	35	Yes	04-08-2020	--	Regular
51	DR TARUN MISTRI	37	Assistant Professor	Male	Ph.D	97	Yes	11-06-2015	--	Regular
52	DR POULOMI CHAKRABORTY	34	Assistant Professor	Female	Ph.D	91	Yes	03-12-2015	--	Regular
53	DR UTSAV ROY	35	Assistant Professor	Male	Ph.D	42	Yes	22-01-2020	--	Regular
54	PRATAP KUMAR SINGHA	51	Other	Male	M.COM	322	Yes	07-08-1996	--	Other
55	AMITABHA BHATTACHARYA	39	Other	Male	M.COM	187	Yes	13-12-2007	--	Other
56	SHANKHADIP MAITY	37	Other	Male	M. Phil	162	Yes	08-01-2010	--	Other
57	CHANDRANI RAY	46	Other	Female	M.A	187	Yes	10-12-2007	--	Other

58	BISWAJIT DUTTA	40	Other	Male	M. Phil	180	Yes	17-07-2008	--	Other
59	AJOY GOPAL BERA	40	Other	Male	M. Phil	186	Yes	02-01-2008	--	Other
60	MILAN KUMAR MAL	45	Other	Male	M.A	187	Yes	20-12-2007	--	Other
61	SK MANOWAR ALI	40	Other	Male	M.Sc.	178	Yes	18-09-2008	--	Other
62	DEBASIS MAJUMDAR	56	Other	Male	M.COM	304	Yes	09-03-1998	--	Other
63	CHHTARADHAR DE	39	Other	Male	M. Phil	162	Yes	06-01-2010	--	Other
64	DR SUDIP KUMAR DAS	47	Other	Male	Ph.D	162	Yes	08-01-2010	--	Other
65	DR DEBASHREE MAHAPATRA	36	Other	Female	Ph.D	162	Yes	12-01-2010	--	Other
66	DALIYA MAHATO	43	Other	Female	M.Sc.	204	Yes	24-07-2006	--	Other
67	BHABESH MAHATA	52	Other	Male	M.A	287	Yes	02-08-1999	--	Other
68	DEBASIS MANNA	39	Other	Male	M.A	162	Yes	08-01-2010	--	Other
69	DR PRABIR DAS	42	Other	Male	Ph.D	187	Yes	10-12-2007	--	Other
70	RANJIT KUMAR KAPAT	45	Other	Male	M.A	204	Yes	10-07-2006	--	Other

ENERGY AUDIT REPORT (2022-2023)



JHARGRAM RAJ COLLEGE
JHARGRAM, WEST BENGAL

**CONSULTRAIN MANAGEMENT SERVICES,
LAKE ROAD, KOLKATA**

**TROPICAL INSTITUTE OF EARTH AND
ENVIRONMENTAL RESEARCH (TIEER),
MEDINIPUR**

CONSULTRAIN MANAGEMENT SERVICE
Lake Road, Kolkata, West Bengal, India



TROPICAL INSTITUTE OF EARTH AND
ENVIRONMENTAL RESEARCH (TIEER)

Reg. No. S/1L/42578 of 2006-07
Office address: M-10, Bidhannagar, Medinipur-721101, W.B., India

ENERGY AUDIT CERTIFICATE

Academic Year: 2022-2023

This is to certify that Jhargram Raj College, Jhargram, West Bengal has good and healthy eco-friendly environment created for saving Earth and Nature. Tropical Institute of Earth and Environmental Research associated with Consultrain Management Service are satisfied after rapid Energy Audit with moral support of Honorable Principal, IQAC Team, Staff and Students for academic year 2022-2023. This efforts taken by Faculties and Students towards environment and sustainable are highly appreciable and commendable.

(Dr. Binoy Kr. Chanda)
President, TIEER

(Dr. Pranab Sahoo)
Asst. Professor &
Secretary, TIEER

(Mrs. Sanchita Bhattachariya)
ISO-Auditor & CEO, CMS

(Mr. Ananda Kr. Das)
Expert & Member,
TIEER

ACKNOWLEDGEMENT

We, The Energy Audit Team thank the management of Jhargram Raj College, Jhargram, West Bengal for assigning us such an important work on Energy Audit. We appreciate the cooperation to our team for the assigned study, giving us necessary inputs to carry out audit activities.

Our special thanks to:

- ❖ *Principal of the College*
- ❖ *IQAC Members*
- ❖ *Teaching & supporting staff*

ENERGY AUDIT : 2022-23

This Audit has been conducted by a Committee constituted by the Experts & Scientists from different reputed Institutes. The Committee developed a questionnaire for audit based on the regulatory & statutory requirements of Central as well State. The basic data was gathered & compiled, which the committee analyzed. By and large, the audit reveals a healthy environment inside the Jhargram Raj College campus. The committee has suggested short term as well as long-term suggestions for improved environmental conditions about energy efficiency to a higher levels and authorities and all stakeholders of the College conforms that they will give due attention and utilize opportunities for identified improvements. The Committee members are listed below:

LIST OF EXPERTS AND SCIENTISTS

SL. No.	NAME	DESIGNATION	AREA IN INTEREST
1.	Dr. Binoy Kr. Chanda	President, TIEER & Former IC, VU	Environment Science & Climatology
2.	Dr. Pranab Sahoo	Secretary, TIEER & Assistant Professor and HOD, Dept of Geography, S.B. Mahavidyalaya, Kapgari	Climate Change and Environment Management and Biogeography
3.	Mrs. Sanchita Bhattachariya	Consultant, Consultrain Management services, Kolkata, & Member, TIEER, ISO-9001,14001&50001Certified Auditor.	Environment Management
4.	Dr. Sudipta Maiti	Faulty, Dept. of Botany, Raja N.L. Khan Womens' College, Midnapore	Plants Diversity & Carbon stocking, Green Management
5.	Dr. Chandan Karan	Faculty, Dept. of Geography, S.B. Mahavidyalaya, Kapgari	Land use Survey, Ecology and Map Designer
6.	Dr. Mrinmoy Ghorai	Assistant Professor in Zoology, PanskuraBanomali college.	Fauna & Aqua animals and Biodiversity conservation
7.	Sri Ananda Das	Asst. Teacher & expert	Electro physics
8.	Sri Sarat Chatterjee	Surveyor	Water and Air Quality Measurement
9.	Sri Sanjib Mahata	Surveyor & Expert in RS &GIS	Map Designer
10.	Sri Soumitra Patra	M.Tech in Agriculture and surveyor	Micro irrigation technology and water management
11.	Mr. Prasun Sahoo	B.Tech, Electrical Engineer	Electric management service

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CHAPTER-1.0 INTRODUCTION

1.1 INTRODUCTION OF THE ENERGY AUDIT

Energy Audit is a process of systematic, documented, periodic and objective evaluation of components of Energy sources with the aim of safeguarding the environment and natural resources in its operations. The process starts with systematic identification, quantification, recording, reporting and analysis of components of Energy sources in the College . Energy auditing is a means of assessing environmental performance (Welford, 2002). It is as systematic, documented, periodic, and objective review by regulated entities of facility operations and practices related to meeting environmental requirements (EPA, 2003).



Entrance of Jhargram Raj College premises



1.2 OBJECTIVES AND VIEWS OF ENERGY AUDITING:

The objectives of Energy Auditing are to assess a resource and fossil fuel utilization aids effective learning and provides a learning Resource management.

- To study of interrelationship between beneficiary and environment in the College campus
- To Establish to provide basis for improved sustainability
- To Recognize the cost saving methods through energy minimizing and managing
- To Financial savings through a reduction in resource use
- To Develop of ownership, personal and social responsibility for the College and its environment and resource

1.3 ADVANTAGES AND FAVOR OF ENERGY AUDIT:

- To develop to more efficient resource management
- To provide basis for improved sustainability
- To create a GHG free campus

Campus Area and Infrastructure:

Total area of the college campus – 20 acres,
Building area: 1.45 acres,
Green & Vegetated area: 15.95 acres.
Play Ground & Vacant land area: 2.40 acre
Water Bodies area: 0.02 acre
Departments: 15 (Post Graduate & Under Graduate)
Laboratories: 24
Students: 2906
Teaching & Non-teaching staff: 102



Meeting with Hon'ble Principal

About the College :

Jhargram Raj College is situated at the town of Jhargram, the District Head Quarters of the newly created District of Jhargram. The area is a place of natural beauty. The college is set in a campus of 57.76 acres of land amid the serene and verdant forests of primordial trees such as Mahua, Sal, Piasal etc. It has registered a spectacular growth over the years since its inception. Before the partition of 1947, the only agricultural college of the then undivided Bengal was in Dhaka which after partition became the capital of the then East Pakistan. The need for an agricultural college in West Bengal was felt and discussed in academic as well as administrative spheres of the state. In 1949, the young Raja of Jhargram, Raja Sir Narasingha Malla Ugal Sanda Deb, OBE, KBE, at the request of Pramathanath Banerjee, the then Vice Chancellor of Calcutta University, made a request of Rupees One Lakh in cash and 317 acres of land for the first agricultural college of West Bengal at Jhargram. The Raja was once a pupil of Professor Pramathanath Banerjee at Presidency College. Thus, a teacher-student endeavor resulted in the establishment of the college in Jhargram with a view to spread education in a backward and predominantly tribal area. The Khaira Professor of Agriculture Dr Pabitra Kumar Sen who was the first principal of the college, helped with the Khaira Endowment Fund.

The building was started to be raised in 1951 and Jhargram Agricultural College was promoted to the degree standard with a two-years' B.Sc. course. However, Calcutta

University could not meet the financial requirements for long and in 1953 the college was handed over to the Government of West Bengal with the teaching of Agriculture retained only up to the I.Sc. standard and teaching of B.Sc. in Agriculture was taken over by the Government Agricultural College at Tollygunge, Calcutta. The land donated by the Raja of Jhargram became government land and much of it was put to use for various government purposes. The college retained about 57.76 acres of land.

Since its inception, as a premier college of the Jungle Mahal, the mission of the college has been the empowerment of the under-privileged. Founded on the 1st of July in 1949 as Jhargram Agricultural College, Jhargram Raj College grew into a hallowed centre of higher learning, offering to the undergraduate students a whole array of subjects from three disciplines of Arts, Commerce and Science. Initially affiliated to the University of Calcutta, the college came under affiliation of Vidyasagar University in 1985. In 1999, the college celebrated the completion of 50 years of its glorious existence. In 2005, the college introduced its first Postgraduate course in Chemistry. Gradually, Postgraduate courses in Zoology and Bengali also came into being from 2006 and 2008, respectively. Different minor and major research projects funded by different government agencies are carried out by the faculty members of various departments of the college. The faculties regularly participate in seminars, workshops etc. and their research papers are regularly published in reputed journals and periodicals. These activities lead to involve and motivate the students, especially those who are pursuing postgraduate courses in this college, to a research career. In its sixty-eight years of existence, the college has witnessed the changes with time and it has been prepared accordingly to cope with the changes and offer better education to its students. Many of the alumni of the college are at the top positions of various government and non-government organisations. Many are reputed academicians. Many have made names in the field of art, music, literature etc. While the college takes pride in them, it busies itself with the duty of grooming the present students and looks forward to a brighter future for the coming generations.

General Information :

Total area of the college campus – 20 acres,
Building area: 1.45 acres,
Green & Vegetated area: 15.95 acres.
Play Ground & Vacant land area: 2.40 acre
Water Bodies area: 0.02acre
Departments: 15 (Post Graduate & Under Graduate)
Laboratories: 24
Students: 2906
Teaching & Non-teaching staff:102
Others stakeholder: 25
Total Stake holders: 3033
Auditorium /Seminar hall:01
Hostels: 03
Hostel students: 142
Staff Quarters-12

Table 1 Area Coverage of the College Campus

Area Coverage of College Premises:	Area in Percentage
Building and Construction	7.25
Vegetation Cover	79.73
Playground and Fallow land	12.00
Water Bodies	0.02

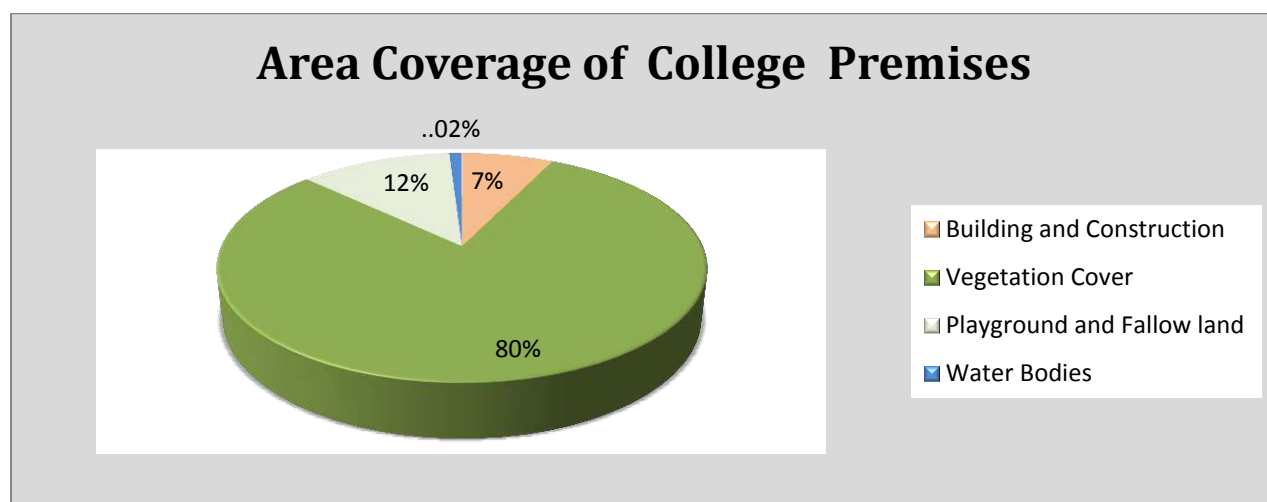


Fig. 1 Area Coverage of College Premises



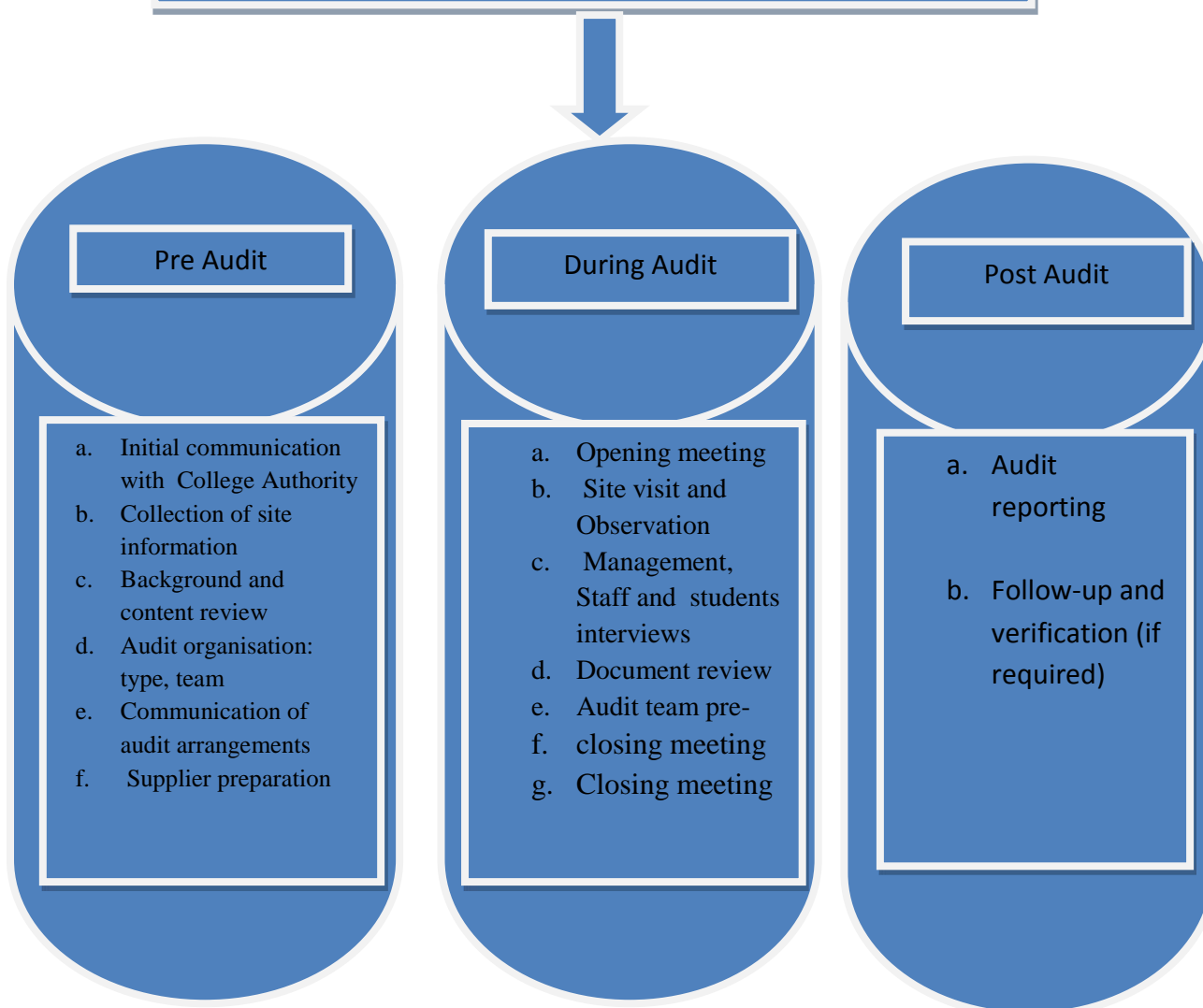
Canteen



Ladies Hostel

CHAPTER – 2.0 METHODOLOGY AND SURVEY SCHEDULES

Flow Chart of Methodology for Auditing



2.1 ADVANTAGES OF ENERGY AUDIT:

- To develop to more efficient resource management
- To provide basis for improved sustainability
- To create a GHG free campus
- Recognize the cost saving methods through Energy minimizing and Managing
- Energy auditing should become a valuable tool in the management and monitoring of environmental and sustainable development Programs of the College

2.2 SITE VISIT :

College and its premises were visited and analyzed by the audit-teams several times to gather information. Campus trees were counted and identified. Medicinal garden, play grounds, canteen, library, All Department, office rooms, Hostels, Guest House, Staff Quarter and parking grounds were also visited to collect data. Number and type of vehicles used by the stakeholders were counted and fuel consumption for each vehicle was verified with the user. Number of LPG cylinders used in labs, canteen and hostel kitchen were also counted. Leakage of a few water taps and over flow tanks were noticed during the site inspection.

2.3 QUESTIONNAIRE FOR ENERGY AUDIT:

Survey Form for data collection

1. List ways that you use energy in your College. (Electricity, electric stove, kettle, microwave, LPG, firewood, Petrol, diesel and others).
2. Electricity bill amount for the last three year
3. Amount paid for LPG cylinders for last one year
4. Also mention the amount spent for petrol/diesel/ others for generators?
5. Are there any energy saving methods employed in your College? If yes, please specify. If no, suggest some.
6. How much money does your College spend on energy such as electricity, gas, etc. in a month.
7. How many CFL bulbs has your College installed? Mention use (Hours used/day for how many days in a month)
8. Energy used by each bulb per month? (for example- 60 watt bulb x 4 hours x number of bulbs = kwh).
9. How many LED bulbs are used in your College ? Mention the use (Hours used/day for how many days in a month)
10. Energy used by each bulb per month? (kwh).
11. How many incandescent (tungsten) bulbs have your College installed?
12. Mentions use (Hours used/day for how many days in a month)
13. Energy used by each bulb per month? (kwh).
14. How many fans are installed in your College ? Mention use (Hours used/day for how many days in a month)
15. Energy used by each fan per month? (kwh)
16. How many air conditioners are installed in your College? Mention use (Hours used/day, for how many day in a month)
17. Energy used by each air conditioner per month? (kwh).
18. How much electrical equipment including weighing balance are installed your College?
19. Mention the use (Hours used/day for how many days in a month)
20. Energy used by each electrical equipment per month? (kwh).
21. How many computers are there in your College ? Mention the use (Hours used/day for how many days in a month)
22. Energy used by each computer per month? (kwh)

23. How many photocopiers are installed by your College? Mention use (Hours used/day for how many days in a month).
24. How many cooling apparatuses are installed in your College? Mention use (Hours used/day for how many days in a month)
25. Energy used by each cooling apparatus per month? (kwh) Mention use (Hours used/day for how many days in a month)
26. Energy used by each photocopier per month? (kwh) Mention the use (Hours used/day for how many days in a month) how many inverters your College installed? Mention use (Hours used/day for how many days in a month)
27. Energy used by each inverter per month? (kwh)
28. How many electrical equipment are used in different labs of your College? Mention the use (Hours used/day for how many days in a month)
29. Energy used by each equipment per month? (kwh)
30. How many heaters are used in the canteen of your College? Mention the use (hours used per day for how many days in a month)
31. Energy used by each TV per month? (kwh)
32. Any other item that uses energy (Please write the energy used per month) Mention the use (Hours used per day for how many days in a month)
33. Are any alternative energy sources/nonconventional energy sources employed / installed in your College? (photovoltaic cells for solar energy, windmill, energy efficient stoves, etc.,) Specify.
34. Do you run 'switch off drills at College?
35. Are your computers and other equipment put on power-saving mode?
36. Does your machinery (TV, AC, Computer, weighing balance, printers, etc.) run on standby mode most of the time? If yes, how many hours?
37. What are the energy conservation methods adapted by your College?
38. How many boards displayed for saving energy awareness?



CHAPTER 3.0 : AUDIT STAGE

3.1 CAMPUS OBSERVATION AND ENQUIRY

Energy audit forms part of a resource management process. Although they are individual events, the real value of energy audits is the fact that they are carried out, at defined intervals, and their results can illustrate improvement or change over time. Eco-campus concept mainly focuses on the efficient use of energy, pollution and also economic efficiency. All these indicators are assessed in process of Energy Auditing of educational institute". Eco-campus focuses on the reduction of contribution to emissions, procure a cost effective and secure supply of energy, encourage and enhance energy use conservation, promotes personal action, reduce the institute's energy and integrate environmental considerations into all contracts and services considered to have significant environmental impacts.

The Audit covered the following major areas:

1. Sources of Energy
2. Consumption of Energy
3. Cost of Energy
4. Measurement of Emission of GHGs
5. Energy Efficiency and Energy Management

3.2 GROUPING AND STRATEGY

The following groups were formed with specific target areas and end users assigned.

Group 1: Lighting and fans in Main building, Library

Group 2: Lighting and fans in Departments (all departments, offices, class rooms and labs)

Group 3: Lighting common area – Covering Street lights, corridors, grounds

Group 4: Lighting and fans in boys Hostels

Group 5: Lighting and fans in Girls Hostels, Canteen and Staff Quarters

Group 10: Enquiry of total energy cost from the Office

Group 11: Water Pumps in the entire campus & Benchmarking of electricity consumption

The groups are allowed the use of various measuring instruments to assist in the auditing activity. Also, cooperation of the Electrical Maintenance Section was sought to collect past data and for taking measurements.



Campus Observation and Enquiry

3.3 Energy Efficiency and Energy Management:

a	Energy sources	Sources of Energy: Conventional Electricity, LPG Gases, Diesel, Petrol and Non –conventional Solar energy
b.	Energy consumption	<p>The useable energy is Conventional and Non-Conventional energy. The used Electricity energy is 97016 units which costing is Rs.509334/-. About 5% energy is Non-conventional energy which is contributed from Solar Power.</p> <p>The Maximum energy is consumed for Light & Fan and Computer Section amounting to 68% of total consumption.</p>
c.	Usage of LPG	It has been observed that LPG gas cylinders are used in Hostel, Canteen & Laboratories (310PC/year) for cooking and other purpose. There are Green generators used in the premises.

Table-4 Source of Energy in Percentage

Source of Energy	In Percentage
Conventional	95
Non -Conventional	5

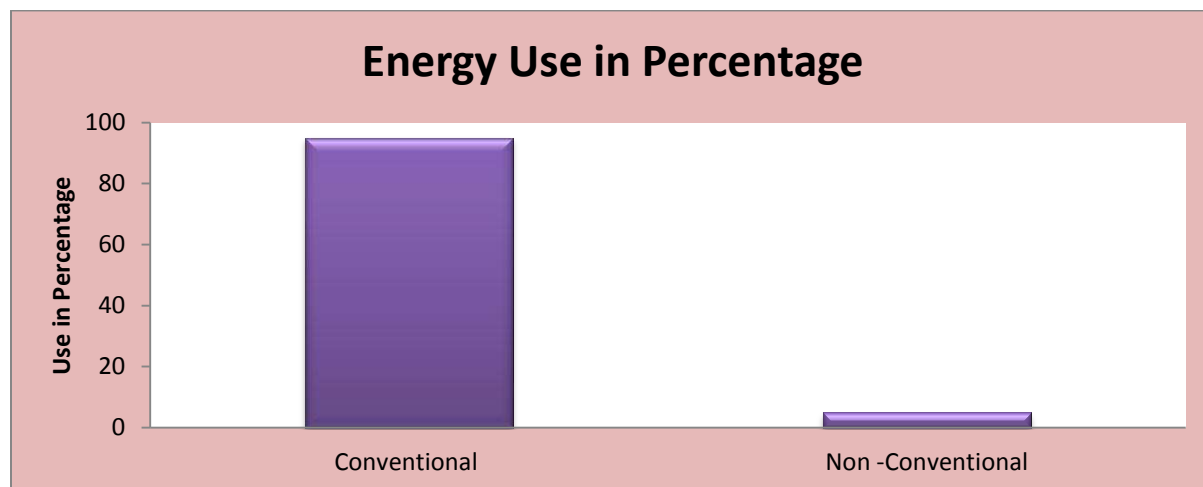


Fig. 3 Use of Energy in Percentage



Source of Convectional Energy



Source of Non Convectional Energy

Table-5 Energy Consumption in different Purpose in Percentage

Energy Consumption in different Purpose	In Percentage
Light and Fans	48
Computer and Laptop	20
AC	16
Pump	7
Others	9

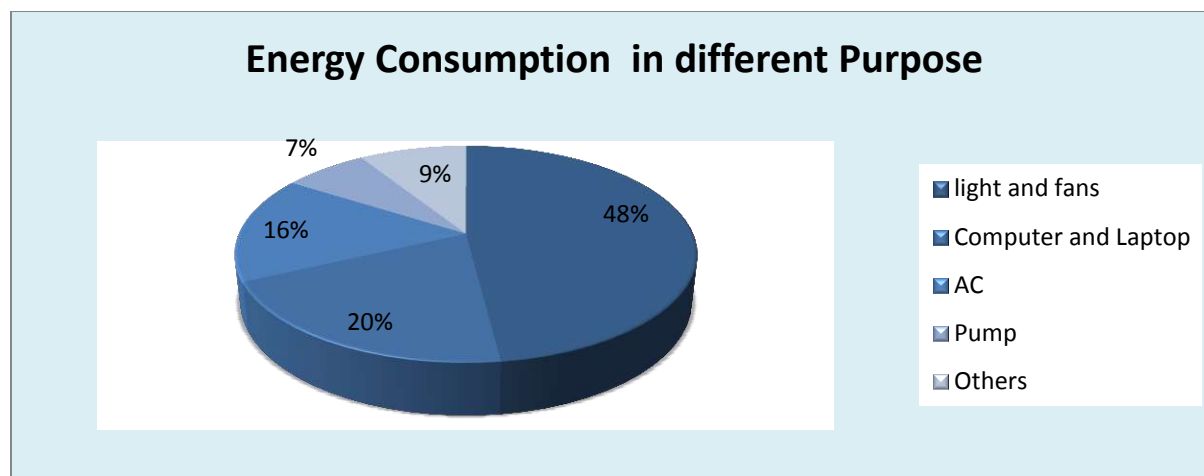


Fig. 4 Percentage of Energy Consumption in different Purpose

3.3 ENQUIRY OF DIFFERENT SOURCES OF ENERGY :

Recommendations:

- I. a) Installation of automatic lights with sensors can be considered.
- II. b) Standard Operation Procedures (SOPs) should be prepared and followed for green purchasing wherein equipment's with star rating; those using eco-friendly materials; those with safe disposal policy or return to supplier after unused, can be considered.
- III. c) Notices/ signage can be put up/ displayed near switches and on notice boards, informing students and staff to switch off all Departments & Sectors when not in use.
- IV. d) Use of large percentage renewable energy should be considered.
- V.

b. Energy-

- a) ❖ Electricity Consumption – 97016 Unit (Conventional). Rs.576000/- Per Year
- b) Conventional energy- 59077 Unit
- c) Nonconventional energy-9600Unit (Production Capacity)
- d) Payable cost of electricity – Rs.576000/- Per Year
- ❖ Fossil fuel consumption per Year:
 - a. Number of Gas cylinders used for cooking purpose(Hostels& Canteen) – 294PC
 - b. Number of Gas cylinders used in Chemistry Laboratory - 16PC
 - c. Diesel used for green Generator- 100 liter
- ❖ Number of Green Generators - 2 Unit
- ❖ Cost of fuel for Generator – Rs. 9000/-year

Energy consumption in different purpose, 2022-23		
1.	Lights & Fans	46567.68 unit
2.	Air Condition	15522.56 unit
3.	Lifting of water(HP pump)	6791.12unit
4.	Computer & Dept. Lab	19403.2 unit
5.	Others(CCTV,TV, water cooler & others)	8731.44 unit



Lifting of water(HP pump)



Street Lights

CHAPTER 4.0 POST AUDIT STAGE

4.1 ENERGY COST SUMMARY

- ❖ Electricity Consumption – 97016 Unit Unit (Conventional). Rs.576000/- Per Year
 - a) Conventional energy- 59077 Unit
 - b) Nonconventional energy-9600Unit (Production Capacity)
 - c) Payable cost of electricity – Rs.576000/- Per Year
- ❖ Fossil fuel consumption per Year:
 - d) Number of Gas cylinders used for cooking purpose(Hostels& Canteen) – 294PC
 - e) Number of Gas cylinders used in Chemistry Laboratory - 16PC
 - f) Diesel used for green Generator- 100 liter
- ❖ Number of Green Generators - 2 Unit
- ❖ Cost of fuel for Generator purpose – Rs. 9000/-year

4.2 CONCLUSION AND RECOMMENDATIONS

- Most of the time, all the tube lights in a class room are kept **ON**, even though, there is sufficient light level near the window opening.
- In such cases, the light row near the window may be kept **OFF**.
- All projectors to be kept OFF or in idle mode if there will be no presentation slides.
- All computers to have power saving settings to turn **off** monitors and hard discs, say after 10 minutes/30 minutes.
- All Class Rooms and labs to have Display Messages regarding optimum use of electrical appliances in the room like lights, fans, computers and projectors.
- Installation of more solar panels and other renewable energy sources.
- Conduct more save energy awareness programs for students and staff.
- Replace old computers and LED monitors.
- More energy efficient fans, tubes and bulb should be replaced.
- Observe a power saving day every year.
- Automatic power switch off systems may be introduced.

4.3 ENERGY CONSERVATION PROPOSALS

Providing Energy Saver Circuit to the Air Conditioners: The energy saver circuits for the air conditioners, intelligently reduces the operating hours of the compressors either by timing or temperature difference logic without affecting the human comfort. This can save around 15% to 30% of the electricity depending on the weather conditions and temperature settings. There are total 7 split type air conditioners. It is Recommended that the old air conditioners are being replaced with new energy efficient BEE STAR labeled (3 Star and

above) air conditioners in a phased manner. Considering the average compressor ON Time, 5h/day

Proposal for Air Conditioner-

- kWh/day/ air conditioner Yearly operating days = 160 days/year/ air conditioner
- Yearly electricity consumption = 97016 Unit (Conventional). Rs.734854/- Per Year
- Air Condition= 36000 unit/ year
- Considering a saving of 15%, total annual savings = 15% X 36000 unit/ year
= 5400 kWh/year/ air conditioner which Cost of electricity is about Rs. 40878/-/year
- Yearly savings = Rs. 40878/-/year for air conditioners

GREEN AND ENVIRONMENTAL AUDIT REPORT

(2022-2023)



JHARGRAM RAJ COLLEGE
JHARGRAM, WEST BENGAL

CONSULTRAIN MANAGEMENT SERVICES,
LAKE ROAD, KOLKATA

TROPICAL INSTITUTE OF EARTH AND
ENVIRONMENTAL RESEARCH (TIEER),
MEDINIPUR

CONSULTRAIN MANAGEMENT SERVICE
Lake Road, Kolkata, West Bengal, India



TROPICAL INSTITUTE OF EARTH AND
ENVIRONMENTAL RESEARCH (TIEER)

Reg. No. S/1L/42578 of 2006-07
Office address: M-10, Bidhannagar, Medinipur-721101, W.B., India

GREEN AUDIT CERTIFICATE

Academic Year: 2022-2023

This is to certify that Jhargram Raj College, Jhargram, West Bengal has good and healthy eco-friendly environment created for saving Earth and Nature. Tropical Institute of Earth and Environmental Research associated with Consultrain Management Service are satisfied after Green Audit with moral support of Honorable Principal, IQAC Team, Staff and Students for academic year 2022-2023. This efforts taken by Faculties and Students towards environment and sustainable are highly appreciable and commendable.

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(Dr. Pranab Sahoo)
Asst. Professor &
Secretary, TIEER

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ISO-Auditor & CEO, CMS

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Expert & Member, TIEER

CONSULTRAIN MANAGEMENT SERVICE
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ACKNOWLEDGEMENT

We, The Environment Audit Team thank the management of Jhargram Raj College for assigning us such an important work on Green & Environmental audit. We appreciate the cooperation to our team for the assigned study, giving us necessary inputs to carry out audit activities.

Our special thanks to:

- ❖ Principal of the College
- ❖ IQAC Members
- ❖ Teaching & supporting staff

AUDIT EXPERT MEMBERS

The Committee members are listed below:

SL. No.	NAME	DESIGNATION	AREA IN INTEREST
1.	Dr. Binoy Kr. Chanda	President, TIEER & Former IC, VU	Environment Science & Climatology
2.	Dr. Pranab Sahoo	Secretary, TIEER & Assistant Professor and HOD, Dept of Geography, S.B. Mahavidyalaya, Kapgari	Climate Change and Environment Management and Biogeography
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5.	Dr. Chandan Karan	Faculty, Dept. of Geography, S.B. Mahavidyalaya, Kapgari	Land use Survey, Ecology and Map Designer
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10.	Sri Soumitra Patra	M.Tech in Agriculture and surveyor	Micro irrigation technology and water management
11.	Mrs Sumita Swar	Surveyor and Expert ENVS	Waste and Environment Management

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1.0 INTRODUCTION :

The word “Green” means ecofriendly and produce better environment. Green and environmental Audit is a process of systematic, documented, periodic and objective evaluation of components of environmental diversity with the aim of ensuring readiness in eco-friendly environment and conservation of natural resources in its operations. The process starts with systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of the college. Green auditing is a means of assessing environmental performance. Green audit is a valuable means for a College to determine how and where they are using the most energy or water or other resources; the College can then consider how to implement changes and make savings. It can create healthy consciousness and promotes environmental awareness, values and ethics.



Entrance of Jhargram Raj College premises

1.1 Goals & Objectives:

It aims to analyse environments within and outside of the concerned area, which will have an impact on the eco-friendly atmosphere. It provides staff and students better understanding of Resource management on their area of work.

The Main Objectives of Carrying of Green Environmental Audit:

- To ensure the performance of the Institution with respect to environmental activities they are involved in, in compliance with existing laws and regulations
- To locate the Green area and the Geographical location of the College – aerial view
- To document the floral and faunal diversity of the College
- To develop and follow the waste management system
- To reduce the energy consumption of the Institution
- To report the expenditure on green initiatives, carbon foot print
- To record the air, water quality of the Institution
- To conserve the natural resources

Areas of Concern:

- WATER MANAGEMENT
- WASTE MANAGEMENT
- AIR QUALITY AND CARBON FOOTPRINT
- ENERGY MANAGEMENT
- BIODIVERSITY



This Audit has been conducted by a Committee constituted by the Experts & Scientists from different reputed Institutes. The Committee developed a questionnaire for audit based on the regulatory and statutory requirements of Centre as well State. The basic data was gathered and compiled, which the committee analyzed. By and large, the audit reveals a healthy environment inside the Jhargram Raj College campus. The committee has suggested short term as well as long-term suggestions for improved environmental conditions to a higher levels and authorities and all stakeholders of the College conforms that they will give due attention and utilize opportunities for identified improvements.

1.2 About the College :

Jhargram Raj College is situated at the town of Jhargram, the District Head Quarters of the newly created District of Jhargram. The area is a place of natural beauty. The college is set in a campus of 57.76 acres of land amid the serene and verdant forests of primordial trees such as Mahua, Sal, Piasal etc. It has registered a spectacular growth over the years since its inception.

Before the partition of 1947, the only agricultural college of the then undivided Bengal was in Dhaka which after partition became the capital of the then East Pakistan. The need for an agricultural college in West Bengal was felt and discussed in academic as well as administrative spheres of the state. In 1949, the young Raja of Jhargram, Raja Sir Narasingha Malla Ugal Sanda Deb, OBE, KBE, at the request of Pramathanath Banerjee, the then Vice Chancellor of Calcutta University, made a request of Rupees One Lakh in cash and 317 acres of land for the first agricultural college of West Bengal at Jhargram. The Raja was once a pupil of Professor Pramathanath Banerjee at Presidency College. Thus, a teacher-student endeavor resulted in the establishment of the college in Jhargram with a view to spread education in a backward and predominantly tribal area. The Khaira Professor of Agriculture Dr Pabitra Kumar Sen who was the first principal of the college, helped with the Khaira Endowment Fund.

The building was started to be raised in 1951 and Jhargram Agricultural College was promoted to the degree standard with a two-years' B.Sc. course. However, Calcutta University could not meet the financial requirements for long and in 1953 the college was handed over to the Government of West Bengal with the teaching of Agriculture retained only up to the I.Sc. standard and teaching of B.Sc. in Agriculture was taken over by the Government Agricultural College at Tollygunge, Calcutta. The land donated by the Raja of Jhargram became government land and much of it was put to use for various government purposes. The college retained about 57.76 acres of land.

Since its inception, as a premier college of the Jungle Mahal, the mission of the college has been the empowerment of the under-privileged. Founded on the 1st of July in 1949 as Jhargram Agricultural College, Jhargram Raj College grew into a hallowed centre of higher learning, offering to the undergraduate students a whole array of subjects from three disciplines of Arts, Commerce and Science. Initially affiliated to the University of Calcutta, the college came under affiliation of Vidyasagar University in 1985. In 1999, the college

celebrated the completion of 50 years of its glorious existence. In 2005, the college introduced its first Postgraduate course in Chemistry. Gradually, Postgraduate courses in Zoology and Bengali also came into being from 2006 and 2008, respectively. Different minor and major research projects funded by different government agencies are carried out by the faculty members of various departments of the college. The faculties regularly participate in seminars, workshops etc. and their research papers are regularly published in reputed journals and periodicals. These activities lead to involve and motivate the students, especially those who are pursuing postgraduate courses in this college, to a research career. In its sixty-eight years of existence, the college has witnessed the changes with time and it has been prepared accordingly to cope with the changes and offer better education to its students. Many of the alumni of the college are at the top positions of various government and non-government organisations. Many are reputed academicians. Many have made names in the field of art, music, literature etc. While the college takes pride in them, it busies itself with the duty of grooming the present students and looks forward to a brighter future for the coming generations.



Conversation between Audit Team & Principal, Jhargram Raj College

Vision & Mission of the College :

Since its inception, the mission of Jhargram Raj College has been the empowerment of the under-privileged. The college has been serving the districts of undivided Medinipur and the greater portions of Manbhum (comprising of the districts of Purulia and Bankura). Trees, shrubs and bushes and, hills and hillocks amidst a red earth and, the tribes living here are what distinguish this area from other parts of the state. Jhargram Raj College pays homage to Henry Vivian Louis Derozio as well as to Pandit Raghunath Murmu. Both strived for quest of knowledge and both inspired students to ask questions and look for the truth. Jhargram Raj College welcomes ideas, inventions and, innovations.

Jhargram Raj College being a government college offering quality education programmes at UG as well as a few PG levels takes a special place in the area. Many students of this college come from extremely poor families and under-privileged sections of the society and, are often the first-generation learners. Their requirements are quite different from that of the students belonging to middle class and comparatively well-to-do families. To achieve what is required of it, Jhargram Raj College functions accordingly to impart good and quality education in particular and contribute towards social welfare in general.

General Information :

Total area of the college campus – 20 acres,(Fenced)

Building area: 1.45 acres,

Green & Vegetated area: 15.95 acres.

Play Ground & Vacant land area: 2.40 acre

Water Bodies area: 0.02 acre

Departments: 15 (Post Graduate & Under Graduate)

Laboratories: 24

Students: 2906

Teaching & Non-teaching staff: 102

Others stakeholder: 25

Total Stake holders: 3033

Auditorium /Seminar hall:01

Hostels: 03. Studens-142

Staff Quarter : 12

Gymnasium Hall: 01

Table 1 Area Coverage of the College Campus

Area Coverage of College Premises:	Area in Percentage
Building and Construction	7.25
Vegetation Cover	79.75
Playground and Fallow land	12.00
Water Bodies	1.00

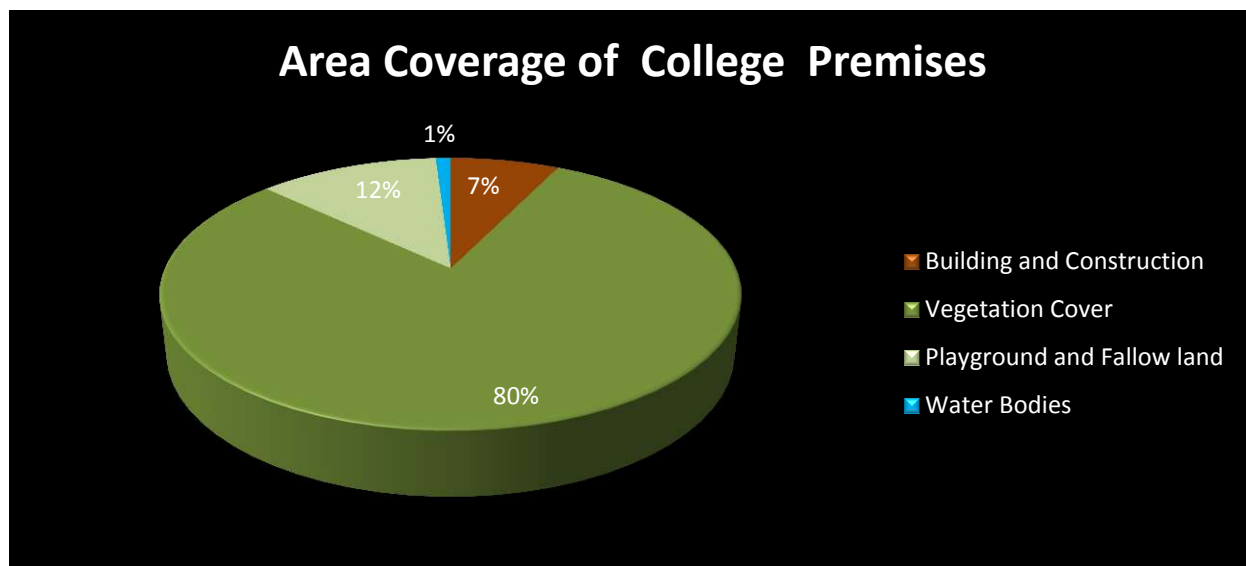


Fig. 1 Area Coverage of College Premises

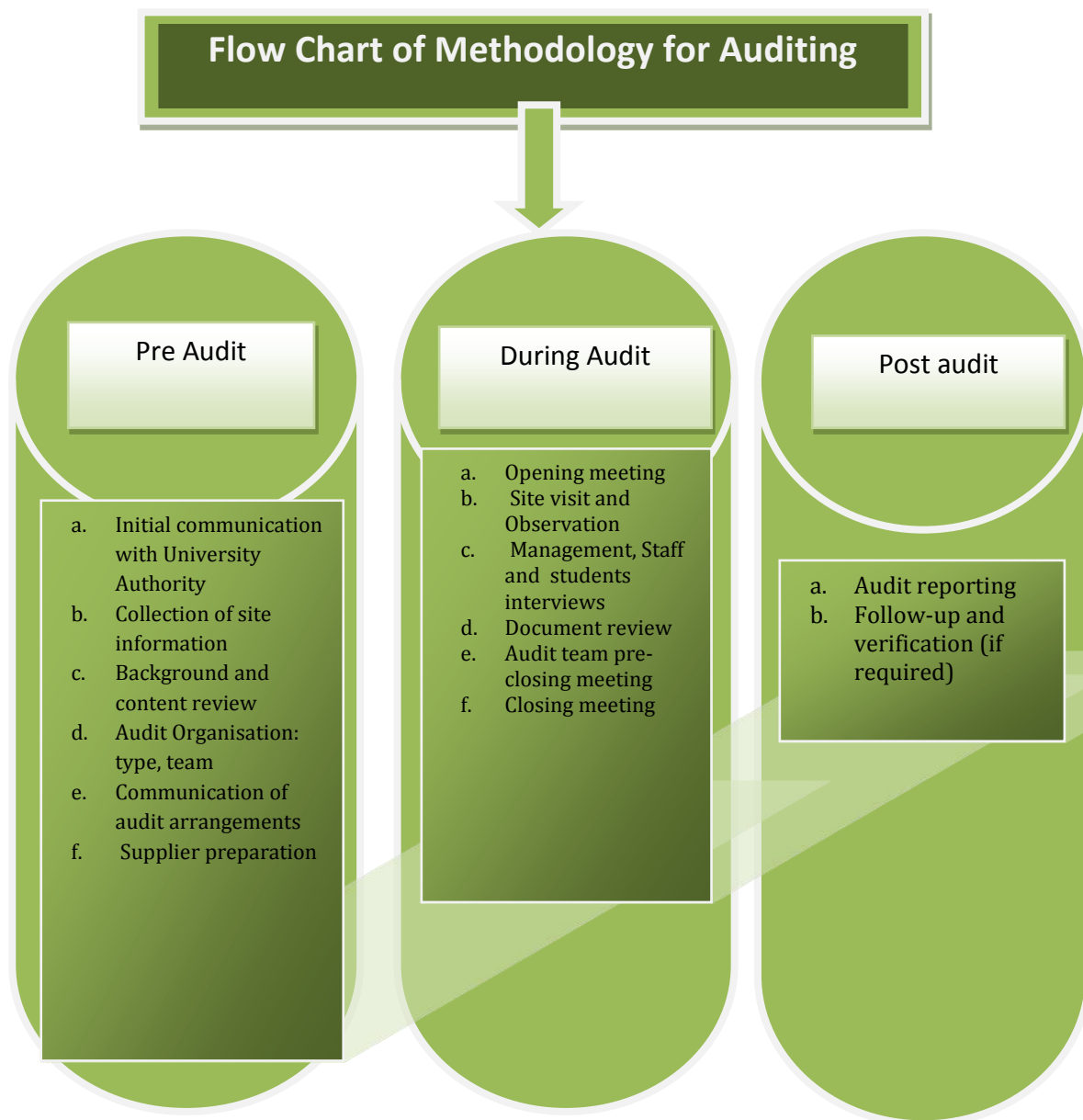
1.3 Purpose of Green and Environmental Auditing:

- To provide basis for improved sustainability
- To create a green campus
- To enable waste management through reduction of waste generation, solid- waste and water recycling
- To promote plastic free campus and evolve health consciousness among the stakeholders
- To recognize the cost saving methods through waste minimizing and managing
- To empower the organizations to frame a better environmental performance
- To develop an environmental ethics and values systems in youngsters.
- To establish valuable tools and methods for managing and monitoring of environmental and sustainable development programs.

2.0 PRE-AUDIT STAGE:

2.1 Methodology and Survey Schedules:

The methodology is adopted for this assessment by collecting the information by onsite visit, group discussion, campus survey, enquiry, observation. Perception study and opinion survey are also included in the Auditing Report.



2.2 Site Visit:

1. College and its premises were visited and analyzed by the audit-teams several times to gather information.
2. Campus trees were counted and identified.
3. Medicinal garden, play grounds, canteen, library, All Department, office rooms, Hostels, Canteen and parking grounds were also visited to collect data.
4. Number and type of vehicles used by the stakeholders were counted and fuel consumption for each vehicle was verified with the user.
5. Number of LPG cylinders used in labs, canteen and hostel kitchen were also counted.
6. Water taps were checked. Leakage of a few water taps and over-flow tanks were noticed during the site inspection.

Following steps were taken for data collection:

- Survey to each Department, Laboratories, Library, Canteen etc.
- Data collected by observation and interview.
- Assessment of the environmental condition through measurement



2.3 Survey & Data Collection:

- A Questionnaire was developed covering all aspects of Green and Environment aspects for collection of data.
- Arrangement of Drone survey was made available to cover every corner of the college and its neighborhood areas.
- Data Analysis - Calculation of energy consumption, analysis of water reused, waste generation & disposal arrangements.
- Recommendation - On the basis of results of data analysis and observations, some steps for reducing power consumption, water consumption, waste management etc. were recommended.

We have discussed and interacted with different groups like teachers, students and staff to identify the attitudes and awareness towards environmental issues at the institutional, district, national and global level. Data and information were also collected from utility bills, reuse of water, waste management, use of energy-saving devices and e-waste. This information was added to the carbon footprint data, generating a fairly clearer picture of the emissions and impact of the reduction measures undertaken.



Survey Team

3.0 AUDIT STAGE :

3.1 Campus Survey and Enquiry:

Green and Environmental audit forms part of a resource management process. Total area including neighborhoods was surveyed using Drone and the data derived from this survey was detailed in our report.

Eco-campus concept mainly focuses on the reduction of contribution to emissions, on the efficient use of energy and water; Minimize waste generation or pollution and also economic efficiency. All these indicators are assessed in process of "Green Auditing of educational institute". Covered areas included in this green auditing are water, energy, air quality & carbon footprint, waste, biodiversity campus.

The Audit covered the following major areas:

1. Water Efficiency and Water Management
2. Energy Efficiency and Energy Management
3. Air Quality and Carbon foot print and Management
4. Waste and Waste Management
5. Biodiversity and Green Zone and management



Class room and Laboratory visit

Table-2 Total Stakeholders of the College

Students -	2906 persons
Teaching, Non-teaching and Other Stakeholders	102 persons
Total	3008 persons
Approximate no of visitor (per day)-	25 persons

3.2 Water Efficiency and Water Management :

The concerned auditor investigates the relevant method that can be adopted and implemented to balance the demand and supply of water and also proper water management practices along with rooftop rain water harvesting system must be installed in whole campus for recharging ground water and meeting part of the water requirements. It is therefore essential that any environmentally responsible institution examine its water use and Re-use practices.

a	Usage of water	That water is use for Drinking, Washing, Cleaning, Cooking, Bathing and gardening purpose. The maximum water is use for Bathing and washroom in the college. About 27000 Litre water has been consumed for that purpose.
b.	Total Consumption of water	About 60000Litre water per day
c.	Water wastage	The leakage and misuse of water is about 500Litre in whole campus. Small drip from a leaky tap, sewage water from pan in toilets and over flow can waste significant amount of water per day.
d	Surface water Harvesting	The Micro surface water bodies are available in college campus..

Table-3 Use of water in Different Purpose of College Premises

Use of water in Different Purpose Per Day	Use in Percentage
Bathing and washroom	45.00
Cooking and Cleaning	17.00
Drinking	18.00
Grading	12.00
Others	8.00

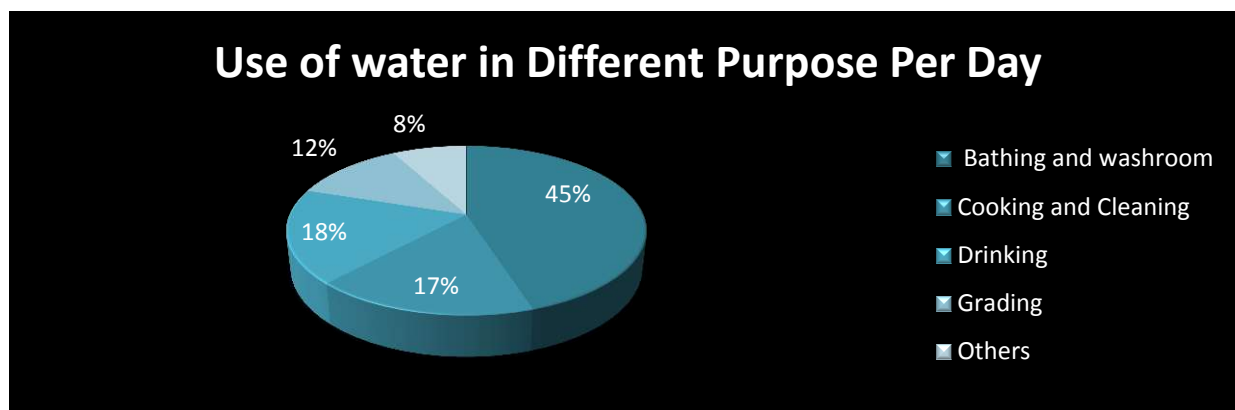


Fig.2 Use of water in Different Purpose Per Day

Sl. No.	Factors	Weightage
1	Quality of Water	H
2	Re-use of water	L
3	Water Harvesting & Recharge	M
4	Use of Surface Water	L

* H denote- Taken management policy level above 60%

** M denote- Taken management policy level 40%-60%

*** L denote-Taken management policy level below 40%

Recommendation

Water conservation faucets in washrooms were not seen. Installation of such faucets can save water and will help in minimising the water footprint of the institute. Sanitary wastewater generated from washrooms is connected to sewerage system.



Micro Surface water body

3.3 Energy Efficiency and Energy Management:

a	Energy sources	Sources of Energy: Conventional Electricity, LPG Gases, Diesel, Petrol and Non –conventional Solar energy
b.	Energy consumption	The useable energy is Conventional and Non-Conventional energy. The used Electricity energy is 97016 units which costing is Rs.509334/-. About 5% energy is Non-conventional energy which is contributed from Solar Power. The Maximum energy is consumed for Light & Fan and Computer Section amounting to 68% of total consumption.
c.	Usage of LPG	It has been observed that LPG gas cylinders are used in Hostel, Canteen & Laboratories (310PC/year) for cooking and other purpose. There are Green generators used in the premises.

Table-4 Source of Energy in Percentage

Source of Energy	In Percentage
Conventional	95
Non -Conventional	5

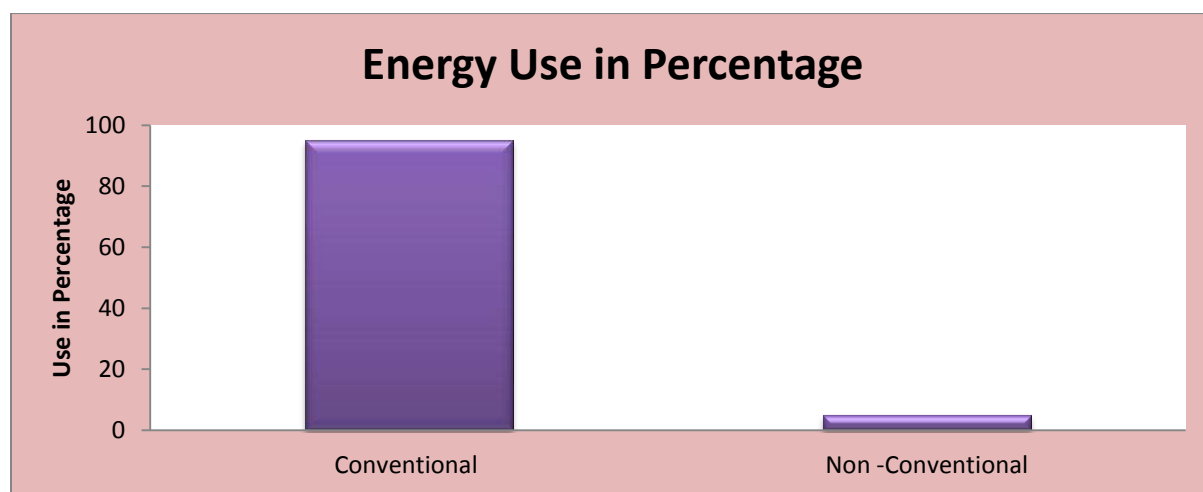


Fig. 3 Use of Energy in Percentage



Source of Convective Energy



Source of Non Convective Energy

Table-5 Energy Consumption in different Purpose in Percentage

Energy Consumption in different Purpose	In Percentage
Light and Fans	48
Computer and Laptop	20
AC	16
Pump	7
Others	9

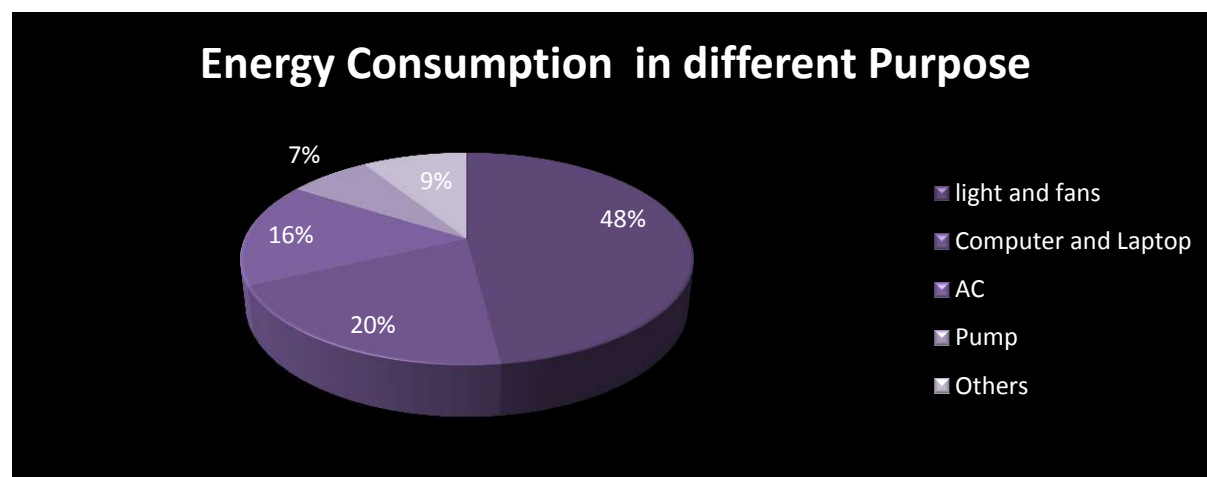


Fig. 4 Percentage of Energy Consumption in different Purpose

3.4 Air Quality and Carbon Footprints :

Commutation of stakeholders has an impact on the environment through the emission of greenhouse gases into the atmosphere consequent to burning of fossil fuels (such as petrol, Diesel, LPG Gas). The most common greenhouse gases are Carbon Dioxide, CFC, water vapor, methane, nitrous oxide and ozone. Of all the greenhouse gases, carbon dioxide is the most leading greenhouse gas, comprising about 214ppm (2022) to the Earth's atmosphere. It undertakes the measure of bulk of carbon dioxide equivalents exhaled by the organization through which the carbon accounting is done. It is observed that the Outdoor air quality is Fresh and comfortable for breathing to human life.

Table-6 Amount of CO₂ (ppm) in different location of the College Campus

Different location of the College Premises	Amount of CO ₂ (ppm)
Principal Office	490
Administrative Office	480
Head Clark office	470
Girls Hostel	400
Canteen	425
Chemistry Lab	440
Computer Lab	470
Play Ground	400
Outdoor	400

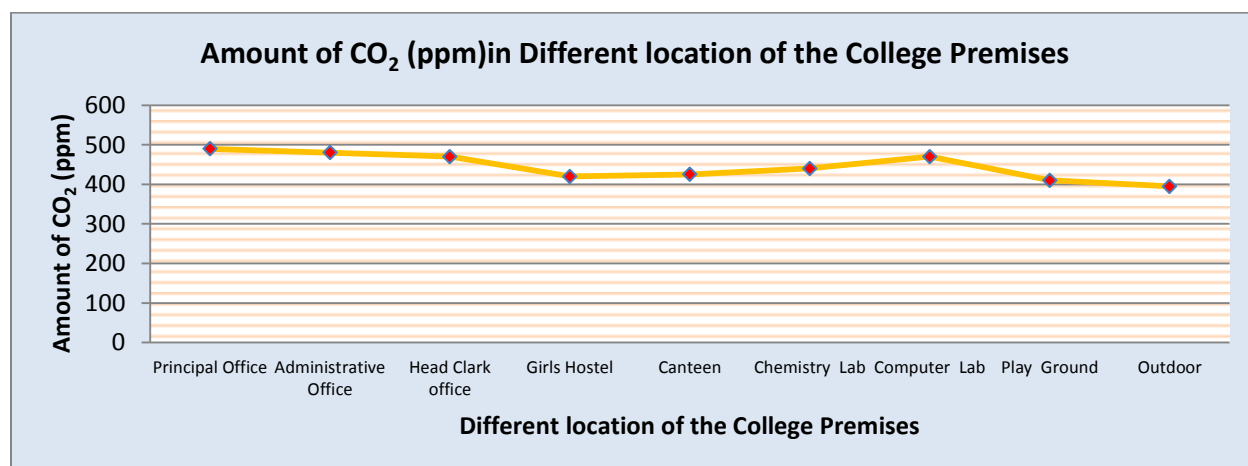


Fig. 5 Amount of CO₂ (ppm) in Different Location of the College Premises

Table-7 Amount of CO₂ (ppm) in the air in different location(College Campus) session 2022-2023

Amount of CO ₂ (ppm) in the Air in Different places of the College Premises	Amount of CO ₂ (ppm)
Outdoor	400
Indoor (Class room)	420
Indoor (Laboratories)	440

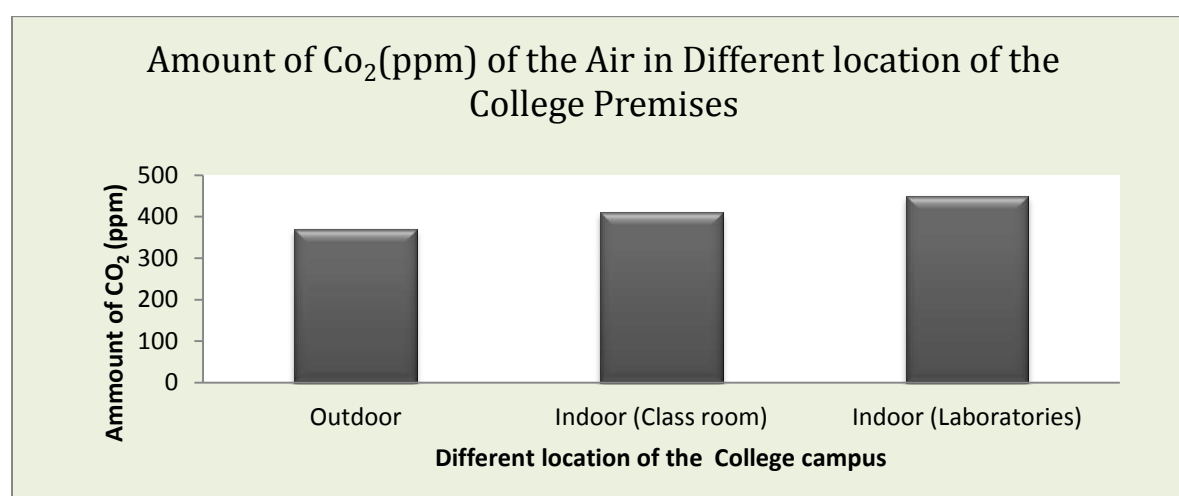


Fig. 6 Amount of Co₂(ppm) of the Air in Different location of the College Premises

Recommendation:

- Ventilation is achieved by fans in the institute and air conditioners in Official and Lab. places.
- Heating Ventilation and Air Conditioning (HVAC) system is not installed.
- No indoor plants were observed in the entire institute. Indoor plants can be plotted not only for the aesthetic appearance but also for health benefits.



Indoor Air Quality Assessment

3.5 Generation of Waste and Waste Management:

Waste (or wastes) is useless or unusable materials or components which are discarded after principal use. Sometimes, it is a defective article and of no use. In modern outlook waste may be a valuable substance subject to an appropriate operation or action on the waste. With the context of waste management RRR (Reduce, Reuse and Recycle) model may be followed in appropriate fashion.

The auditor diagnoses the prevailing waste disposal policies and suggests the best way to combat the problems. It is therefore essential that any environmentally responsible institution examine its waste processing practices. Keeping the objective of the audit the following study will be limited to the waste generated in an academic campus and surroundings.

Table-8 Types of wastes

Type of Wastage in Per Day	Amount in Kg
Degradable	90
Non degradable	10

The following categories of wastes are generated in the College campus:

a) Solid waste - Waste generated through paper, plastic packaging causes nuisance. Some wastes are generated after various experiments, primarily, chemistry laboratory; broken test tube, glassware are the example.

b) Liquid waste - There are bio-chemical wastes generated through various chemical reactions and biological processes. Generally, these are being drained to nearby Surface water bodies contaminating water and soil. Appropriate means is suggested to adopt scientific liquid waste management practices. These are neutralization, bacterial control, and natural control through plantation.

Table-9 Source of Wastage in Different Sector (per day in Kg)

Source of Wastage in Different Sector(per day in Kg)	Degradable wastage Amount in Kg.	Non Degradable wastage Amount in Kg.
Hostels	60	1
Canteen	10	0.5
Office	5	0.5
Laboratories	3	0.5
Forest and Garden	12	0.2
Others	4	.5

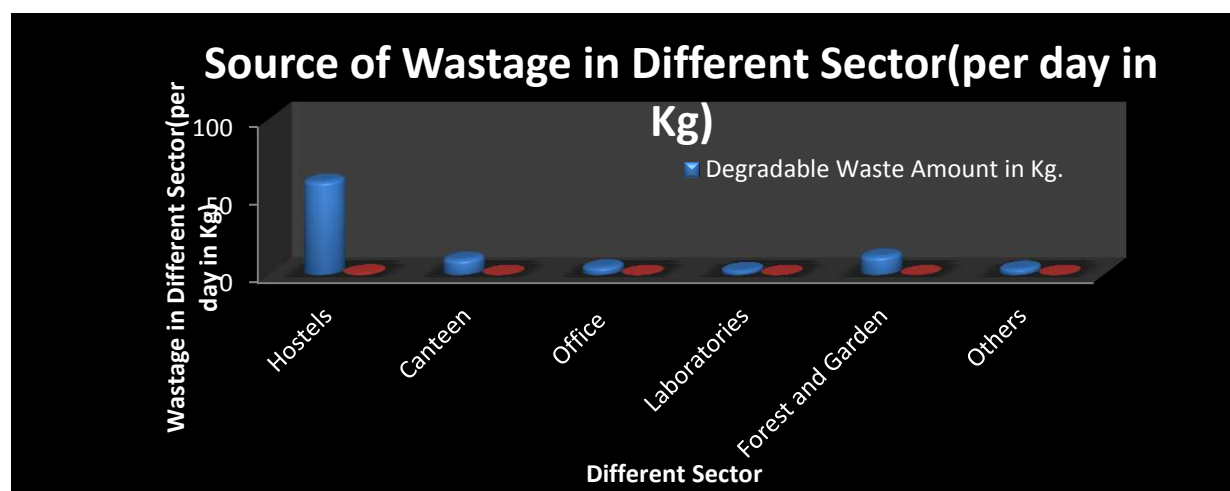


Fig. 9 Source and Amount of Wastage in Different Sector (per day in Kg)



Audit of Wastage management status in Different Sector

The following are being emphasized during audit of waste management:

- Name of the waste
- Category of waste
- Quantity of waste
- Hazardous effect of the waste
- Institutional action and mechanism for waste management

Compliance audit of waste issues:

At the present stage the institute is capable in managing their waste. They are complying with the essential requirements of waste management although suggestions are given for future improvements.

Performance Audit of Waste Issues:

No critical audit issue is there with respect to the waste management.

Implemented wastes management		
Sl.no	Factors/Indicators	Weightage
1	Plastic and Polythene free	M
2	Re-use of papers	H
3	Hazardous effect waste management	M
4	Removal of E-Wastes	M
5	Organic & food waste	H
6	Others solid wastes	M

* H denote- Taken management policy level above 60%

** M denote- Taken management policy level 40%-60%

*** L denote-Taken management policy level below 40%



Awareness Slogan in college premises

3.6 Auditing for Biodiversity & Green Campus Management:

Unfortunately, biodiversity is facing serious threats from habitat loss, pollution, over consumption and invasive species. Species are disappearing at an alarming rate and each loss affects nature's delicate balance and our quality of life. In one year, a single mature tree will absorb up to pounds of Carbon dioxide from the atmosphere, and release it as Oxygen. The amount of oxygen that a single tree produces is enough to provide one day's supply of oxygen for people. So while you are busy studying and working on earning those good grades, all the trees on campus are also working hard to make the air cleaner for us. Trees on our campus impact our mental health as well; studies have shown that trees greatly reduce stress, which a huge deal is considering many students are under some amount of stress.

About 13% area is under greenery and biodiversity zone and 14% area is water bodies' also wet land. Biodiversity includes the genetic variability and diversity of life forms such as plants, animals, microbes etc. living in a wide range of ecosystems. Flora and fauna of College campus in Bajkul Milani Mahavidyalaya premises is rich.

Table 10 Area Coverage of the College Campus

Area Coverage of College Premises:	Area in Percentage
Building and Construction	7.25
Vegetation Cover	79.75
Playground and Fallow land	12.00
Water Bodies	1.00

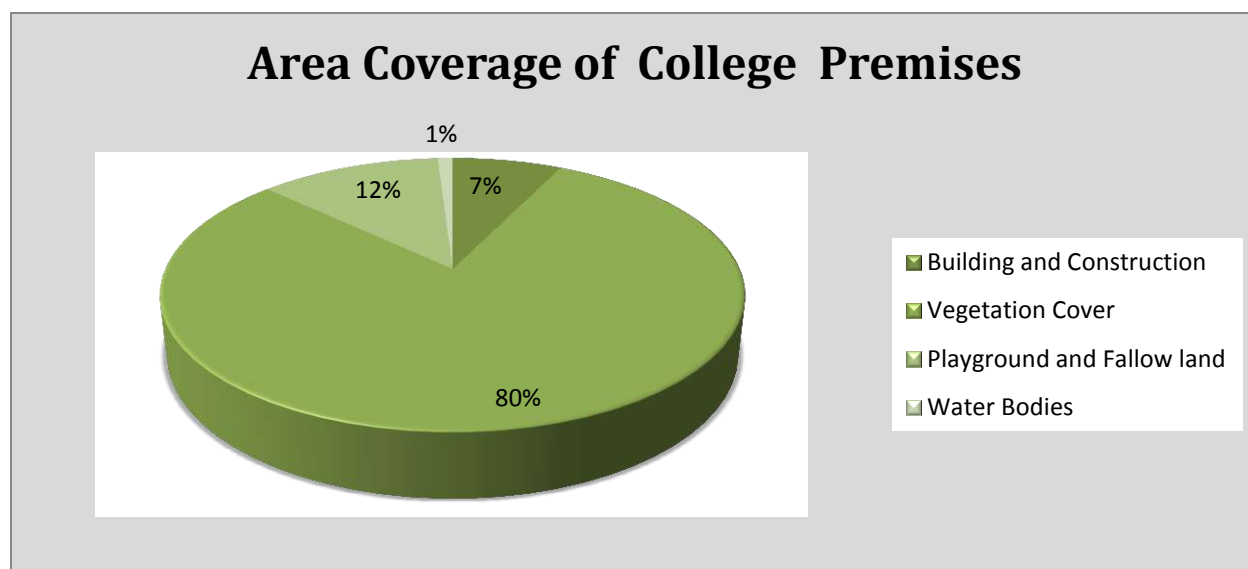


Fig. 10 Area coverage of the College Premises

Biodiversity Study:

Plant diversity – The campus of Jhargram Raj College is lush green and surrounded by large **Sal** (*Shorea robusta*) trees. There are three different types of buildings like Academic buildings, Ladies Hostel and Boys' hostel building. Rest of the lands are covered by sal trees and other large trees like Mango, Mohua etc. (*Mangifera indica*, *Bassia latifolia* etc.). Cuban royal palm (*Roystonea regia*) trees are found in front side of the academic buildings, which are making a nice scenic beauty. Large mango trees (GBH – 335cm, 450cm etc.) are found here and there on east and south side of the academic building and within the campus of ladies hostel. One medicinal plant garden entitled Sibkali Bhattacharya Herbal Garden is situated between two academic buildings, which needed restoration (Table -2). Small patches of plantation of different fruit yielding trees are found in front of ladies hostel (Table – 3). There was a kitchen garden also found in front of Boy's hostel (Table-4). The north side of the academic building is surrounded by large Sal, Neem (*Azadirachta indica*), Gulmohor (*Delonix regia*), Debdaru (*Polyalthia longifolia*), Simul (*Bombax ceiba*), Haritaki (*Terminalia chebula*), etc. trees.

According to Champion and Seth, 1983, The forest surrounded by the Jhargram town is Dry Deciduous Sal Forest. The campus is representing such forest type. For quick ecological and vegetation study, Transact and quadrat methods are taken. Here length of transact was 30m. The plant diversity study has been done through quadrat method. One set of quadrats has been laid in the main campus. For this purpose a standard method has been followed i.e. 10m x 10m for trees, 5m x 5m for shrubs and 1m x 1m for herbs. Data of quadrat is given below (Quadrat – 1).

It has been found from the study that there are approximately 37 tree species, 44 shrubs, 57 herbs and three species of gymnosperm (Table-1a, 1b, 1c, 1d and Fig.-1). The dominant species is Sal here. Sal associates are *Croton oblongifolia*, *Combretum roxburghii* are available here like a natural forest.

There is one medicinal plant garden entitled Sibkali Bhattacharya Herbal Garden within the college campus (Table-2). Beside this there are 23 plants with medicinal value. The garden is very resourceful and planted in proper way. Plants like *Hemidesmus indicus*, *Adhatoda vasica*, *Aloe vera*, *Aristolochia indica*, *Asparagus racemosus*, *Cissus quadrangularis*, *Curcuma caesia* etc. are planted.

A fruit yielding plantation area found surrounding the ladies hostel (Table-3). There are 20 different species of fruit plants. Species like *Aegle marmelos*, *Annona squamosa*, *Artocarpus heterophylla*, *Averrhoa carambola*, *Carica papaya*, *Dillenia indica*, *Grewia asiatica* etc. are planted.

Within the area of Boy's hostel a small kitchen garden is seen. Different seasonal varieties of vegetable plants are found. Plants like *Alocasia esculanta*, *Basella rubra*, *Capsicum annuum*, *Solanum melongena* etc. are planted.

There are small surrounded areas for plantation of ornamental or flowering plants (Table-5). Seasonal flowering plants are planted here. Plants like *Tectona grandis*, *Canna indica*, *Duranta repens*, *Euphorbia milii*, *Tagetes spatula* etc. are available now.

From Quadrat study two girth classes of trees are calculated (Table-6). From this data Carbon sequestration potential of trees have been calculated. It is found that from above ground biomass of trees stocked **4135.5kg.** of carbon within a quadrat, which is a large amount.

One Haritaki (*Terminalia chebula*) tree is growing here is huge large (GBH – 135cm and Height – 10.5 m) in size. This is very rare in this region. *Rowvolfia serpentina* is another rare shrub with medicinal value (Reserpin alkaloid) is growing here naturally.

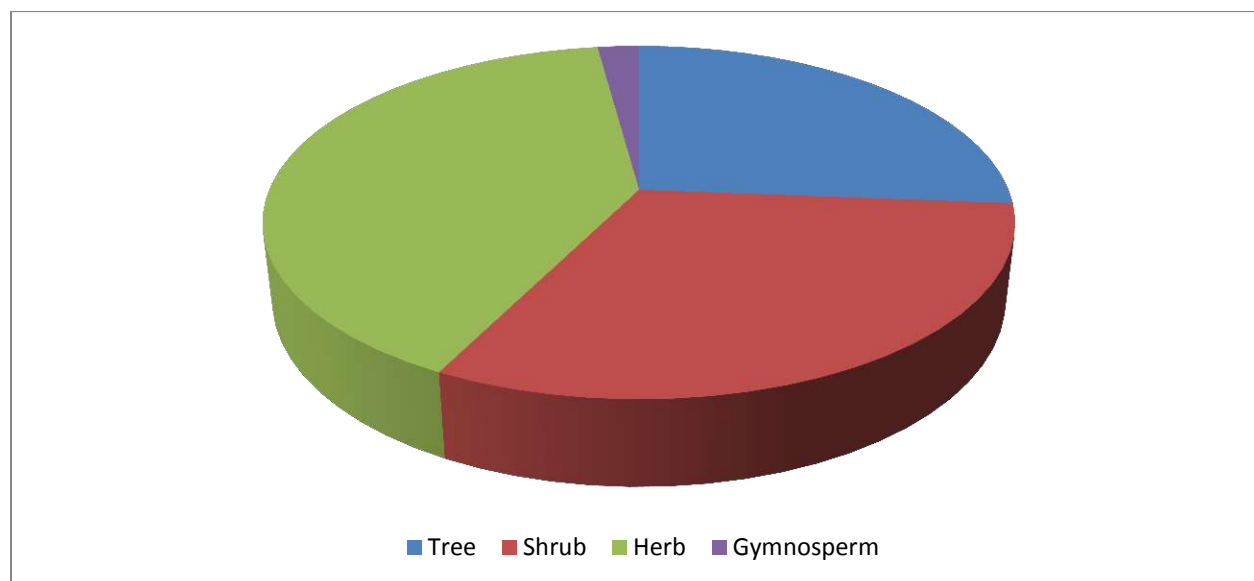


Fig. – 1: Plant composition of Jhargram Raj College



Biodiversity observation in College Premises

Table -1a: Available Tree species within the college campus

Sl. No.	Scientific name	Family
1	<i>Albizia lebbbeck</i> (L.) Benth.	Fabaceae
2	<i>Alstonia scholaris</i> (L.) R. Br.	Apocynaceae
3	<i>Araucaria araucana</i> (Molina) K.Koch	Araucariaceae
4	<i>Artocarpus heterophyllus</i> Lam.	Moraceae
5	<i>Azadirachta indica</i> A.Juss.	Meliaceae
6	<i>Bombax ceiba</i> L.	Malvaceae
7	<i>Callistemon viminalis</i> (Sol. Ex Gaertn.) G.Don	Myrtaceae
8	<i>Carissa carandas</i> L.	Apocynaceae
9	<i>Casuarina equisetifolia</i> L.	Casuarinaceae
10	<i>Dalbergia sisso</i> DC.	Fabaceae
11	<i>Diospyros melanoxylon</i> Roxb.	Ebenaceae
12	<i>Eucalyptus globules</i> Labill.	Myrtaceae
13	<i>Gmelina arborea</i> Roxb.	Lamiaceae
14	<i>Lagerstroemia speciosa</i> (L.) Pers.	Lythraceae
15	<i>Magnolia champaca</i> L.	Magnoliaceae
16	<i>Malvastrum</i> sp	Malvaceae
17	<i>Mangifera indica</i> L.	Anacardaceae
18	<i>Mimusops elengi</i> L	Sapotaceae
19	<i>Murraya paniculata</i> (L.) Jack	Rutaceae
20	<i>Nerium indicum</i> Mill.	Apocynaceae
21	<i>Peltophorum pterocarpum</i> (DC.) K.Heyne	Fabaceae

22	<i>Phoenix dactylifera</i> L.	Aracaceae
23	<i>Phoenix roebelenii</i> O'Brien	Aracaceae
24	<i>Psidium guajava</i> L.	Myrtaceae
25	<i>Pterocarpus marsupium</i> Roxb.	Fabaceae
26	<i>Roystonea regia</i>	Arecaceae
27	<i>Santalum album</i> L.	Santalaceae
28	<i>Shorea robusta</i> Gaertn. f.	Dipterocarpaceae
29	<i>Swietenia mahagoni</i> (L.) Jacq.	Meliaceae
30	<i>Tecoma gaudichaudii</i> DC	Bignoniaceae
31	<i>Tectona grandis</i> L.f.	Lamiaceae
32	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Combretaceae
33	<i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn.	Combretaceae
34	<i>Terminalia chebula</i>	Combretaceae
35	<i>Thevetia peruviana</i> (pers.) Merrill	Apocynaceae
36	<i>Thuja orientalis</i> L.	Cupressaceae
37	<i>Ziziphus mauritiana</i> Lam.	Rhamnaceae

Table -1b: Available Shrub species within the college campus

Sl. No.	Scientific name	Family
1	<i>Agave angustifolia</i> Haw.	Asparagaceae
2	<i>Agave sisalana</i> Perrine	Asparagaceae
3	<i>Aristolochia indica</i> L.	Aristolochiaceae
4	<i>Asparagus racemosus</i> Willd.	Asparagaceae
5	<i>Asparagus setaceus</i> (Kunth) Jessop	Asparagaceae
6	<i>Bougainvillea glabra</i> Comm. Ex Juss	Nyctaginaceae
7	<i>Caladium bicolor</i> (Aiton) Vent.	Aracaceae
8	<i>Calotropis procera</i> (Aiton) Dryand.	Asclepiadaceae
9	<i>Calotropis gigantea</i> (L.) Dryand.	Apocynaceae
10	<i>Canna indica</i> L.	Cannaceae
11	<i>Cissus quadrangularis</i> L.	Vitaceae
12	<i>Citrus limetta</i> Risso	Rutaceae
13	<i>Clerodendrum indicum</i> (L.) Kuntze	Lamiaceae
14	<i>Croton oblongifolia</i>	Euphorbiaceae
15	<i>Datura stramonium</i> L.	Solanaceae
16	<i>Datura suaveolens</i> f. <i>albidoflava</i> (Lem.) Voss	Solanaceae
17	<i>Dracaena reflexa</i> Lam.	Asparagaceae
18	<i>Duranta erecta</i> L.	Verbenaceae
19	<i>Eupatorium odoratum</i> L.	Asteraceae
20	<i>Euphorbia milii</i> Des Moul.	Euphorbiaceae
21	<i>Holarrhena antidysenterica</i> (L.) Wall.	Apocynaceae
22	<i>Hydrocotyle sibthorpioides</i> Lam.	Araliaceae
23	<i>Ixora coccinea</i> L.	Rubiaceae
24	<i>Jatropha gossypifolia</i> L.	Euphorbiaceae
25	<i>Kalanchoe pinnata</i> (Lam.) Pers.	Crassulaceae

26	<i>Lantana camara</i> L.	Verbenaceae
27	<i>Mentha spicata</i> L.	Lamiaceae
28	<i>Mikania scandens</i> (L.) Wild.	Asteraceae
29	<i>Mimosa pudica</i> L.	Fabaceae
30	<i>Mirabilis jalapa</i> L.	Nyctaginaceae
31	<i>Mussaenda erythrophylla</i> Schumach. & Thonn.	Rubiaceae
32	<i>Ocimum canum</i> Sims.	Lamiaceae
33	<i>Ocimum sanctum</i> L.	Lamiaceae
34	<i>Opuntia dillenii</i> (Ker Gawl.) Haw.	Cactaceae
35	<i>Pedilanthus tithymaloides</i> (L.) Poit.	Euphorbiaceae
36	<i>Pteris vittata</i> L.	Pteridaceae
37	<i>Rauvolfia serpentina</i> (L.) Benth. ex Kurz	Apocynaceae
38	<i>Sansevieria cylindrica</i> Bojer ex Hook.	Asparagaceae
39	<i>Sansevieria roxburghiana</i> Schult. & Schult.f.	Asparagaceae
40	<i>Tephrosia purpurea</i> (L.) Pers.	Fabaceae
41	<i>Thunbergia mysorensis</i> (Wight) T.Anderson	Acanthaceae
42	<i>Tradescantia pallida</i> (Rose) D.R. Hunt	Commelinaceae
43	<i>Tylophora indica</i> (Burm. f.) Merr.	Apocynaceae
44	<i>Vanda roxburghii</i> R.Br.	Orchidaceae

Table -1c: Available Herb species within the college campus

Sl. No.	Scientific name	Family
1	<i>Acalypha indica</i> L.	Euphorbiaceae
2	<i>Aerva lanata</i> (L.) Juss.	Amaranthaceae
3	<i>Aerva sanguinolenta</i> (L.) Blume	Amaranthaceae
4	<i>Ageratum conyzoides</i> L.	convolvulaceae
5	<i>Aloe vera</i> (L.) Burm.f.	Asphodelaceae
6	<i>Alternanthera sessilis</i> (L.) R.Br.ex DC.	Amaranthaceae
7	<i>Bambusa spinosa</i> Roxb.	Poaceae
8	<i>Barleria lupulina</i> Lindl.	Acanthaceae
9	<i>Begonia rex</i> Putz.	Begoniaceae
10	<i>Belamcanda chinensis</i> (L.) DC.	Iridaceae
11	<i>Boerhavia diffusa</i> L.	Nyctaginaceae
12	<i>Chrysopogon zizanioides</i> (L.) Roberty	Poaceae
13	<i>Codiaeum variegatum</i> (L.) Rumph. ex A.Juss.	Euphorbiaceae
14	<i>Coleus blumei</i> Benth.	Lamiaceae
15	<i>Coleus forskohlii</i> (Willd.) Briq.	Lamiaceae
16	<i>Cordyline fruticosa</i> (L.) A.Chev.	Asparagaceae
17	<i>Cordyline terminalis</i> (L.) Kunth	Asparagaceae
18	<i>Crinum latifolium</i> L.	Amaryllidaceae
19	<i>Cymbopogon citratus</i> (DC.) Stapf	Poaceae
20	<i>Cymbopogon nardus</i> (L.) Rendle	Poaceae
21	<i>Cynodon dactylon</i> (L.) Pers.	Poaceae
22	<i>Desmodium gangeticum</i> DC.	Fabaceae

23	<i>Desmodium triflorum</i> (L.) DC.	Fabaceae
24	<i>Dypsis lutescens</i> (H.Wendl.) Beentje & J.Dransf.	Aracaceae
25	<i>Ecbolium ligustrinum</i> (Vahl) Vollesen	Acanthaceae
26	<i>Eleutheranthera ruderalis</i> (Sw.) Sch.Bip.	Asteraceae
27	<i>Eragrostis tenella</i> (L.) Roem. & Schult.	Poaceae
28	<i>Euphorbia hirta</i> L.	Euphorbiaceae
29	<i>Euphorbia heterophylla</i> L.	Euphorbiaceae
30	<i>Grevillea robusta</i> A.Cunn. ex R.Br.	Proteaceae
31	<i>Hedychium coronarium</i> J.Koenig	Zingiberaceae
32	<i>Hippeastrum reginae</i> (L.) Herb.	Amaryllidaceae
33	<i>Kopsia fruticosa</i> (Roxb.) A.DC.	Apocynaceae
34	<i>Kyllinga brevifolia</i> Rottb.	Cyperaceae
35	<i>Oldenlandia corymbosa</i> L.	Rubiaceae
36	<i>Oplismenus hirtellus</i> (L.) P.Beauv	Poaceae
37	<i>Phyllanthus niruri</i>	Euphorbiaceae
38	<i>Piper betle</i> L.	Piperaceae
39	<i>Piper retrofractum</i> Vahl	Piperaceae
40	<i>Plumeria pudica</i> Jacq.	Apocynaceae
41	<i>Polyalthia longifolia</i> Sonn	Annonaceae
42	<i>Polyscias balfouriana</i> (André) L.H.Bailey	Araliaceae
43	<i>Portulaca grandiflora</i> Hook.	Portulacaceae
44	<i>Premna mollissima</i> Roth	Lamiaceae
45	<i>Rhinacanthus nasutus</i> (L.) Kurz	Acanthaceae
46	<i>Rhoeo discolor</i> (L'Hér.) Hance	Commelinaceae
47	<i>Scoparia dulcis</i> (L.) Kuntze.	Scrophulariaceae
48	<i>Sida cordifolia</i> L.	Malvaceae
49	<i>Solanum nigrum</i> L.	Solanaceae
50	<i>Solanum sisymbriifolium</i> Lam.	Solanaceae
51	<i>Spermacoce hispida</i> L.	Rubiaceae
52	<i>Stevia rebaudiana</i> (Bertoni) Bertoni	Asteraceae
53	<i>Syngonium podophyllum</i> Schott	Aracaceae
54	<i>Talinum portulacifolium</i> (Forssk.) Asch. ex Schweinf.	Talinaceae
55	<i>Tridax procumbens</i> (L.) L.	Asteraceae
56	<i>Urtica sp</i>	Asteraceae
57	<i>Vernonia cinerea</i>	Lamiaceae

Table -1d: Available Gymnosperm species within the college campus

Sl. No.	Scientific name	Family
1	<i>Cycas revoluta</i> Thub.	Cycadaceae
2	<i>Zamia furfuracea</i> L.f.	Zamiaceae
3	<i>Thuja orientalis</i>	Cupressaceae

Table – 2: List of Medicinal plants of Sibkali Bhattacharaya Herbal Garden

Sl. No.	Local Name	Scientific Name	Family
1	Basak	<i>Adhatoda vasica</i> (Nees.)	Acanthaceae
2	Apang	<i>Aerva sanguinolenta</i> (L.) Blume	Amaranthaceae
3	Ghritakumari	<i>Aloe vera</i> (L.) Burm.f.	Asphodelaceae
4	Iswarmul	<i>Aristolochia indica</i> L.	Aristolochiaceae
5	Satamul	<i>Asparagus racemosus</i> Willd.	Asperagaceae
6	Bisalyakarani	<i>Barleria lupulina</i> Lindl.	Acantahaceae
7	Lily	<i>Belamcanda chinensis</i> (L.) DC.	Iridaceae
8	Harjora	<i>Cissus quadrangularis</i> L.	Vitaceae
9	Ghentu	<i>Clerodendrum indicum</i> (L.) Kuntze	Verbenaceae
10		<i>Coleus blumei</i> Benth.	Lamiaceae
11	Kalo Halud	<i>Curcuma caesia</i> Roxb.	Zingiberaceae
12	Lemon grass	<i>Cymbopogon citratus</i> (DC.) Stapf	Poaceae
13	Citronella	<i>Cymbopogon nardus</i> (L.) Rendle	Poaceae
14	White Zinger	<i>Hedychium coronarium</i> J. Koenig.	Zingiberaceae
15	Anantamul	<i>Hemidesmus indicus</i> (L.) R.Br.	Asclepiadaceae
16	Patharkuchi	<i>Kalanchoe pinnata</i> (Lam.) Pers.	Crassulaceae
17	Pan	<i>Piper betle</i> L.	Piperaceae
18	Choi jhal	<i>Piper chaba</i> Trel. &Yunck.	Piperaceae
19	Golmorich	<i>Piper longum</i> L.	Piperaceae
20	Sarpagandha	<i>Rauvolfia serpentina</i> (L.) Benth. Ex. Kurz	Apocynaceae
21	Star goosberry	<i>Sauropus androgynus</i> (L.) Merr.	Phyllanthaceae
22	Arjun	<i>Terminalia arjuna</i> (Roxb. ex DC.) Wight &Arn.	Combretaceae
23	Antamul	<i>Tylophora indica</i> (Burm. f.)	Asclepiadaceae

		Merr.	
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Table – 3: List of fruit plants present in the campus

Sl. No.	Scientific name	Common name	Family
1	<i>Aegle marmelos</i>	Bel	Rutaceae
2	<i>Annona squamosa</i>	Ata	Annonaceae
3	<i>Artocarpus heterophylla</i>	Jack Fruit	Moraceae
4	<i>Averrhoa carambola</i>	Kamranga	Oxalidaceae
5	<i>Bassia latifolia</i>	Mahua	Sapotaceae
6	<i>Carica papaya</i>	Pepe	Caricaceae
7	<i>Citrus decumana.</i>	Batabilabu	Rutaceae
8	<i>Dillenia indica</i>	Chalta	Dilleniaceae
9	<i>Eugenia jambolana</i>	Kalojam	Myrtaceae
10	<i>Grewia asiatica</i>	Falsa	Tiliaceae
11	<i>Mangifera indica</i>	Aam	Anacardiaceae
12	<i>Mimusops elengii</i>	Bakul	Salpotaceae
13	<i>Moringa Oleifera</i>	Sajne	Moraginaceae
14	<i>Morus nigra</i>	Tunt	Moraceae
15	<i>Psidium guava</i>	Piara	Myrtaceae
16	<i>Schleichera oleosa</i>	Kusum	Sapindaceae
17	<i>Spondidas dulcis</i>	Bilati Amra	Anacardiaceae
18	<i>Syzygium samarangense</i>	Jamrul	Myrtaceae
19	<i>Tamaridus indica</i>	Tetul	Casaelpiniaceae
20	<i>Zizyphus mauritiana</i>	Kul	Rhamnaceae

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Table - 4: List of Plants of kitchen garden

Sl. No.	Scientific name	Local name	Family
1	<i>Alocasia esculanta</i>	Cochu	Araceae
2	<i>Basella rubra</i>	Pui	Basellaceae
3	<i>Capsicum annuum</i>	Lanka	Solanaceae
4	<i>Carica papaya</i>	Papaya	Caricaceae
5	<i>Cinamomum tamala</i>	Tejpata	Lauraceae
6	<i>Lycopersicum esculantum</i>	Tomato	Solanaceae
7	<i>Piper chaba</i>	Choi jhal	Piperaceae
8	<i>Solanum melongena</i>	Begun	Solanaceae

Table-5: Ornamental Plants found in the college campus

Sl. No.	Scientific Name	Family
1	<i>Aurocaria heterophylla</i>	Araucariaceae
2	<i>Cycas revolute</i>	Cycadaceae
3	<i>Murraya paniculata</i>	Rutaceae
4	<i>Roystonea regia</i>	Arecaceae
5	<i>Tabernemontana coronaria</i>	Apocynaceae
6	<i>Tectona grandis</i> L.f.	Lamiaceae
7	<i>Thuja orientalis</i>	Cupressaceae
8	<i>Zamia furfuracea</i> L.f.	Zamiaceae
9	<i>Adenium sp.</i>	Apocynaceae
10	<i>Agave Americana</i>	Asparagaceae
11	<i>Canna indica</i>	Cannaceae
12	<i>Duranta repens</i>	Verbenaceae
13	<i>Euphorbia milii</i>	Euphorbiaceae
14	<i>Hibiscus rosasinensis</i>	Malvaceae
15	<i>Rosa sp.</i>	Rosaceae
16	<i>Tagetes sp.</i>	Asteraceae

Quadrat - 1

Tree Quadrat (10m x 10m)

Sl. No.	Scientific name	GBH (in cm)	Height (in m)
1.	<i>Shorea robusta</i>	88	15
2.	<i>Shorea robusta</i>	95	14
3.	<i>Delonix regia</i>	220	17
4.	<i>Polyalthia longifolia</i>	70	11
5	<i>Shorea robusta</i>	85	19
6	<i>Shorea robusta</i>	75	17

Shrub quadrat (5m x 5m)

Sl. No.	Scientific name	Number of individuals
1.	<i>Polyalthia longifolia</i>	6
2.	<i>Croton oblongifolia</i>	4
3.	<i>Clreodendron infortunatum</i>	2
4.	<i>Streblus asper</i>	3

Herb quadrat (1m x 1m)

Sl. No.	Scientific name	Number of individuals
1.	<i>Hemidesmus indicus</i>	4
2.	<i>Desmodium triflorum</i>	2
3.	<i>Andropogon aciculatus</i>	9
4.	<i>Digitaria sanguinalis</i>	1

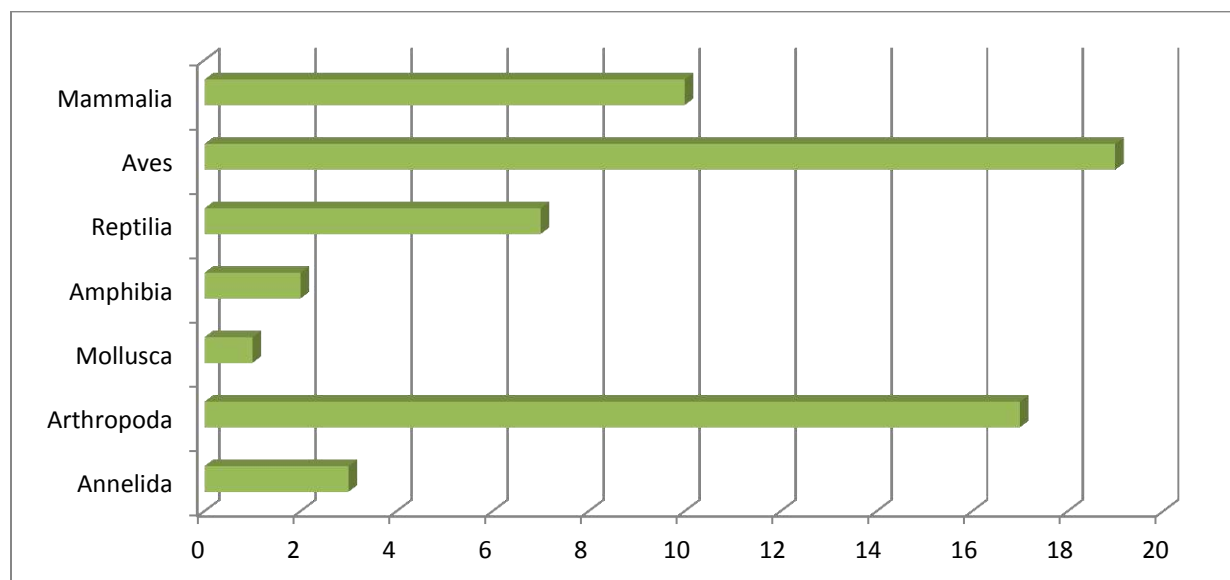
Table - 6: Carbon sequestration potential of trees of college campus

Sl. No.	GBH Class (in cm)	No. of Trees	Biomass (in Kg.)	Carbon stock (in Kg.)
1	50 – 100	5	630	315
2	225-250	1	7641	3820.5
			Total	4135.5

Faunal Diversity:

Jhargram Raj College campus is a habitat of a number of wide varieties of fauna. Different types of insects including moths, butterfly, wasp, bees, amphibian, reptilian, birds and mammals are found here. The large abandoned area of the college is creating a great habitat of different mammals also. This area is safe for animals. Members of different phylum are given in figure (Fig.-3).

Fig.-3: Comparison between different animal members of different phylum found in the campus



Phylum: Annelida

Sl. No.	Scientific name	Local name
1.	<i>Hirudinaria</i> sp	Joke
2.	<i>Pheretima</i> sp.	Kecho

Phylum: Arthropoda

Sl. No.	Scientific name	Local name
1	<i>Anopheles</i> sp	Anopilis masa
2	<i>Apis</i> sp	Moumachi
3	<i>Buthus</i> sp	Kakrabicha
4	<i>Copris lunaris</i>	Gubrepoka
5	<i>Galleria</i> sp	Moth
6	<i>Julus</i> sp	Kenno
7	<i>Lampyri noctiluca</i>	Jonaki
8	<i>Muska domestica</i>	Machi

9	<i>Nephila</i> sp	Makarsa
10	<i>Odontotermes</i> sp	Wepoka
11	<i>Oecophyllas maragdina</i>	Lalpipra
12	<i>Orthetrum</i> sp	Pharing
13	<i>Papilio</i> sp	Prajapati
14	<i>Periplaneta americana</i>	Arsola
15	<i>Schistocera gregaria</i>	Pangapal
16	<i>Scolopendra</i> sp	Tetulbicha
17	<i>Vespa orientalis</i>	Vimrul

Phylum: Mollusca

Sl. No.	Scientific name	Local name
1	<i>Acatina fulica</i>	Sthal samuk

Class : Amphibia

Sl. No.	Scientific name	Local name
1	<i>Duttaphrynusmelano stictus</i>	Kuno bang
2	<i>Rana tigrina</i>	Sona bang

Class: Reptilia

Sl. No.	Scientific name	Local name
1	<i>Ahaetullana sutas</i>	Loudaga sap
2	<i>Calottes versicolor</i>	Girgiti
3	<i>Daboia russelii</i>	Chandrabora sap
4	<i>Elachistodon westermanni</i>	Matiali sap
5	<i>Hemidactylus flaviviridis</i>	Tiktiki
6	<i>Ptyas mucosus</i>	Jamna sap
7	<i>Varanus</i> sp	Godi sap

Class : Aves

Sl. No.	Scientific name	Local name
1	<i>Acridotheres tristis</i>	Shalik
2	<i>Alcedo atthis</i>	Chotomachranga
3	<i>Amaurornis phoeniceus</i>	Dahuk
4	<i>Ardeola grayii</i>	Bak
5	<i>Athene brama</i>	Kuturpancha
6	<i>Columba livia</i>	Paara
7	<i>Copsychus saularis</i>	Doyel
8	<i>Corvus splendens</i>	Kak
9	<i>Dicrurus adsimilis</i>	Phinge
10	<i>Dinopium bengale</i>	Kat thokra
11	<i>Eudynamis scolopacea</i>	Kokil
12	<i>Merops orientalis</i>	Baspati
13	<i>Orthotomus</i>	Tuntuni
14	<i>Passer domesticus</i>	Charaipakhi
15	<i>Pittacula sp</i>	Tia
16	<i>Pycnonotus sp</i>	Bulbul
17	<i>Streptopelia chinensis</i>	Gughu
18	<i>Turdoides udatus</i>	Satbhaya
19	<i>Tyto alba</i>	Lakshmi-pancha

Class : Mammalia

Sl. No.	Scientific name	Local name
1	<i>Bandicota bengalensis</i>	Indur
2	<i>Felis chaus</i>	Katas
3	<i>Funambulus pennanti</i>	Katbirali
4	<i>Herpestes edwardsii</i>	Neul
5	<i>Mus musculus</i>	Nenhtiindur

6	<i>Pipistrellus tenuis</i>	Chamchika
7	<i>Prionailurus viverrinus</i>	Mechobiral
8	<i>Pteropus</i> sp	Badhur
9	<i>Suncus murinus</i>	Chucha
10	<i>Vulpes bengalensis</i>	Khaksial

Few suggestions for biodiversity management – The College has a lush green area with different ecological habitat for biotic components. Following suggestions are given for its better management.

- Name plates should be given to trees for their easy identification to students
- A board should be given in front of medicinal plant garden where use of every plant will be written there.
- A board should be given in front the pond where indigenous fish conservation is going on. The board will display about the type of fish conserved.
- If possible a bird watching area may be demarcated in front of hostel (North east corner of the campus)
- Rose garden may be converted to butterfly garden.

Table-17 Green Coverage of the College Premises

Green Coverage of the College Premises	Area in Percentage
Native and Natural Vegetation	65
Agro-Plants	13
Medicinal Plants	11
Plantation	7
Kitchen Garden	3

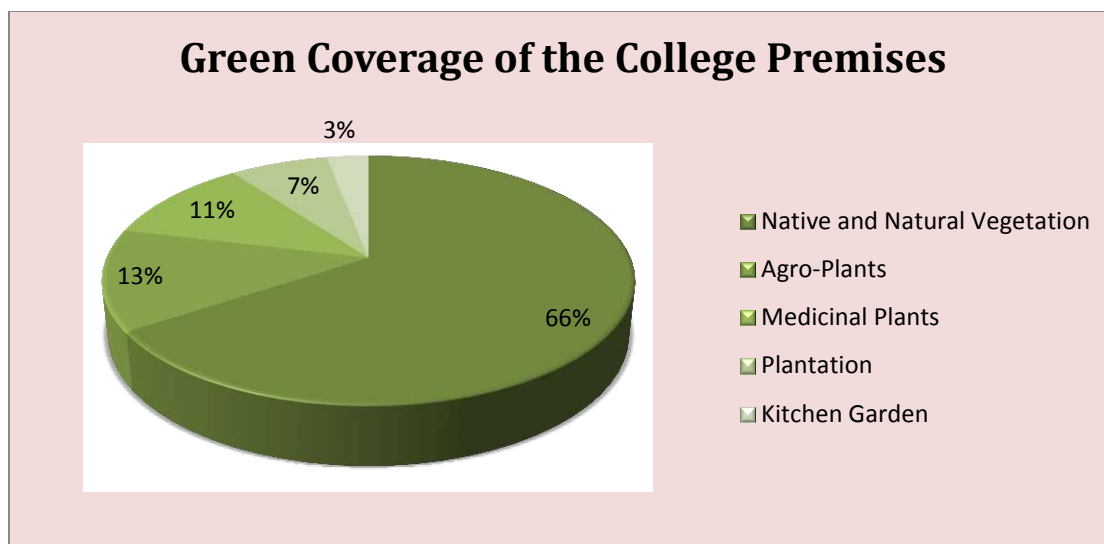


Fig. 11 Green Coverage of the College Premises





Campus visit & Biodiversity observation

Implemented Biodiversity & Green Management		
Sl. No	Factors/ Indicators	Weightage
1	Plants Diversity	H
2	Birds and Insects	H
3	Mammals	M
4	Fishes and Amphibian	L
5	Fungus & Organisms	M

* H denote- Taken management policy level above 60%

** M denote- Taken management policy level 40%-60%

*** L denote-Taken management policy level below 40%

3.7 Reviews of Documents and Records:

Documents such as admission registers, registers of Engineering and water charge remittance, furniture register, laboratory equipment registers, purchase register, audited statements, and office registers were examined and data were collected. College calendars, college magazines, annual report of the college and NAAC self-assessment reports, UGC report etc. were also verified as part of data collection.

3.8 Review of Policies:

Discussions were made with the College management regarding their policies on environmental management. Future plans of the College were also discussed. The management would formulate a revised environment/green policy for the college in the light of green auditing. The purpose of the green audit was to ensure that the practices followed in the campus are to be in accordance with the Green Policy adopted by the institution.

3.9 Interviews:

In order to collect information for green auditing different audit groups which are IQAC Cell, Dept. HOD, Teaching and non-teaching staff, students, Students Union, parents and other stakeholders of the College. Discussions were also made with the PTA office bearers to clarify doubts regarding certain points.

4.0 POST AUDIT STAGE :

4.1. Data Analysis and Assessment :

The base of any Green audit and Environmental audit is that its findings are supported by documents and verifiable information. The audit process seeks, on a sampled basis, to track past actions, activities, events, and procedures to ensure that they are carried out according to systems requirements and in the correct manner.

Although Green & Environmental audits are carried out using policies, procedures, documented systems and objectives as a test, there is always an element of subjectivity in an audit. Each of the three components are crucial in ensuring that the organization's environmental performance meets the goals set in its green policy. The individual functioning and the success of integration will all play a role in the degree of success or failure of the organization's environmental performance.

4.2 Results and Findings:

a) Water -

Water Audit and Assessment:

Sl. No.	Object and Parameter	Observation and Finding
1	Source of water	<ul style="list-style-type: none"> ➤ Underground(60000) ➤ Surface water(120litre) ➤ Surface water bodies(0.02 acre)
2	Capacity of water storage (Daily)	<ul style="list-style-type: none"> ➤ Reservoir and Overhead tanks- 106000liter ➤ Total amount of used -60000ltr ➤ Total misuse of water- 500 ltr
3	Amount of used water per day	60000 liter
4	Misuse of water in daily	Leakage, overflow and Misuse- 500 liter
5	Maximum used of water per day – Bathing and Washroom purpose	45% (27000liter)
6	Amount of water for used per day- Drinking Purpose	18% (10800 liter)
9	pH level of drinking water	7.1
10	TDS level of drinking water	70 ppm - 80ppm
11	Use of surface water	120litre

b. Energy-

- ❖ Electricity Consumption – 97016 Unit (Conventional). Rs. 734854/- Per Year
- Conventional energy- 97016 Unit
- Nonconventional energy-480 unit (Production Capacity)

d) Payable cost of electricity – 734854/- Per Year

❖ Fossil fuel consumption per Year:

a. Number of Gas cylinders used for cooking purpose(Hostels& Canteen) – 294PC

b. Number of Gas cylinders used in Chemistry Laboratory - 16PC

c. Diesel used for green Generator- 100 liter

❖ Number of Green Generators - 2 Unit

❖ Cost of fuel for Generator – Rs. 9000/-year

Energy Audit and Assessment

Sl. No.	Object and Parameter	Observation and Finding
1	Source of energy (conventional)	95%
2	Source of energy (Non-conventional)	Solar- 5%(480Unit)
3	Total consumption of Electric Power	97016 Unit
4	The maximum use of Electric Power	Conventional - 95%
5	Maximum energy consumption in the purpose	Light & Fan- 47768 unit
6	Energy Consumption in Computer & Lab.	19403.2 unit
7	No. of LPG Gas cylinder for coking purpose	294
8	No. of LPG Gas cylinder used in Laboratories	16
9	Amount of diesel used for green generator	100 liter
10	No. of Computers and use of energy	101 (151.5 Unit/Day)
11	No. of AC and use of energy	30(225 Unit/Day)

Energy consumption in different purpose, 2022-23		
1.	Lights & Fans	47768 unit
2.	Air Condition	27000 unit
3.	Lifting of water(HP pump)	6791.12 unit
4.	Computer & Dept. Lab	19403.2 unit
5.	Others(CCTV,TV, water cooler & others)	8731.44 unit

c. Wastes-

- Total Students – 2906 persons
- College staff- 102 Persons
- Other Stakeholders – 25 persons
- Total Stakeholders - 3033 persons
- Departments – 15
- Student Hostels - 03
- Canteen- 01
- Type of Wastes & Management: Biological Wastes Disposal by local authority & Bio-fertilizer Unit.
- E-wastes- computers, electrical and electronic parts – Disposal by selling
- Plastic waste- disposal by selling
- Solid wastes – Damaged furniture, Iron & Metal scraps- Disposal by Selling
- Food wastes – Waste Rice, Vegetable, Paper plates- Disposal to by local authority
- Chemical wastes – Laboratory waste treatment –Inadequate -No treatment
- Waste water – washing, urinals, and bathrooms in soak pits
- Glass waste – Broken glass wares from the labs to local authority
- Napkin & Clothes incinerators- Disposal to local authority

Waste Audit and Assessment

Sl. No.	Object and Parameter	Observation and Finding
1	Degradable waste	90(Kg/Day)
2	Non degradable	10(Kg/Day)
3	Source of waste (Organic)	Hostels, Canteen and Garden
4	Source of waste (Chemical Waste)	Zoology Lab., Chemistry Lab., Botany Lab. and Physiology lab
5	Plastic waste management	Use of separate dustbin and Established of different waste unit & Shock pit

e) Green Campus-

Green cover of the campus- 79.75% area

Free space including Playground-12% area

Crops cultivated in the campus:

Chilly, Cabbage, Tomato, Spinach, Brinjal, Cauliflower, Ladies finger, Pea and different seasons flowers are produced during different seasons in Hostels Kitchen garden and College premises area.



Study of Heritage Tree(Haritaki Tree behind the college)

Table 18 Biodiversity and Green Coverage

Sl. No.	Object and Parameter	Observation and Finding
1	Vegetation coverage area	79.75 % Area
2	Types of green coverage	<ul style="list-style-type: none"> ➤ Native and Natural Vegetation- 65 % ➤ Medicinal plants-11% ➤ Agro-plants-13% ➤ Plantation-7%
3	Different types of Animal	<ul style="list-style-type: none"> ➤ Mammals -Squirrel, Rat, Free ranging Cat, Free ranging Dog, Field Rat, Bengal Fox etc. ➤ Amphibian-Snake, Frogs ➤ Birds- Crow, Common Moyna, Pigeon, etc. ➤ Insects- Ants, Butterfly, Spider etc.
4	Biodiversity and Green Management Programme	<ul style="list-style-type: none"> ➤ Awareness program arrange by- Dept. of Zoology and Dept. of Botany among the students and Staff through the year ➤ Observation and celebration of environmental days ➤ Maintain the ponds ecosystem & fishes cultivation

Table 19 Green Coverage of the College Premises

Green Coverage of the College Premises	Area in Percentage
Native and Natural Vegetation	65
Plantation	7
Agro-Plants	13
Medicinal Plants	11
Kitchen Garden	4

f) Carbon Footprint-

- Number of Students & Staff using cycles – 80
- Number of persons using cars – 3
- Number of persons uses two wheelers – 22
- Number of students uses Buses - 750
- Number of visitors per day – 20
- Number of Students staying in the hostel – 142
- Number of Faculty and staff staying in the quarters – 02
- Average distance travelled by stake holders – 20 kms /day
- Expenditure for transportation per person per day – Rs. 40/-

4.3 SUMMARY:

- I. The installation of solar panels, Fire extinguishers training, organic vegetable cultivation, Vermi composting practices are inadequate.
- II. The College campus is plastic free and maintained the outdoor air quality.
- III. The environmental awareness initiatives are adequate..
- IV. Indoor air quality of the laboratories is very uncomfortable and inhospitable.
- V. Use of notice boards and signs are inadequate to reduce over exploitation of natural resources.
- VI. Fully carbon foot prints and wastes free zone actions should be taken to maintain this.
- VII. Rain water harvesting systems, solar power generation, Bio Gas, Re-use of water environmental education programs have to be fully explored.
- VIII. There is Nature club of the College towards its environmental performance for Community development.
- IX. Programs on green initiatives have to be increased. Campus is declared “Clean Campus”

Implemented Air Quality management		
Sl No	Indicator	Weightage
1	Carbon & Smoke free	H
2	Exhaust fans & Ventilation	M
3	Emission of GHGs	M
4	Indoor Plants	L

* H denote- Taken management policy level above 60%

** M denote- Taken management policy level 40%-60%

*** L denote-Taken management policy level below 40%

Major Audit Observations		
Sl. No	Sectors/Indicators	weightage
1	Water efficiency Audit	M
2	Energy efficiency Audit	L
3	Air Quality & Carbon foot print Audit	M
4	Wastes Audit	H
5	Green & Biodiversity Audit	H

* H denote- Taken management policy level above 60%

** M denote- Taken management policy level 40%-60%

*** L denote-Taken management policy level below 40%

4.4 Environmental Education:

The following environmental education program may be implemented in the College before the next green and environmental auditing:-

- ❖ Installation of different captions : No smoking , switch OFF light and ON after use, plastic free campus etc.
- ❖ Training programs in solid waste management, liquid waste management, setting up of medicinal plant nursery, water management, vegetable cultivation, tree planting, energy management, landscape management, and rain water harvesting and water re-use methods.
- ❖ Conduct exhibition of recyclable waste products
- ❖ Activate the nature or green clubs

- ❖ Set up Organic vegetable garden, Indigenous fish farm etc. for providing proper training to the students.

4.5 Common Recommendations

- ✓ Adopt an environmental policy for the college
- ✓ Introduce UGC Environmental Science course to all students
- ✓ Renovation of cooking system in the canteen to save gas
- ✓ Establish water, waste and energy management systems
- ✓ Establish a purchase policy for environmental friendly materials
- ✓ Conduct more seminars and group discussions on environmental education
- ✓ Students and staff can be permitted to solve local environmental problems

4.6 Criteria Wise Recommendations

Water Audit

- Drip irrigation for gardens and micro irrigation technology can be initiated.
- Establish water treatment systems.
- Remove damaged taps and install sensitive taps is possible.
- Establish the more water reuse unit in the Hostel & staff quarter's area.
- Awareness programs on water conservation to be conducted.
- Drip irrigation for gardens and micro irrigation technology can be initiated.
- Establish the re-use water management methods.
- Establish rain water harvesting systems for each building and each campus.

Energy Audit

- ✓ Replace computers and TVs with LED monitors.
- ✓ More energy efficient fans, tubes and bulb should be replaced.
- ✓ Automatic power switch off systems may be introduced.
- ✓ Employment of more solar panels and other renewable energy sources.
- ✓ Conduct more save energy awareness programs for students and staff.
- ✓ Every classroom and lab with central switch board should have a diagram linking place of tube light, fan etc. with corresponding switch. This will ensure that correct fitting is switched on/ off and can save time & unnecessary operation.
- ✓ Installation of automatic lights with sensors can be considered.
- ✓ Usage of light reflectors is recommended as the reflectors can spread light to relatively large areas.
- ✓ Notices/ signage can be put up/ displayed near switches and on notice boards, informing students and staff to switch off all Departments & Sectors when not in use.
- ✓ Use of large percentage renewable energy should be considered.

Waste Audit

- ❖ Practice of waste segregation to be initiated.
- ❖ Establish of a unit for chemical liquid wastes and Hazardous waste management
- ❖ A model Vermi composting plant to be set up in the Hostels, canteen and Quarters of Establish a Regular functional bio gas plant.
- ❖ A model solid waste treatment system to be established.
- ❖ Practice of waste segregation to be initiated.
- ❖ Establish an e-waste management unit

Green Campus Audit

- ✓ All trees in the campus should be named scientifically.
- ✓ Develop the Herbal and medicinal plants garden for large area
- ✓ Establish a butterfly park.
- ✓ Not just celebrating environment day but making it a daily habit.
- ✓ Providing funds to nature club for making campus more green
- ✓ Establish an Orchid ex-situ zone .
- ✓ Develop the Fruits trees area for Birds conservation
- ✓ Grow potted indoor plants at verandah, class rooms and Laboratories.
- ✓ Create automatic drip irrigation system during summer holidays.
- ✓ Not just celebrating environment day but making it a daily habit.
- ✓ Providing funds to nature club for making campus more green.
- ✓ Conducting competitions among departments for making students more interested in making the campus green.
- ✓ Encouraging students not just through words, but through action for making the campus green.
- ✓ Conducting competitions among departments for making students more interested in making the campus green.

Carbon footprint Audit

- ❖ Establish a more efficient cooking system to save gas.
- ❖ Establish the indoor plants in office rooms ,computer lab and other laboratories to Co₂ management.
- ❖ Providing more college bus services to the students and staff.
- ❖ Establish a system of carpooling among the staff and visitors to reduce the number of four wheelers coming to the college.
- ❖ Encourage students and staff to use cycles.
- ❖ Establish the indoor plants in office rooms ,computer lab and other laboratories to Co₂ management.



Executive Summary: 2022-23

Environmental Audit is a process of systematic, documented, periodic and objective evaluation of components of environmental diversity with the aim of safeguarding the environment and natural resources. The process starts with the systematic identification, quantification, recording, reporting and analysis of components of environmental diversity and is a means of assessing environmental performance (Welford, 2002). It aims to analyze environments within and outside of the concerned area, which will have an impact on the eco-friendly atmosphere. Green and Environmental audit is a valuable means for an institution to determine how and where they are using the most resources; the institution can then consider how to implement changes and take necessary management measures. It can create health consciousness and promote environmental awareness, values and ethics. It provides staff and students better understanding of green impact on their area of work. Environmental auditing and the implementation of mitigation measures is a win-win situation for the institution, the learners and the planet. It can also create health consciousness and promote to holistic approaches to environmental management, awareness, values and ethics. Green and Environmental auditing promote financial savings through efficiency of resource usage. It gives an opportunity for the development of ownership, personal and social responsibility for the students and teachers. If self-enquiry is a natural and necessary outgrowth of a quality education, it could also be stated that institutional self-enquiry is a natural and necessary outgrowth of a quality educational institution. Thus it is imperative that the institute evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent.

In Jhargram Raj College, Jhargram, W.B the audit process involved initial interviews with the teachers and staffs to clarify policies, activities, records and the cooperation in the implementation of mitigation measures. This was

followed by collection of data through the questionnaires, review of records, observation and enquiry of practices and observable outcomes. In addition, the approach ensured that the management and staff are active participants in the Green and Environmental auditing process. The baseline data prepared for the Jhargram Raj College, Jhargram, W.B. will be a useful tool for campus greening, resource management, planning of future projects, and a document for implementation of sustainable development. Existing data will allow the College to compare its programmes and operations with those of peer institutions, identify areas in the need of improvement, and prioritize the implementation of future projects.

The area of the College premises is 20 acre out of which about 15.95 acre areas is covered by trees, plants etc. and 0.02 acre areas is covered by surface water bodies . In the present audit report most of the aspects are covered such as tree plantation, awareness about environment programmes, rain water harvesting and plastic free premises. The College has already taken some steps to protect the environment with help of teachers, staff and students under the guidance of Dr. Debnarayan Roy Principal, Jhargram Raj College, Jhargram, W.B. We expect that the management will be committed to implement the green and environmental audit recommendations. We are happy to submit this green and environmental audit report to the Jhargram Raj College, Jhargram, West Bengal.



**AUDITORS' CERTIFICATE AND REPORT ON
THE UTILISATION OF ALLOTMENT OF FUNDS
OF JHARGRAM RAJ COLLEGE**

For financial years 2018-19 to 2022-23



**Amiya & Associates
Chartered Accountants
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(M)7688028728
E-mail:amiasso2002@gmail.com**

Amiya & Associates
Chartered Accountants

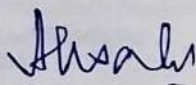
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**AUDITORS' CERTIFICATE AND REPORT ON THE UTILISATION OF
ALLOTMENT OF FUNDS FOR THE FINANCIAL YEAR 2018-19.**

We have checked and verified attached allotment and utilisation statement as on 31st March, 2019 of Jhargram Raj College, Govt. of West Bengal, College Road, Jhargram-721507 with vouchers and documents produced before us in course of checking with books of account as kept and produced before us.

The physical stock of furnitures and laboratory equipments, chemicals and library books has been verified by us as on 31st March 2019 of Jhargram Raj College.

We found that the utilisation of allotted fund and the physical stock of assets of Jhargram Raj College, Govt. of West Bengal was in accordance with the records.



CA A.K.Sahu
M.No.060590
Place: Sarsuna, Kolkata
Date: The 23rd Feb. 2024.
UDIN:24060590BKHPMX9903



JHARGRAM RAJ COLLEGE

Govt. of West Bengal
College Road, Jhargram-721507

Statement of utilisation and allotment for the financial year 2018-19

<u>Allotment</u>		<u>Utilisation</u>	
	<u>Rs.</u>	<u>Rs.</u>	<u>Rs.</u>
Pay	6,89,88,251		
Electricity	16,33,388	2,70,53,415	
Telephone	24,368	3,19,90,287	
Other Charges	24,35,849	56,17,472	
Development Grant	81,09,706	4,65,738	
		34,80,805	
		2,11,134	
		1,59,600	
		9,800	6,89,88,251
			16,33,388
			24,368
<u>Infrastructure Augmentation(Excluding Salary):</u>			
Furniture & Equipments etc.		26,45,275	
Electrical Renovation & Installation		54,64,431	81,09,706
<u>Other Charges(Contingencies):</u>			
2202-03-103-009-13-04-V		3,91,423	
2202-03-103-009-50-00-V		14,71,302	
2202-03-103-00-004-V-50-00		3,28,224	
2204-03-101-00-003-V-50-00		2,44,900	24,35,849
Total	Rs. 8,11,91,562	Total	Rs. 8,11,91,562

<u>Other Charges:</u>	<u>Rs.</u>	<u>Rs.</u>
<u>ContingenciesExcluding Salary for human resources</u>		
Cultural Activities:	4,16,593	
Physical Maintenance	4,02,964	
Academic Maintenance	3,50,222	
Infrastructure Augmentation	4,42,147	16,11,926
Other Expenses		8,23,923
Total	Rs. 24,35,849	

As per report of even date.

Place:Sarsuna, Kolkata
Date:23rd February,2024.

Principal

for Amiya & Associates
Chartered Accountants

A.K.Sahu
A.K.Sahu
Proprietor
M.No.060590

UDIN:24060590BKHPMX9903



Amiya & Associates
Chartered Accountants

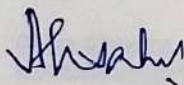
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E-mail:amiasso2002@gmail.com

**AUDITORS' CERTIFICATE AND REPORT ON THE UTILISATION OF
ALLOTMENT OF FUNDS FOR THE FINANCIAL YEAR 2019-20.**

We have checked and verified attached allotment and utilisation statement as on 31st March, 2020 of Jhargram Raj College, Govt. of West Bengal, College Road, Jhargram-721507, with vouchers documents produced before us in course of checking with books of account as kept and produced before us.

The physical stock has been verified by us as on 31st March 2020 of Jhargram Raj College, Govt. of West Bengal the statement of physical stock of furnitures and laboratory equipments, chemicals and library books as verified has been attached herewith.

We found that the utilisation of allotted fund and the physical stock of Jhargram Raj College, Govt. of West Bengal was in accordance with the records.



CA A.K.Sahu
M.No.060590
Place: Sarsuna, Kolkata
Date: The 23rd Feb.2024.
UDIN:24060590BKHPMZ1354



JHARGRAM RAJ COLLEGE

Govt. of West Bengal

College Road, Jhargram-721507

Statement of utilisation and allotment for the financial year 2019-20

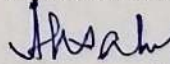
<u>Allotment</u>	<u>Rs.</u>	<u>Utilisation</u>	<u>Rs.</u>	<u>Rs.</u>
Pay(Including Parttime Teacher	7,56,71,384	Pay:		
Electricity	13,65,563	Basic	3,25,73,573	
Telephone	1,20,991	D.A	2,94,26,498	
Development Grant	3,48,42,577	Grade Pay	44,76,197	
Other Charges	26,67,914	Interim Relief	1,194	
		HRA	39,81,038	
		Medical Allowances	2,22,359	
		Bonus	2,44,000	
		Others	6,488	7,09,31,347
		Part Time Teachers' Salary		47,40,037
		Electricity		13,65,563
		Telephone		1,20,991
		<u>Infrastructure Augmentation(Excluding Salary):</u>		
		LAN	5,46,549	
		Smart Class Room	11,57,067	
		Other Expenses	42,700	
		Electrical Renovations	1,04,62,648	
		<u>Repair & Renovation:</u>		
		Hostel(Boys' & Ladies)	75,00,000	
		College	70,00,000	1,45,00,000
		Furniture & Equipments etc.	81,33,613	3,48,42,577
		<u>Other Charges(Contingencies):</u>		
		2202-03-103-009-13-04-V	2,49,890	
		2202-03-103-009-50-00-V	12,59,501	
		2202-03-103-00-008-V-50-00	2,44,354	
		2202-03-103-00-004-V-50-00	9,14,169	26,67,914
Total	11,46,68,429	Total	Rs. 11,46,68,429	

Other Charges	Rs.	Rs.
<u>(Contingencies Excluding Salary for human resources):</u>		
Cultural Activities	4,41,468	
Physical Maintenance	8,26,703	
Academic Maintenance	1,17,423	
Infrastructure Augmentation	6,62,023	20,47,617
Other Expenses		6,20,297
		26,67,914

As per report of even date.

Place:Sarsuna, Kolkata
Date:23rd February,2024.

Principal

for Amiya & Associates
Chartered AccountantsA.K.Sahu
Proprietor
M.No.060590

UDIN:24060590BKHPM21354



Amiya & Associates
Chartered Accountants

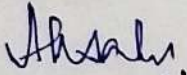
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E-mail:amiasso2002@gmail.com

**AUDITORS' CERTIFICATE AND REPORT ON THE UTILISATION OF
ALLOTMENT OF FUNDS FOR THE FINANCIAL YEAR 2020-21.**

We have checked and verified attached allotment and utilisation statement as on 31st March, 2021 of Jhargram Raj College, Govt. of West Bengal, College Road, Jhargram-721507 with vouchers documents produced before us in course of checking with books of account as kept and produced before us.

The physical stock has been verified by us as on 31st March 2021 of Jhargram Raj College, Govt. of West Bengal the statement of physical stock of furnitures and laboratory equipments, chemicals and library books as verified has been attached herewith.

We found that the utilisation of allotted fund and the physical stock of Jhargram Raj College, Govt. of West Bengal was in accordance with the records.



CA A.K. Sahu
M.No.060590
Place: Sarsuna, Kolkata
Date: The 23rd Feb. 2024.
UDIN:24060590BKHPNA2977



JHARGRAM RAJ COLLEGEGovt. of West Bengal
College Road, Jhargram-721507**Statement of utilisation and allotment for the financial year 2020-21****Allotment**

	<u>Rs.</u>
Pay(Including Parttime Teachers' Salary)	9,56,56,423
Electricity	7,79,502
Telephone	2,04,256
Security	1,79,763
WBHS	80,426
Other Charges	9,74,413
Development Grant	1,61,34,926

Pay:

Basic	8,13,98,091
D.A	3,96,684
Grade Pay	0
Interim Relief	0
HRA	73,73,192
Medical Allowances	3,13,113
Bonus	2,28,000
Others	13,200
Part Time Teachers' Salary	8,97,22,280
WBHS	59,34,143
Electricity	80,426
Telephone	779502
Security	204256
	1,79,763

UtilisationRs.Rs.**Infrastructure Augmentation(Excluding Salary):**

Repair & Renovation		
Boys & Girls Hostel	51,44,464	
Repair & Renovation		
Academic Cum Science Building	71,90,970	1,23,35,434
Furniture & Equipments etc.		37,99,492
		1,61,34,926
Other Charges(Contingencies):		
2202-03-103-009-13-04-V		1,39,947
2202-03-103-009-50-00-V		4,09,709
2202-03-103-00-008-V-50-00		2,44,994
2202-03-103-00-004-V-50-00		1,79,763
		9,74,413

Total**Rs. 11,40,09,709****Rs. 11,40,09,709****Total****Other Charges****(Contingencies Excluding Salary for human resources):**

	<u>Rs.</u>	<u>Rs.</u>
Cultural Activities	2,44,994	
Physical Maintenance	2,80,252	
Infrastructure Augmentation	18,877	5,44,123
		4,30,290
Other Expenses		
Total	Rs. 9,74,413	

As per report of even date.

Principal

for Amiya & Associates
Chartered AccountantsA.K. Sahu
Proprietor
M.No.060590

UDIN:24060590BKHPNA2977

Place:Sarsuna, Kolkata
Date:23rd February,2024.

Amiya & Associates
Chartered Accountants

Office: 4/2K-1/108, Ho Chi Minh Sarani
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Kolkata-700061
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(M) 7688028728
E-mail:amiasso2002@gmail.com

**AUDITORS' CERTIFICATE AND REPORT ON THE UTILISATION OF
ALLOTMENT OF FUNDS FOR THE FINANCIAL YEAR 2021-22.**

We have checked and verified attached allotment and utilisation statement as on 31st March, 2022 of Jhargram Raj College, Govt. of West Bengal, College Road, Jhargram-721507 with vouchers documents produced before us in course of checking with books of account as kept and produced before us.

The physical stock has been verified by us as on 31st March 2022 of Jhargram Raj College, Govt. of West Bengal the statement of physical stock of furnitures and laboratory equipments, chemicals and library books as verified has been attached herewith.

We found that the utilisation of allotted fund and the physical stock of Jhargram Raj College, Govt. of West Bengal was in accordance with the records.

A.K. Sahu

CA A.K. Sahu
M.No.060590
Place: Sarsuna, Kolkata
Date: The 23rd Feb. 2024.
UDIN:24060590BKHPNB8146



JHARGRAM RAJ COLLEGE

Govt. of West Bengal

College Road, Jhargram-721507

Statement of utilisation and allotment for the financial year 2021-22**Allotment**

	Rs.	Utilisation	Rs.
Pay(Including Parttime Teachers' Salary)	9,57,91,121	Pay:	
Electricity	7,00,000	Basic	7,83,61,737
Telephone	23,010	D.A	23,47,680
Security		0 Grade Pay	0
Wages	8,26,404		
Development Grant	59,95,899	Interim Relief	0
Other Charges	5,61,749	HRA	71,31,673
		Medical Allowances	2,53,339
		Bonus	1,84,500
		Other Allowances	1,18,800
		Part Time Teachers' Salary	8,83,97,729
		Electricity	7,00,000
		Telephone	23,010
		Wages	8,26,404
		Infrastructure Augmentation(Excluding Salary):	
		Furniture & Equipments etc.	37,99,492
		Electrical Installations	18,60,940
		Anti Termit Treatment	3,35,467
		Other Charrges(Contingencies):	
		2202-03-103-009-13-04-V	50,000
		2202-03-103-00-008-V-50-00	1,11,796
		2204-00-796-00-003-V-50-00	3,99,953
			5,61,749
Total	Rs. 10,38,98,183	Total	Rs. 10,38,98,183

Other Charrges**Rs.****Rs.****(Contingencies Excluding Salary for human resources):**

Cultural Activities	2,45,000	
Physical Maintenance	23,078	
Academic Maintenance	2,83,049	5,51,127
Other Expenses		10,622
	Rs. 5,61,749	

As per report of even date.

Place: Sarsuna, Kolkata
Date: 23rd February, 2024.

Principal

for Amiya & Associates
Chartered Accountants

A.K.Sahu

Proprietor
M.No. 060590

UDIN: 24060590BKHPNB8146



Amiya & Associates
Chartered Accountants

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(M) 7688028728
E-mail:amiasso2002@gmail.com

**AUDITORS' CERTIFICATE AND REPORT ON THE UTILISATION OF
ALLOTMENT OF FUNDS FOR THE FINANCIAL YEAR 2022-23.**

We have checked and verified attached allotment and utilisation statement as on 31st March, 2023 of Jhargram Raj College, Govt of West Bengal, College, Road, Jhargram-721507 with vouchers and documents as produced before us in course of checking with books of account as kept and produced before us.

The physical stock has been verified by us as on 31st March 2023 of Jhargram Raj College, Govt. of West Bengal the statement of physical stock of furnitures and laboratory equipments, chemicals and library books has been verified

We found that the utilisation of allotted fund and the physical stock of Jhargram Raj College, Govt. of West Bengal was in accordance with the records.

A.K. Sahu

CA A.K.Sahu
M.No.060590
Place: Sarsuna, Kolkata
Date: The 23rd Feb.2024.
UDIN:24060590BKHPNC4633



JHARGRAM RAJ COLLEGE

Govt. of West Bengal
College Road, Jhargram-721507

Statement of utilisation and allotment for the financial year 2022-23

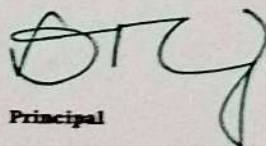
Allotment

Utilisation

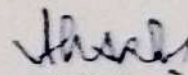
	Rs.		Rs.	Rs.
Pay(Including Parttime Teachers' Salary)	9,61,60,954	Pay:		
Electricity	13,52,081	Basic	7,77,25,055	
Telephone	1,00,000	D.A	32,32,767	
Other Charges	11,92,492	Grade Pay		
Development Grant	51,44,597	Interim Relief		
		HRA	70,10,053	
		MA	2,23,000	
		Bonus	1,87,200	
		Others Allowances	14,100	8,24,02,175
		Part Time Teachers' Salary		77,58,779
		Electricity		13,52,081
		Telephone		1,00,000
		Infrastructure Augmentation(Excluding Salary):		
		Furniture & Equipments etc.	37,59,642	
		Library Books	4,98,000	
		Building Renovation of Academic- and Boys & Girls Hostel	8,86,955	51,44,597
		Other Charges(Contingencies):		
		2202-03-103-009-13-04-V	1,99,999	
		2202-03-103-009-50-00-V	3,00,000	
		2202-103-008-50-V		
		2202-03-796-00-003-V-50-00	2,00,000	
		2070-03-800-00-003-V-50-00	3,55,493	
		2070-00-800-005-V-31-02	1,37,000	11,92,492
Total	Rs. 10,39,50,124	Total		Rs. 10,39,50,124

Other Charges:	Rs.	Rs.
Contingencies Excluding Salary for human resources		
Cultural Activities:	4,92,493	
Academic Maintenance	2,80,024	7,72,517
Other Expenses		4,19,975
Total		Rs. 11,92,492

As per report of even date.


Principal

for Amiya & Associates
Chartered Accountants


A.K. Saha
Proprietor
M.No.060590

UDIN:240605908KHPNC4633



Place: Sarwina, Kolkata
Date: 23rd February, 2024.



INTERNAL ACADEMIC AUDIT REPORT

Internal Academic Audit

Conducted by the IQAC, Jhargram Raj College

For the Period: 2022-2023



Auditor's Certificate:

The present audit exercise is conducted by way of physical inspection, verification of documents and interviews with teachers and students of the College.

Auditor
Jhargram Raj College
Jhargram

Principal
Jhargram Raj College
Jhargram, West Bengal- 721507

**Audit Date:**

The Internal Academic Audit was conducted in **April, 2023**

Audit Report:

Internal Academic Audit Report was submitted on **06.05.2023**

Audit Team:

The Internal Academic Audit was conducted by the IQAC, Jhargram Raj College. The team was led by the Principal, Dr. Debnarayan Roy and comprised the following members:

1. Dr. Rahul Kumar Datta, Co-Ordinator, IQAC & Associate Professor & Head, Department of Zoology
2. Smt. Sudipta Mullick, Associate Professor & Head, Department of Philosophy
3. Dr. Sourabh Mukhopadhyay, Associate Professor in Physics
4. Dr. Pradipta Ghosh, Assistant Professor in Chemistry
5. Sri Sandip Sarkar, Assistant Professor & Head, Department of Mathematics
6. Dr. Prasanta Patra, Assistant Professor in Chemistry

Audit Process:

The auditors visited the Departments, including the Library and interacted with the Departmental Heads, teachers and the Librarian. The Internal Academic Audit was conducted on the basis of the following criteria:

1. Curriculum Transaction and Teaching-Learning-Evaluation
2. Faculty Profile
3. Infrastructure
4. Students' Profile
5. Departmental Activities
6. Library



I. Curriculum Transaction and Teaching-Learning-Evaluation:

Audit Observations:

1. Following a discussion with the teachers and students of the Departments, it was found that all Departments maintain a regular practice of teaching-learning and continuous internal assessment. The Departments adhere to the Academic Calendar published by the University and chalk out a lesson plan at the commencement of each Semester to facilitate effective curriculum delivery.
2. Departmental meetings are held periodically to discuss changes in the course structure and for allocation of the University-prescribed syllabus amongst the faculty members.
3. Project Reports for the Environmental Studies course have been submitted by the UG students across Departments in the First Semester. Additionally, UG students majoring in Botany and Zoology have submitted project reports related to field studies across the Semesters.
4. PG students enrolled in Bengali and Zoology Departments are also required to submit project reports pertaining to field studies.
5. The number of ICT-enabled classrooms in the College is 10, but majority of the Departments follow the chalk-and-talk method of teaching.
6. Continuous internal assessment is a practice of the Departments for evaluating their students' knowledge of particular topics.
7. One (1) Parent- Teachers' meeting has been conducted by the Department of History in February 2023 for the First Semester students enrolled in the Honours programme.
8. Feedback from students has been collected, analyzed and visually represented through graphical means.

Audit Recommendations:

1. Remedial Coaching for academically weak students should be introduced and a time-slot may be allotted in the central timetable for these classes.
2. Students' seminars, debates, quizzes and mock teaching for academically advanced students should be organized by the Departments on a regular basis.
3. Teachers should build a Question Bank and upload the same on the college website.
4. The college should provide regular training for the faculty members to adopt more innovative and student-centric teaching methods.



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5. E-content development should be encouraged among teachers for effective teaching and the college should provide technical support and quality assurance for the e-content development process. The e-content should be aligned with the learning outcomes, assessment criteria and accreditation standards and should be revised and updated.
6. The Humanities Departments in particular, should be encouraged to use the ICT facilities already provided, so that the students and teachers can easily adapt themselves to the innovative modes of teaching.
7. All Departments should conduct Parent-Teacher meetings on a regular basis in order to identify and address the challenges encountered in the teaching-learning process.
8. The college should introduce feedback from parents, teachers and office staff.

II. Faculty Profile:

Audit Observations:

1. One (1) ongoing Minor Research Project has been reported. This MRP has been approved for the academic year 2022-23 and has been granted to Dr. Prasanta Patra, Assistant Professor in Chemistry, who will be leading the sanctioned project as the principal investigator.
2. In the 2022-23 academic session, faculty members have published research-based papers and book chapters.
3. The college encourages and supports the faculty members to participate in professional development programs, such as workshops, seminars, conferences, and online courses, for curriculum development and/or enrichment, thereby improving teacher quality and teaching quality. Teachers have been also encouraged to participate in faculty development programmes and a total of 11 teachers participated in FIP (OP and RC) programmes in the 2022-23 academic session.

Audit Recommendation:

More teachers should be encouraged to pursue research at the M.Phil. and Doctoral levels. The college should explore adequate and advanced research facilities and resources such as, laboratories, equipment, library, journals, databases and funding.



III. Infrastructure:

Audit Observations:

1. The Departments at the Humanities Building in the College reported of having a dearth of classrooms, thus putting a constraint to all UG and PG classes being held in terms of the central timetable.
2. There are adequate laboratories for smoothly conducting the practical sessions for all Laboratory-based Science Departments. The no. of laboratories is 24.
3. Of the total number of computers in the College, 104 computers are assigned to students and 116 computers are reserved for the use of teachers.
4. The Science Departments of the College have a total of 565 instruments, catering to the need of students and research scholars.
5. All the Departments are well-equipped with high-speed (more than 100 mbps) internet and wi-fi facilities.

Audit Recommendations:

1. The College authority should look into the matter concerning the dearth of space in the Humanities Building and the lack of adequate classrooms.
2. The College should equip more classrooms with adequate ICT facilities and resources to facilitate the use of multimedia, online platforms and interactive tools in teaching-learning.

IV. Students' Profile:

Audit Observations:

1. The students' result in the 2022-23 academic session has been commendable.
 - ❖ The pass percentage in the UG Section of the College, for 12 Honours Courses (Physics, Chemistry, Mathematics, Botany, Physiology, Zoology, Bengali, English, Sanskrit, Philosophy, History and Political Science) and 2 General Programmes (Science and Arts) is 100.
 - ❖ The pass percentage for the PG Courses in Chemistry and Zoology is 100 and the pass percentage for the PG Course in Bengali is 96.77.
2. Significant number of students from the Humanities, Science and Commerce Departments has progressed to higher studies. Majority of students from the Postgraduate Department of Bengali are now pursuing B.Ed course in B.Ed colleges. Additionally, a considerable number of students from the Postgraduate Departments of



Chemistry and Zoology have enrolled in Ph.D programmes in various central or state institutions/Universities, following their success in national-level examinations such as NET, GATE, SLET, JAM etc.

3. Students of the Departments of Physiology (UG course), Botany (UG course) and Zoology (both UG and PG courses) have participated in Departmental excursions.

Audit Recommendations:

1. All Departments should monitor and track the students' progress and outcomes and maintain a record of the same.
2. The College should organize programmes on skill development and personality development for students such as, communication skills, soft skills, life skills, leadership skills and entrepreneurial skills to enhance their employability and acceptance in the job market.
3. The College should evaluate and certify the students' skill and personality development and celebrate and showcase their achievements and success stories.

V. Departmental Activities:

Audit Observations:

1. The Guest Lecturers of the Department of Bengali delivered lectures to the Postgraduate students of the Department, thereby contributing to the teaching-learning process.
2. Departmental seminars/webinars were organized by some Departments.

Audit Recommendations:

1. Collaborations with other institutions for student-exchange and teacher-exchange programmes should be arranged by the Departments as a means to ensure the exposure of their students to sharing of thoughts and ideas.
2. All Departments should be encouraged to organize seminars.
3. Departments should also engage in extension activities, thereby ensuring participation of their students in meaningful social and community service.



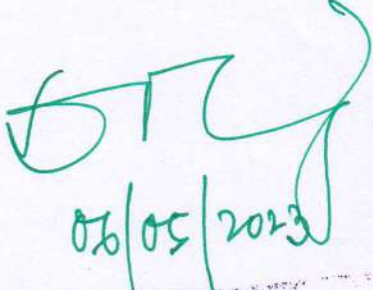
VI. Library:

Audit Observations:

1. In the 2022-23 academic session, a total of 792 books have been purchased and Rs. 4,98,000/- has been expended for the said purpose.
2. Ten (10) sets of Encyclopedia have been gifted by the ABP Library to the Central Library of the College.
3. Continuation of the annual subscription (Rs. 5,900/-) of NLIST.
4. The Library suffers from a lack of proper maintenance.
5. There is a lack of adequate personnel in the Library to assist the Librarian.

Audit Recommendations:

1. The College should look into the matter concerning the dearth in the number of competent personnel in the Library for catering to the needs of students of 15 Departments of the College.
2. The College should look into the maintenance and regular cleaning of the Library.
3. A greater number of students should be made aware of the use and utilization of the internet in the Library for accessing e-books and e-journals.


06/05/2023
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