

KISHORE BHARATI BHAGINI NIVEDITA COLLEGE (CO-ED)
148, Ramkrishna Sarani, Behala, Kolkata-700060.



ESTD-2001

Website: www.kbbnc.ac.in

Email Id: kbbncollege@gmail.com

GREEN AUDIT REPORT

KISHORE BHARATI BHAGINI NIVEDITA COLLEGE,

BEHALA, KOLKATA – 700060

2022-2023



Prepared by:

KISHORE BHARATI BHAGINI NIVEDITA COLLEGE,

BEHALA, KOLKATA – 700060





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ACKNOWLEDGEMENT

Maintaining a healthy environment in the college campus in order to facilitate the teaching learning process is one of the major concerns of Kishore Bharati Bhagini Nivedita College. The Institution has taken a number of initiatives to develop a sense of responsibility towards the environment both among the staff and students. The Eco Club celebrates Van Mahoytsav, World Environment Day, Soil Day, Ocean Day etc. along with organising special lectures and seminars in order to inculcate eco-consciousness among the students. Various cleaning campaigns and awareness programmes are organised to reinforce the attempt to maintain a clean campus environment.

I express my sincere thanks to all the Teaching and Non- Teaching staff for their continuous effort in achieving a clean campus environment. It is of great pride for me in mentioning our students for their contribution towards a clean and green college campus.

This green audit report is the outcome of the inputs from all the members of the College Environment Committee. The untiring effort put by the members of the Committee made this report accurate and precise. This report of academic year 2022-2023 is a documentation of the results of investigation into and interpretation of the information about all the required parameters of the Green audit process. In the process of reporting the green audit the committee has gathered information on every parameter of the environment, compiled and analyzed the data to recognize the immediate and serious threats within the campus so that opportunities can

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be optimised to bring about improvement in our environmental performance. In this process the environmental issues were identified by the College Environment Committee in order to address them properly to improvise upon the environmental management practices in future.

Kana S

Principal
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

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College Environment Committee:

An internal green audit committee was formed in the Kishore Bharati Bhagini Nivedita College under the chairmanship of the Principal. The committee comprises of members from different faculties and non- teaching staff of the institution. Dr. Shib Sankar Sana of our Institution heads the committee with the following members:

1. Dr. Shib Sankar Sana, Principal	Chairperson
2. Dr. Arpita Sengupta Sadhu, Assistant Professor , Head of the Department, Physiology	Convenor
3. Dr. Anupriya Chatterjee, Assistant Professor, Head of the Department, Geography	Member
4. Mr. Mahananda Roy, Assistant Professor , Head of the Department, Chemistry	Member
5. Dr. Mausumi Roy, SACT -I, Department of Zoology.	Member
6. Ms. Anindita Mitra, SACT -I, Department of English.	Member
7. Mr. Debasish Das, Head Clerk	Member
8. Mr. Raja Mukherjee, Typist	Member

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About the College:

Kishore Bharati Bhagini Nivedita College (Co-Ed), was founded in 2001 as Kishore Bharati Bhagini Nivedita Girls College, with the objectives of imparting education in Humanities, Science and Commerce streams and is continuously updating itself by adapting to changing policies in higher education pattern. The college has progressed rapidly by proper utilisation of the available resources provided by the faculty members and non-teaching staff of the college under clean and transparent administration of the Governing Body and is relentlessly providing quality teaching to the students. The university examination results bear ample testimony to this academic success. The college is still in its formative years and is still struggling to achieve scores to take pride in it. The library is furnished with an adequate number of books and online resources. Well-equipped laboratories and classrooms facilitate the teaching learning process. A Smart Classroom has been set up to organise seminars, invited lectures and ICT based teaching learning experience. We pledge to maintain clean environment and a green campus. We aim at providing quality education in a green campus.

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Objectives:

1. Identification and documentation of green practices followed.
2. Recognition of strength and weakness in green practices.
3. Analysis and suggesting solutions for problems identified.
4. Assessment of different types of waste management facilities.
5. Creating environmental awareness among the student community.
6. Motivating staff to optimize sustainable use of available resources.



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Scope of the green audit:

The broad aims/benefits of the eco-auditing system would be

- Environmental education through systematic environmental management approach
- Improving environmental standards
- Benchmarking for environmental protection initiatives
- Sustainable use of natural resources in the campus.
- Financial savings through a reduction in resource use
- Curriculum enrichment through practical experience
- Development of ownership, personal and social responsibility for the College campus and its environment
- Enhancement of College profile
- Developing an environmental ethic and value systems in young people.
- Use of alternative energy resources.



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Methodology:

In order to perform green audit, the methodology included different tools such as preparation of questionnaire, physical inspection of the campus, observation and review of the documentation, interviewing key persons and data analysis, measurements and recommendations. The study covered the following areas to summarize the present status of environment management in the campus:

- Water Management
- Energy Conservation
- Waste Management
- E-waste Management
- Green area Management

A water audit is an on-site survey and assessment to determine the use of water and hence improving the efficiency of its use and method(s) of conservation. Water is used for drinking purpose, canteen, toilets, laboratory and gardening. Loss of water must be checked: neither by any leakages, nor by over flow of water from overhead tanks should be allowed. The green audit practically involves use of renewable sources, conservation of the energy, efforts of carbon neutrality, plantation of trees, E-waste management and hazardous waste management.



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1. GENERAL AUDIT

1.1 Year of Establishment of college: 2001

1.2 History behind the establishment of the college: Kishore Bharati Bhagini Nivedita College (Co-Ed), previously known as Kishore Bharati Bhagini Nivedita Girls' College was founded in the year 2001, annexed to a school building by Mr. Subhash Sarkar, our Patron.

1.3 Total campus area: 6212 sq.ft.

1.4 Total built up area: 19000 sq.ft.

1.5 Total open space area: 1462 sq.ft.

1.6 Total green area: 1000 sq.ft.

1.7 Whether the college is implementing the Green Policy for the first time

(mention date/month/year): Yes, Eco Club has been there since 2015. Annexure 1.7

1.8 Whether green audit is followed annually. If so, please produce the year-wise recommendations of the auditor along with report (as Annexure): Previous one year green audit Report 21-22 Annexure 1.8

1.9 Whether college has constituted the "College Environmental Committee":

(if so, give the details of it): Yes. Annexure 1.9.1

1.9.1 Name of the Committee members: Annexure 1.9.1

1.9.2 Number of meetings conducted so far: Twice per year. Annexure 1.9.2

1.9.3 Resolution of the meetings: Annexure 1.9.2

1.9.4 Action taken by the Committee: Annexure 1.9.2

1.9.5 Future programs of the Committee: Annexure 1.9.2

1.9.6 Policy enforcement strategies: Emphasis on alternate energy consumption, cleanliness of campus, alternate plantation measures.

1.10 Whether the college has conducted any awareness/responsibility programme among the staff members: Yes. Annexure 1.10



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1.11 Whether all the departments/teachers/non-teaching members/students are aware about the need of the environmental protection and audit: Yes.

1.12 Whether college has involved the students as volunteers in greening programmes: Yes.
Annexure 1.12

1.13 Whether construction/demolition/repairing are in compliance with green standard: Yes

1.14 Whether the college has conducted any workshop/seminar/lecture on environmental awareness programme inside and/or outside the campus: Yes Annexure 1.14

1.15 Whether the institute has a department of Law/Environmental Science/3-Year degree Course/Course curriculum (if so, how does it takes part in greening programmes): No; but we do conduct compulsory Environmental Science courses for Semester 2 students of all streams as notified by UGC.

1.16 Whether the college provides any community services, if so, give details (as Annexure): Yes.
Annexure 1.16

Whether the students are aware about the use of medicinal plants (any lecture/seminar/conference organized on it): Yes

1.17 Comments on the following:

1. Plantation program: Yes.
2. Formation of Natural club/Eco club: Yes
3. Management of natural resources, wildlife, conservation of species: Yes, through awareness programmes and seminars by eco club and department of Zoology.
4. Any project sponsored by national funding agency/NGO, independent project related to environmental issues: 1.17.4
5. Is there any incidence of burning of plastics containing garbage within the campus for necessary reduction: No
6. Celebration of 5th June, Ozone day, Earth Day etc.: Yes
7. Number of field visits/survey records: Y / N (if Y number) : Y (4 per year)
8. Campus biodiversity register: Yes. Annexure 1.17.18

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1.18 General aspects (express in statements)

1. Campus cleanliness: Yes. The Campus gets cleaned every morning appointing sweepers.
2. Rainwater harvesting: No
3. Solar lamps: Under process
4. Carbon dioxide neutrality on the campus by developing greenery: Yes Annexure 6
5. Man-made nest to attract some birds to maintain ecological balance: No
6. Restriction in use of plastic and plastic products: Yes. Annexure 1.18.6
7. Culture of some ducks, swans etc., for scenic beauty in pond or any water body resources (if available): N.A
8. Green monitoring by green committee/volunteers/team: Yes
9. Training on vermicomposting: No
10. Celebration of 'No vehicle Day' on a particular day: No.
11. Dams inside the campus to meet the demand for water: N.A
12. Installation of fire safety instruments in all the buildings/departments: Yes
13. Toilets/separate toilets for differently abled students: No.
14. Over all noise level

Sl no.	Inside campus area	Outside campus	Class room	Office	Laboratory	Canteen
	50-60DB	>65DB	40-50DB	35-40DB	40-50DB	60DB

15. Is there any device (preferably HVS: High Volume Sampler) for measuring ambient air quality in the campus (if so, please mention the data month wise): No



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2. WATER AUDIT

2.1 Whether the college has an efficient and hygienic water storage mechanism to minimize the loss of water during storage: Yes

2.2 Whether the college is using water filters with RO, Aqua Guard and/or large water filters with coolers at the strategic locations in the college. If so, are they under AMC: Yes

2.3 Whether college has its own mechanism in repairing of water leakage: Yes

2.4 Is there any rainwater harvesting unit in college: No

2.5 Whether college has developed any reusable and recyclable system for water: No

2.6 Is there any scope of measurement of water quality parameters used in hostel, lab, office, canteen, tap water (if so, parameters: pH, EC, TDS *etc.*):No

2.7 Lab-wise water consumption (lt/d)

Chemistry: Approx. 10Lt

Zoology: Approx. 10Lt

Botany: Not Applicable

Physiology: Approx. 10Lt

Geography: Approx. 5Lt

2.8 Whether college has sufficient/adequate drainage system: Yes



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3. ENERGY AUDIT:

3.1 Reduction of energy consumptions, especially fossil fuel energy

3.1.1 Total electric consumption : **14,698 KWh** (Annexure: 3.1.1)

3.1.2 Average electrical consumption in a month: **1225 KWh**

3.1.3 Total No. of (Annexure 3.1.3)

i) LED: LED TUBE + LED Bulbs = 189

ii) CFL: 3

iii) Tube lights (40W): 0

iv) Incandescent lamps: 0

v) Fans: 136

vi) Air conditioners/Air Coolers: 0

3.1.4 Whether college has any provision/choice of renewable and carbon-neutral electricity options: **No**

3.1.5 Whether college has planned to install solar panels: (if so, Project installed/working: Date/Month/Year) **Yes, in process.**

3.1.6 Whether college has efficient water heating system: **No**

3.1.7 Whether the staff members of all sectors are concerned in turning off electrical appliances when not in use in both commercial and residential area: **Yes.**

3.1.7 Is there any monitoring system – like put off the main switch where there is no need of electricity? **Yes.** Daily manual inspection and CCTV surveillance

3.1.8 Whether the users follow the appropriate and measurable targets for a reduction of energy, such as, computer, printers, electrical equipment when not in use: **YES**

3.1.9 Is there any options for equipment's running on standby mode: **YES**

3.1.10 Whether college has taken initiative to purchase efficient and environmentally sound appliances in order to fulfill the green budget: **YES**

3.1.11 Whether college has its own mechanism in repairing of electrical fault: **NO**

3.1.12 Whether the class rooms are with sufficient illumination in day time and ventilation: **YES**

3.1.12.a. Number of lights & fans in class room (average): Light: 4, Fan: 3

3.1.12.b. Use of light & fans in the day time (average hours): 8 hrs.

3.1.12.c. Number of windows per class (average): 4



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3.1.12.d. Natural light source in day time (in hours) (average per class): 1-3hr

3.1.13 How many (%) e-notice generated by the college for academic/administrative purposes in a month: 90%

3.1.14 How many (%) paper-notice generated by the college for academic/administrative purposes in a month: 5

3.1.15 Total number of computer, printer, Laptop, Xerox machine: Computer: 30; Printer: 12; Xerox machine: 1

3.1.16 Whether college has organized lectures on energy conservation in order to give awareness to the students: YES

3.2 Energy conservation strategies

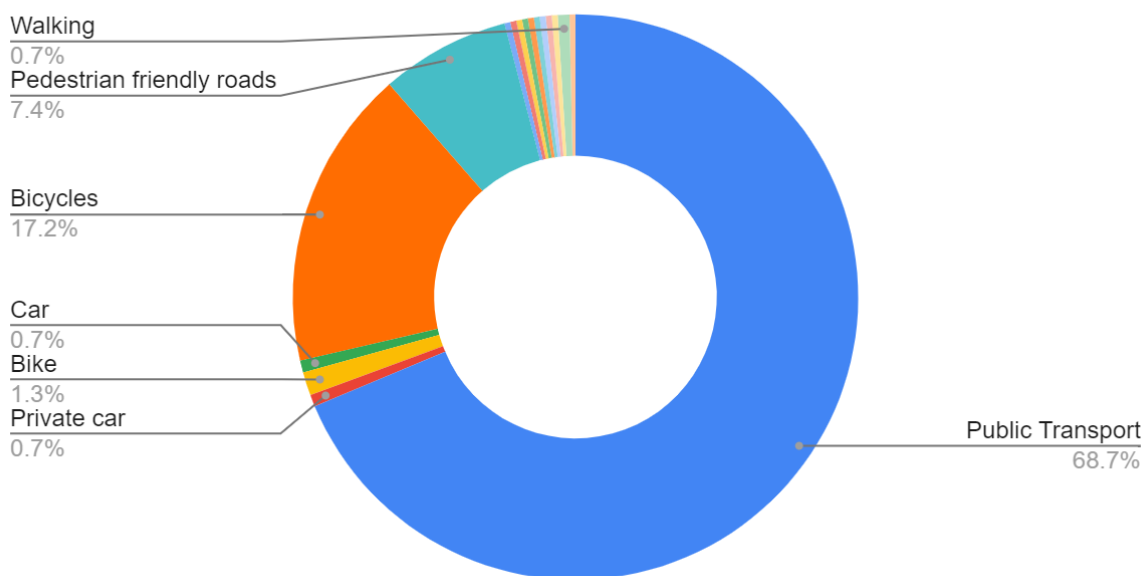
3.2.1 Whether the architectural design for college is based upon use of natural lighting & ventilation, to save extra power for bulbs and fans: NO

3.2.2 Whether florescent bulbs are replaced with CFL bulbs/LEDs: Incandescent bulbs have been removed 100%.

3.3 Minimize the use of unsustainable transport

3.3.1 What are the available/maximum transport facilities used by the staff members/students etc., - mention the number (in average per day):

Count of Which mode of transportation do you use or prefer when travelling to college?





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4. WASTE AUDIT



4.1 Maximization of waste-processing & minimization of non-renewable refuse

4.1.1 Is there any method of segregation of waste materials? YES, bins are separated

4.1.2 Total amount of solid waste generated in the campus (including tree droppings & Lawn wastes) Total number of staff Per capita production per day: 0.5 Kg (Average)

4.1.3 Whether the college arranges any workshop/seminar/conference for the awareness of the students/staff for specific arrangements for recyclable wastes: Yes.

4.1.4 Whether the college follows specific disposal method for solid or liquid waste : YES,

4.1.5 Whether the recycling/collection facilities are provided by the city Municipality and/or private suppliers (including glass, white plastic bottle, printer cartridges, cardboard, furniture, plastics, thermocol, waste papers, electrical goods & alliances, electronic gadgets, instruments, equipment, packing materials): YES, Annexure 4.1.5

4.1.6 Whether the college has any composting ground/vat or any collection unit *etc.*: No

(if yes, what is the percentage of waste undergone composting and the final use of the products)

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4.1.7 Is there any mechanism of treatment/uses of domestic influent in the college campus (if so, what is the capacity of treatment plant/composting *etc.*): Not Applicable

4.1.8 Minimize use of chemical pollutants:

4.1.9 Records of dustbins/collection bins inside the campus: 7

4.1.9 Whether the cleaning products used by the college staff are ecofriendly and under the COSHH (Control of Substances Hazard to Health) regulations: Yes

Whether the college is using fertilizers, pesticides for any purposes, if so, amount used per month and places of uses: As and when required for gardening.

4.1.10. Use of public transport: Yes



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5. E-WASTE AUDIT

5.1 Quantity of e-waste generated: NIL

5.2 Number of cartridge used month-wise: 3 cartridges

5.3 Number of cartridge disposed in a year (average): N.A Reused by Refilling

5.4 Number of times refilling & reusing method of disposal of e-waste (if any): Once a year

5.5 Whether college has conducted any awareness programme on e-waste management: No

5.6 Is there any means of disposal of unused computers, printers and electronic wastes through authorized agents: No

5.7 Disposal methods: N.A

N.B

It may be noted here that there is no considerable e-waste generated in the campus. The cartridges are generally refilled and reused. Being a considerably new institution, still at its early developing stage, the institution produces no e-waste.



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6. GREEN AREA MANAGEMENT

6.1 Is there any garden in the college campus/outside the campus under college custody: Yes

6.2 Whether the garden is watered by using drip/sprinkler irrigation system: No

6.3 Is there any mechanism of review of periodical monitoring of tree species: Yes

6.4 Whether the college has conducted any programme for plantation of some fruit trees which can attract birds, bees *etc.* N.A

6.5 Biodiversity mapping: N.A

6.6 Records of Plantation programmes: Refer to Annexure 6

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List of Annexures:

Annx. 1.7 – Eco club formation document

Annx 1.8 – Green Audit Report 2021-2022

<https://kbbnc.ac.in/wp-content/uploads/2024/07/GREEN-AUDIT-2021-2022.pdf>

Annx. 1.9.1 – College Environment committee formation and list of members

Annx. 1.9.2 – Meeting Resolutions and plan of action of College Environment Committee.

Annx. 1.10 – Awareness Programmes Photographs

Annx. 1.12 – Student volunteer list

Annx. 1.14 – List of programmes

Annx 1.16 – Community service list

Annx. 1.17.1 – Celebration of Van Mahotsav

Annx. 1.17.4 – Projects

Annx 1.17.18 – List of plants in the campus

Annx. 1.18.6 – Plastic free notice

Annx. 3.1.1 – Electrical energy consumption details.

Annx. 3.1.3 – List of electrical fitting.

Annx. 4.1.5 – Recognition certificate from KMC

Annx. 6 - Photographs of green area maintained by college

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Ref. No.

Date

Proceedings of the Governing Body meeting held on 12/12/2015.

The President takes the chair and the meeting begins.

01. The proceedings of Governing Body meeting held on 24/11/2015 are read and confirmed.
02. In consideration of the follow up action of the decision of the Governing Body meeting held on 24/11/15, it has come to the knowledge of the house that the decisions already taken in the meeting has been complied with.
03. "Resolved that Current Account No. 32335208984 entitled Kishore Bharati Bhagini Nivedita College (Co-Ed) lying on State Bank of India, Behala Br., will be operated Jointly by (1) Smt. Sutapa Mukhopadhyay (Teacher-in-Charge) and (2) Sri Avijit Mukherjee (President) or Sri Sujoy Ghosh".

"Resolved that Current Account No. 1061050005845 and SB A/C No. 1061010138061 entitled Kishore Bharati Bhagini Nivedita College (Co-Ed) lying on United Bank of India, Unique Park Br., will be operated Jointly by (1) Smt. Sutapa Mukhopadhyay (Teacher-in-Charge) and (2) Sri Avijit Mukherjee (President) or Sri Sujoy Ghosh".

"Resolved that SB A/C No. 8567101000356 and 8567101000594 entitled Kishore Bharati Bhagini Nivedita College (Co-Ed) lying on Canara Bank, Behala Br., will be operated Jointly by (1) Smt. Sutapa Mukhopadhyay (Teacher-in-Charge) and (2) Sri Avijit Mukherjee (President) or Sri Sujoy Ghosh".

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Ref. No

Date ...12.12.2015

04. Resolved that Dr Ranjini Basu Asst. Prof. in the department of Philosophy be appointed as the Bursar of the College.

05. a) Resolved that the Finance Committee consisting of the following members is to be formed.

- i) Smt. Sutapa Mukhopadhyay (Teacher-in-Charge)
- ii) Sri Sekhar Kanti Chatterjee (G.B. member)
- iii) Ranjini Basu (Bursar)
- iv) Sri Rajesh Das (Teachers' Representative)
- v) Sri Mahananda Roy (Teachers' Representative)
- vi) Sri Debasish Das (Non Teaching Representative)

b) Resolved that the following sub committees consisting of the following members is to be formed.

B. Academic Sub-Committee:

- | | |
|--------------------------------------|----------------------------|
| 1. Sutapa Mukhopadhyay (Chairperson) | 2. Joyita Mitra (Convener) |
| 3. Sudakshina Ghosh | 4. Ranjini Basu |
| 5. Rajesh Das | 6. Mahananda Roy |
| 7. Piyalee Dash Sharma | 8. Sweety Sadhukhan |
| 9. Arpita Sengupta Sadhu | 10. Nilanjana Sen |
| 11. Prabir Sardar | 12. Basudev Banerjee |

C. Library Sub-Committee:

- | | |
|--------------------------------------|----------------------------|
| 1. Sutapa Mukhopadhyay (Chairperson) | 2. Ranjini Basu (Convener) |
| 3. Sudakshina Ghosh | 4. Sweety Sadhukhan |
| 5. Siddhartha Biswas | 6. Joyita Mitra |
| 7. Shipra Ghosh | 8. Rajesh Das |
| 9. Mahananda Roy | 10. Partha Sarathi Sarkar |

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Ref. No.

Date ..12-12-2015

G. Prospectus Sub-Committee:

- | | |
|--------------------------------------|----------------------------|
| 1. Sutapa Mukhopadhyay (Chairperson) | 2. Ranjini Basu (Convener) |
| 3. Nilanjana Sen | 4. Shipra Ghosh |
| 5. Sudhakshina Ghosh | 6. Anupriya Chatterjee |
| 7. Debaditya Bhattacharya | 8. Raja Mukherjee |

H. Purchase Sub-Committee:

- | | |
|--------------------------------------|----------------------------|
| 1. Sutapa Mukhopadhyay (Chairperson) | 2. Ranjini Basu (Convener) |
| 3. Rajesh Das | 4. Mahananda Roy |
| 5. Sweety Sadhukhan | 6. Anupriya Chatterjee |
| 7. Debasish Das | |

I. Eco - Club:

- | | |
|--------------------------------------|-----------------------------------|
| 1. Sutapa Mukhopadhyay (Chairperson) | 2. Anupriya Chatterjee (Convener) |
| 3. Rajesh Das | 4. Mahananda Roy |
| 5. Nilanjana Sen | 6. Arpita Sengupta Sadhu |
| 7. Debaditya Bhattachariya | 8. Shyam Dhanuk |

J. Disciplinary Sub-Committee:

- | | |
|--------------------------------------|-----------------------------|
| 1. Sutapa Mukhopadhyay (Chairperson) | 2. Nilanjana Sen (Convener) |
| 3. Shipra Ghosh | 4. Ranjini Basu |
| 5. Rajesh Das | 6. Piyalee Dash Sharma |
| 7. Joyita Mitra | 8. Shambhu Nath Chakraborty |

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Different Sub-Committees of our College were formed in the Teachers' Council Meeting held on 20.11.2019

Chair Person of all Committees: Dr. Shib Sankar Sana

1. **Academic Sub-Committee:** Joyita Mitra(Convener), Sudakshina Ghosh, Sutapa Mukhopadhyay, Ranjini Basu, Rajesh Das, Mahananda Roy, Piyalee Dash Sharma, Nilanjana Sen, Sweety Sadhukhan, Arpita Sengupta Sadhu, Rudra Prasad Das, Debasish Das, and Raja Mukherjee.
2. **Library Sub-Committee:** Pallabi Sarkar(Convener), Sudakshina Ghosh, Sutapa Mukhopadhyay, Ranjini Basu, Joyita Mitra, Rajesh Das, Mahananda Roy, Piyalee Dash Sharma, Nilanjana Sen, Sweety Sadhukhan, Arpita Sengupta Sadhu, Rudra Prasad Das and Partha Sarathi Sarkar.
3. **Cultural Sub-Committee:** Sutapa Mukhopadhyay(Convener), Piyalee Dash Sharma(Convener), Arpita Sengupta Sadhu, Sweety Sadhukhan, Shipra Ghosh, Anupriya Chatterjee, Pallabi Sarkar, Rajesh Das, Namramita Bhuiya, Debasish Das and Kajol Sardar.
4. **Admission Sub-Committee:** Mahananda Roy(Convener), Joyita Mitra, Sudakshina Ghosh, Sutapa Mukhopadhyay, Ranjini Basu, Rajesh Das, Piyalee Dash Sharma, Nilanjana Sen, Sweety Sadhukhan, Arpita Sengupta Sadhu, Rudra Prasad Das, Debasish Das, and Raja Mukherjee.

Principal
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Secretary, Teacher's Council
Kishore Bharati Bhagini
Nivedita College (Co-Ed)

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Ref. No.....

Date

30. **Staff Welfare Sub-Committee:** Sudakshina Ghosh (Convener), Sutapa Mukhopadhyay, Ranjini Basu, Rajesh Das, Shipra Ghosh and Piyalee dash Sharma.
31. **Building Committee:** Siddhartha Biswas (Convener), Sutapa Mukhopadhyay, Rajesh Das, Mahananda Roy, Arpita Sengupta Sadhu, Dipak Karmakar and Prabir Sardar.
32. **NSS Committee:** Arpita Sengupta Sadhu (Program officer), Sutapa Mukhopadhyay, Joyita Mitra, Shipra Ghosh, Mahananda Roy, Piyalee Dash Sharma, Wangchuk Dukpa, Dipak Karmakar, Bapi Das, Prakash Mistri, Meheub Alam, Samir Kumar Das Ghosh, Prabir Sardar,
33. **Website Maintenance Sub-Committee:** Mahananda Roy (Convener), Rajesh Das, Dipak Karmakar, Rudra Prasad Das, Anupriya Chatterjee, Raja Mukherjee and Prabir Sardar,
34. **Equal Opportunity Cell:** Nilanjana Sen (Convener), Sutapa Mukhopadhyay, Shipra Ghosh, Piyalee Dash Sharma, Wangchuk Dukpa, Dipak Karmakar, Meheub Alam and Kajol Sardar.
35. **Exam Data Entry Cell:** Joyita Mitra (Convener), Mahananda Roy, Arpita Sengupta Sadhu, Piyalee Dash Sharma, Sweety Sadhukhan, Prakash Mistri, Wangchuk Dukpa, Dipak Karmakar, Meheub Alam and Rudra Prasad Das.
36. **Students' Welfare Sub-Committee:** Rajesh Das (Convener), Sutapa Mukhopadhyay, Mahananda Roy, Meheub Alam, Pallabi Sarkar, Dipak Karmakar and General Secretary (Ex-Officio).
37. **Routine Committee:** Joyita Mitra (Convener), Sudakshina Ghosh, Sutapa Mukhopadhyay, Ranjini Basu, Rajesh Das, Mahananda Roy and Dipak Karmakar.
38. **College Environment Committee:** Arpita Sengupta Sadhu (Convener), Anupriya Chatterjee, Mahananda Roy, Mousumi Roy, Anindita Mitra, Debasish Das and Raja Mukherjee

Principal
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Annexure 1.9.2

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Page :

Date : / /

Teacher's
Signature

*Environmental
Committee
Meetings*

Members:

1. Dr. Shit Sankar Sana, (Chairperson)
2. Dr. Anjita Sengupta Sadhu, (Convener)
3. Dr. Anupriya Chatterjee.
4. Mr. Mahananda Roy.
5. Dr. Mausumi Roy.
6. Ms. Anindita Mitra.
7. Mr. Debasis Das.
8. Mr. Raja Mukherjee.

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Ref. No. _____

Date 10/2/2020

NOTICE

This is hereby notified that a COLLEGE ENVIRONMENT COMMITTEE has been formed and approved by the Governing Body of the college in the meeting held on 20.11.2019.

The members are hereby informed that a meeting of the said committee will be held on 17.02.2020, at the Principal's chamber at 2:00 p.m.

Agenda:

1. Discuss about the functions of the committee
2. To frame guidelines for the functioning of the committee.

Copy to Members:

Dr. Anupriya Chatterjee

Mr. Mahananda Roy

Dr. Mousumi Roy

Ms. Anindita Mitra

Mr. Debasis Das

Mr. Raja Mukherjee

Indhu
Convener
College Environment Committee
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Sana
Principal
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Members Present :

- 1) Sana 17/2/20
- 2) ~~Indhu~~ 17/2/20
- 3) Anupriya Chatterjee 17/2/2020
- 4) ~~Indhu~~ Das 17/2/2020
- 5) Raja Mukherjee 17/2/20
- 6) Indhu Sengupta Sadhu 17/2/2020

Resolutions

The necessity of formation of this committee was discussed by the Principal, stating that

- (1) This committee was formed to be constantly vigilant on the environment of the college and its overall energy, water management in addition to providing awareness among all stakeholders.
- (2) This committee would work in co-ordination with the Eco-club of the college to promote greenery and celebrate different occasions such as environment day, mountain day, water day etc.
- (3) The above proposal was discussed with the Eco-club convener Dr. Anupriya Chatterjee, also a member of this committee and it was agreed that the events/programmes will be jointly organised as far as possible.
- (4) The committee members will be responsible for conducting annual green audit of the college.

- (5) The Principal instructed to organise at least two meetings to discuss solutions to various issues related to the maintenance of a sustainable development of the college.
- (6) Our committee member Mr. Mahananda Roy suggested to follow through the process of setting up of alternate energy resource.
- (7) It was discussed that the committee would keep a regular record of electricity consumption and suggest methods to minimise the bill.
- (8) The committee would also look into the various waste management protocols and make necessary arrangements of the proper disposal of e-waste.
- (9) A record of the plants needs to be maintained in respect to the green area of the campus. The Eco-Club convenor was entrusted with the responsibility of the same.
- (10) Suggestion was also put forward to increase our green area, arrange for indoor plants and build a green area on the terrace of the college.

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Date 14/12/2020

Ref. No.

NOTICE

The members of the COLLEGE ENVIRONMENT COMMITTEE are hereby informed that a meeting of the said committee will be held on 23.12.2020, at the Principal's chamber at 2:00 p.m. Those who cannot be present may join the meeting online through Google meet. Link will be given before the meeting.

Agenda:

1. To discuss about the role of the committee in maintaining Covid - 19 norms after the reopening of the college following pandemic.
2. Miscellaneous

Sadhu Sma

Copy to Members:

Dr. Anupriya Chatterjee
Mr. Mahananda Roy
Dr. Mousumi Roy
Ms. Anindita Mitra
Mr. Debasis Das
Mr. Raja Mukherjee

Convener
College Environment Committee
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Principal
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Members Present :

- 1) Sma 23/12/20
- 2) Sadhu 23/12/20
- 3) Anupriya Chatterjee 23/12/20
- 4) Mousumi Roy 23/12/20
- 5) Anindita Mitra 23/12/20
- 6) Debasis Das 23/12/20
- 7) Raja Mukherjee 23/12/20
- 8) Ananta Sanyal Sadhu 23/12/20

Resolutions

- (1) It has been decided that the meetings during the Pandemic would be held in the blended mode (some members can participate online given the situation)
- (2) It was decided that the committee members would keep a close watch on following of Covid-19 protocols strictly by the staff and students following the reopening of the college after the Pandemic.
- (3) It was suggested that a hand sanitizer dispenser be installed at the college entry and our staff gate-keeper was instructed not to allow students inside the premises without masks.
- (4) Programmes and celebrations during the Pandemic will be held in the online mode as far as practicable until further notice.

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Date: 14/11/21

Ref. No.

NOTICE

The members of the COLLEGE ENVIRONMENT COMMITTEE are hereby informed that a meeting of the said committee will be held on 22.11.2021, at the Principal's chamber at 2:00 p.m. Those who cannot be present may join the meeting online through Google meet. Link will be given before the meeting.

Agenda:

1. To discuss about the ban of single use plastic in the college campus
2. To set up captions at various points to spread environmental awareness among staff and students.
3. Miscellaneous

Copy to Members:

Dr. Anupriya Chatterjee
Mr. Mahananda Roy
Dr. Mousumi Roy
Ms. Anindita Mitra
Mr. Debasis Das
Mr. Raja Mukherjee

Convener
College Environment Committee
Kishore Bharati Bhagini
Nivedita College (Co.-Ed.)

Principal
Kishore Bharati Bhagini
Nivedita College (Co.-Ed.)

Blended Mode

Members Present:

- 1) Sama 22/11/21
- 2) SPO 22/11/21
- 3) Anupriya Chatterjee 22/11/21
- 4) Anindita Mitra 22/11/21
- 5) Raja Mukherjee 22/11/21
- 6) Debasis Das 22/11/21
- 7) Anpita Sanyal Sadhu 22/11/21

Resolutions

- (1) The college, has ~~not~~ taken the initiative to issue a ban on single use plastic from 1.12.2021 by order from the Principal.
environmental committee
- (2) Banners must be set up with the following symbols:
 - i) Ban on single use plastic
 - ii) Do not waste water
 - iii) Switch off lights and fans when not in use.
- (3) The captions/banners would be prepared on flex boards by professionals.
- (4) Prabir Das (Non-Teaching Staff) would be given the charge to arrange the flex boards.
- (5) Raja Mukherjee (Non-Teaching Staff) would follow through the whole process.

→

(6) The banners would have to be put up in the following locations:

- (i) Staff rooms
- (ii) landings
- (iii) toilets

- (iv) office room
- (v) notice boards.
- (vi) above washbasins.

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Page: / /
Date: / /
Assessure: 1-18-6



IT HAS BEEN HEREBY NOTIFIED THAT,
THERE HAS BEEN A BAN ON IDENTIFIED
SINGLE-USE PLASTIC ITEMS ON COLLEGE
PREMISES WITH EFFECT FROM 01/12/2021.

Sana (30/11
2021)

BY ORDER
PRINCIPAL

Principal
Kishore Bharati Bhagini
Nivedita College (Co-Ed)

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Date 22/2/22

Ref. No.

NOTICE

The members of the COLLEGE ENVIRONMENT COMMITTEE are hereby informed that a meeting of the said committee will be held on 07.03. 2022, at the Principal's chamber at 2:00 p.m.

Agenda:

1. Celebration of water day on 22nd March 2022
2. Miscellaneous

Copy to Members:

Dr. Anupriya Chatterjee

Mr. Mahananda Roy

Dr. Mousumi Roy

Ms. Anindita Mitra

Mr. Debasis Das

Mr. Raja Mukherjee

Sadhu
Convener
College Environment Committee
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Sana
Principal
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Members Present:

- 1) *Sana* 07/03/22
- 2) *Mousumi Roy* 07/03/22
- 3) *Anupriya Chatterjee* 7/3/22
- 4) *Anindita Mitra* 7/3/22
- 5) *Anupriya Chatterjee* 7/3/22
- 6) *Sana* 7/3/22
- 7) *Raja Mukherjee* 7/3/22
- 8) *Debasis Das* 7/3/22

Resolutions

- (1) It has been resolved that 'Water Day' would be celebrated on 22nd March by the Eco Club in collaboration with the Department of Geography. HOD, Department of Geography will be intimated about the programme by the Eco Club Convener.
- (2) The flex boards need to be fixed as soon as possible.
- (3) Focus should be on the celebration of events offline as official classes have resumed after the Pandemic.

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Date .. 25/5/22 ..

Ref. No.

NOTICE

The members of the COLLEGE ENVIRONMENT COMMITTEE are hereby informed that a meeting of the said committee will be held on 06.06. 2022, at the Principal's chamber at 2:00 p.m.

Agenda:

1. Celebration of Van Mahotsav and
2. Celebration of International Plastic Bag free Day 2022
3. Miscellaneous

Copy to Members:

Dr. Anupriya Chatterjee

Mr. Mahananda Roy

Dr. Mousumi Roy

Ms. Anindita Mitra

Mr. Debasis Das

Mr. Raja Mukherjee

Sadhu
Convener
College Environment Committee
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Sana
Principal
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Members Present:

- 1) Anindita Mitra 6/6/22
- 2) ~~APD~~ 6/6/22
- 3) Mousumi Roy 6/6/22
- 4) Raja Mukherjee
- 5) Anupriya Chatterjee 6/6/22
- 6) Debasis Das 6/6/22
- 7) Ananta Sanyal Sadhu 6/6/22

Resolutions

- (1) This meeting was held in absence of the Principal Sir on emergency grounds, taking due permission from him.
- (2) Van Mahotsav celebration is to be held in July without hampering the ongoing examinations, possibly on the last week of July.
- (3) The Eco-Club has been assigned the responsibility to celebrate "International Plastic free Day" this month if possible.

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Website kbbnc.ac.in



Date ... 2/9/22

Ref. No.

NOTICE

The members of the COLLEGE ENVIRONMENT COMMITTEE are hereby informed that a meeting of the said committee will be held on 19.09.2022, at the Principal's chamber at 2:00 p.m.

Agenda:

1. Create awareness among students on sustainable development goals
2. Celebration of World Health Day
3. Miscellaneous

Copy to Members:

Dr. Anupriya Chatterjee

Mr. Mahananda Roy

Dr. Mousumi Roy

Ms. Anindita Mitra

Mr. Debasis Das

Mr. Raja Mukherjee

Sadhu
Convener
College Environment Committee
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Sano
Principal
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Members Present:

- 1) *Sano* 19/09/22
- 2) *Anupriya Chatterjee* 19/9/22
- 3) *Mousumi Roy* 19/9/22
- 4) *Raja Mukherjee* 19/9/22
- 5) *Debasis Das* 19/9/22
- 6) *ABD* 19/9/22
- 7) *Anindita Mitra* 19/9/22
- 8) *Arhita Senyupte Sadhu* 19/9/22

Resolutions

- (1) It was resolved that students are to be made aware of sustainable development goals through events and programmes.
- (2) Preparations should be made about the celebration of World Health Day.

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Date ...13/4/23.....

Ref. No.....

NOTICE

The members of the COLLEGE ENVIRONMENT COMMITTEE are hereby informed that a meeting of the said committee will be held on 24.04. 2023, at the Principal's chamber at 2:00 p.m.

Agenda:

1. Commemorate various events and relevant dates related to environment
2. Promotion of environmental awareness among students
3. Miscellaneous

Copy to Members:

Dr. Anupriya Chatterjee

Mr. Mahananda Roy

Dr. Mousumi Roy

Ms. Anindita Mitra

Mr. Debasis Das

Mr. Raja Mukherjee

Ladhu
Convener
College Environment Committee
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Sana
Principal
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Members Present:

- 1) Sana 24/04/23
- 2) ~~Mou~~ 24/4/23
- 3) Anupriya Chatterjee 24/4/23
- 4) Mousumi Roy 24/04/23
- 5) Anshika Senapati Sadhu 24/4/23
- 6) Anindita Mitra 24/4/23
- 7) Raja Mukherjee 24/4/23
- 8) Debas Das 24/4/23

Resolutions

- (1) Mr. Mahananda Roy, member of the Eco Club suggested to arrange a meeting soon to discuss the preparation of green audit.
- (2) Students are to be made aware of environment related issues through the celebration of the following programmes as far as practicable:

JANUARY 5th - National Bird Day.

FEBRUARY 2nd - World Wetland Day.

MARCH 3rd - World Wildlife Day.

14th - International Day of Action for Rivers

18th - Global Recycling Day.

21st - World Forestry Day

22nd - World Water Day

APRIL 22nd - World Earth Day

MAY 22nd - International Biodiversity Day

31st - World No Tobacco Day.

PAGE: _____
DATE: / /

JUNE - 5th - World Environment Day
22nd - Rainforest Day

JULY 1st week - Van Mahotsav Week
3rd July - International Plastic Bag Free Day
25th - International Day for the
Conservation of the Mangrove Ecosystems
28th - World Nature Conservation Day

AUGUST 20th - Rajiv Gandhi Arshaya Urja Dinav

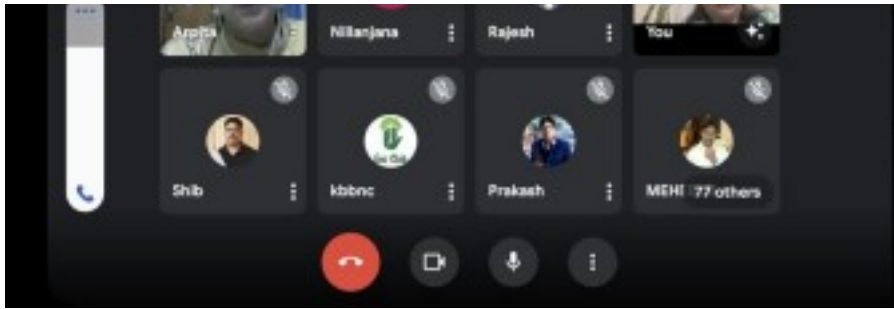
SEPTEMBER 16th - World Ozone Day
26th - Environmental Health Day

OCTOBER 1st week - Wildlife Week
Fourth Wednesday - Sustainability Day

NOVEMBER 1st - World Ecology Day

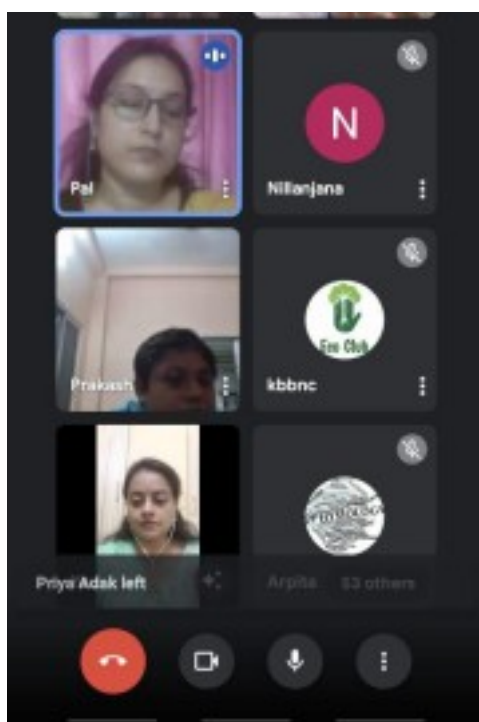
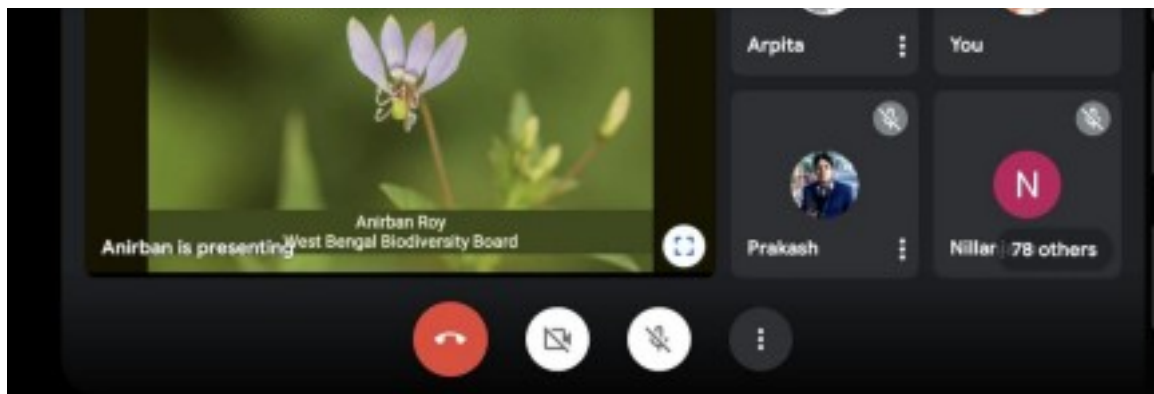
DECEMBER 5th - World Soil Day

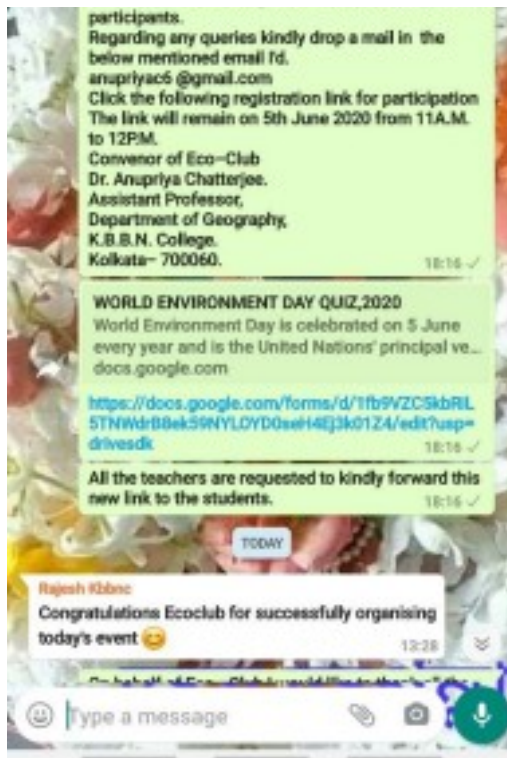




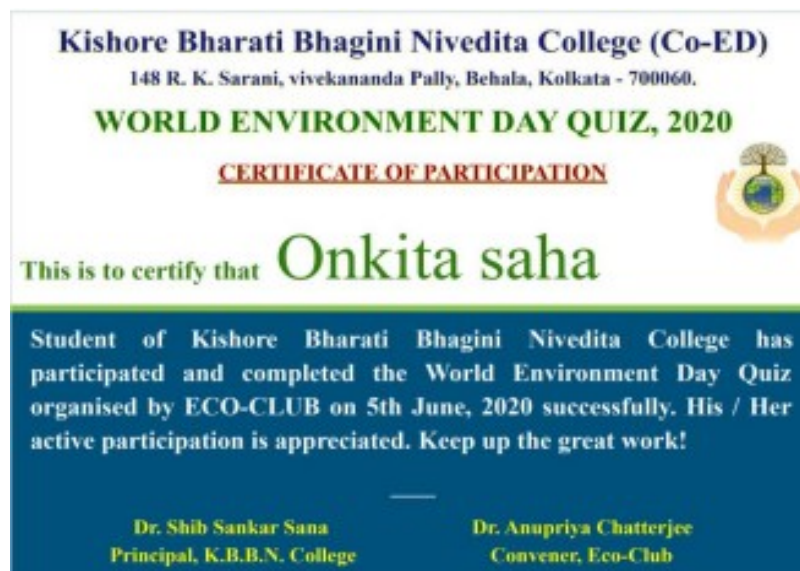
11/07/ 2023 SEMINAR







SAMPLE CERTIFICATE



SPECIAL LECTURE BY ANIRBAN ROY, 2021

22 STUDENTS PRESENT FOR ACTIVITY ON 30.9.2019

CLEAN-UP-DRIVE

1. Kuthika Kumari Rijphen	Gr I	31) Sowan Dey	Gr IV
2. Soumik Biswas.		32) Sanjay Halder.	
3. Sarojit Naskar		33) Sreetya Pradhan	
4. Soniya Dey		34) Rohida Khatun	
5. Riju Bhowmik		35) Nargish Mondal	
6. Susmita Shaw		36) Anindita Dutta	
7. Sriyanke Kayal.		37) Georgi Benik Chowdhury	
8. Saumika Sarkar		38) Ujjal Halder	
9. Priti Dutta		39) Deedar Bahadon	
10. Rahul Ghosh		40) Rahul Dey.	
11. Lubani Mondal			
12. Swapna Mondal		41) Anindita Acharyee	
13. Disha Bhowmik		42) Pritha Khaskeel	
14. Rangana Mondal		43) Nahreen Ahmed	
15. Sumana Naskar	Gr II	44) Sreemayee Banerjee.	Gr V
16. Priya Pal		45) Akash Bhattacharya	
17. Jayshree Ghosh		46) Soheb Alam	
18. Rima Mondal		47) Sk. Payel	
19. Pradip Gini		48) Ayushmaan Ghosh	
20. Biswanath Das		49) Supriya Mondal.	
21. Neha Mallick.		50) Abir Bhattacharjee	
22. Pusa Sardar		51) Nafisa Afsana Khatun	
23. Aparna Panda.		52) Sathi Mondal	
24) Indranil Sardar.	Gr III	53) Rima Naskar.	
25) Ayon Sardar		54) Payel Mistry	
26) KABITA MALLICK		55) Deepanjan Das	
27) Pranali Sardar		56) Sucharita Roy	
28) Prashima Sardar			
29. Soumita Sarkar			
30. Gazi moin Islam			

Annexure 1.14

YEAR	Date of Meeting	Purpose	Programme	Topic	Date	Time	No. of Students
2022-23		Celebration of earth day with department of geography	In collaboration with geography department, Celebration of Earth Day	Poster presentation on theme – ‘Invest in our planet’	22/04/2023	2.00-4.00 pm	50
	13/09/2022	To celebrate World Health Day on 26 th of September, 2022. Lectures to be delivered by college teachers and students to create awareness on SDG.	Strengthening Environmental Health Systems for the implementation of the SDG.			2.00-4.00 pm	52
2021-22	22/06/2022	To celebrate International Plastic Bag free day on 3 rd July, 2022 and Van Mahotsav on 2 nd week of July, 2022.	Due to Calcutta University exam the celebration could not be organized				
	09/03/2022	Celebration of World Water Day on 22 nd March, 2022 and student’s participation.	In collaboration with geography department, students have prepared posters regarding awareness of water conservation.			2.00-3.00 pm	38

Annexure 1.14

2020-21	Due to Covid – 19 Pandemic no programmes were organised in college premises. Online quiz was organized on 5 th June World Environment Day.						
2019-20	17/06/2019	Celebration of World Environment Day and Van Mahotsav on 22 nd of July, 2019	In collaboration with geography department, this lecture series has been organized.	Invited lecture by Prof.ParthaBasu on Global Warming and Dr.SubrataMaiti on Medicinal Plants and its uses in our daily life.	22/07/2019	12.00 - 4.00 pm	235
2018-19	13/02/2019	Organizing an orientation program for students about uses of plants in our daily life	In collaboration with geography department, this lecture series has been organized.	Invited lecture by Dr. SubrataMaiti on Uses of Medicinal Plants in our daily life	16/03/2019	12.30 – 2.30 pm	31
	14/01/2019	Organizing an orientation program for students about setting up herbal garden	In collaboration with geography department, this lecture series has been organized.	Invited lecture by Dr. SubrataMaiti on Application of Ethno-Medicinal Spicery in our day to-day life. Medicinal Plants in our daily life.	28/01/2019	12.30 – 2.30 pm	35
	10/09/2018	Making plans and programs for setting up herbal garden					

Annx. 1.16

Number of initiatives taken to engage with and contribute to local community during the last five years

Year	Date and duration of the initiative	Name of the initiative
2018-2019	18.07.2018	Eco club programme
	15.08.2018	Flag hoisting
	26.09.2018	Extension Lecture
	28.09.2018	Extension Lecture
	21.02.2019	Communicative programme
2019-2020	15.08.2019	Flag hoisting
	19.08.2019	Seminar and Photography contest
	22.07.2019	Eco club programme
	25.12.2019	Union programme
	21.03.2020	Union programme
	20.04.2020 and 25.04.2020	Union programme
2020-2021	27.04.2020	Union programme
	31.07.2020	National webinar
	05.08.2020-06.08.2020	State level webinar
	11.08.2020	National webinar
	17.08.2020	Webinar
	30.08.2020 - 31.08.2020	Webinar
	21.09.2020	National Webinar
	23.01.2021	Union programme
	18.02.2021	International webinar
	2021-2022	15.07.2021
17.07.2021		Eco club programme
27.07.2021		State level webinar
15.08.2021		Flag hoisting
15.08.2021		Union programme
31.12.2021		Union programme
21.02.2022		Communicative programme
06.04.2022		Poster making competition
20.04.2022		Wall Magazine
27.04.2022		Special lecture
2022 - 2023	27.04.2022	Student Seminar
	27.04.2022	Seminar
	01.10.2022	Union programme
	14.03.2022	Union programme

Plantation Programme:





Annx. 1.17.4



3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments in the institution during the last five years (INR in Lakhs)							
3.1.2 Percentage of departments having Research projects funded by government and non-government agencies during the last five years							
Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-Investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
YEAR: 2018 - 19							
YEAR: 2019-20							
YEAR: 2020-21							
YEAR: 2021 - 22							
Effects of types of food items and food presentation on the behaviour of fishing cat, <i>Prionailurus viverrinus</i> Bennett, 1833 (Carnivora: Felidae) in a confined environment: implication for conservation breeding	PI: Dr. Soumyajit Banerjee (Serampore College) Co-PI: Dr. Rudra Prasad Das (K.B.B.N. College)	Zoology	2021	Rs. 19.78 L (Ref. 282/WBZA/T-38/21-22, Dated 25/08/2021)	Four (04) Years	West Bengal Zoo Authority (Dept. of Forests, Govt. of West Bengal)	Government
Comment							
This project has been awarded jointly to Serampore College & KBBN College. Principal Investigator is from Serampore College, that's why they are receiving the total funding							
YEAR: 2022-23							
Studies on some edible fresh water and estuarine molluscs	PI - Dr. Mousumi Roy	Zoology	2023	Rs. 15,3660/-	One (1)	(Council of the Asiatic Society)	Government

KISHORE BHARATI BHAGINI NIVEDITA COLLEGE

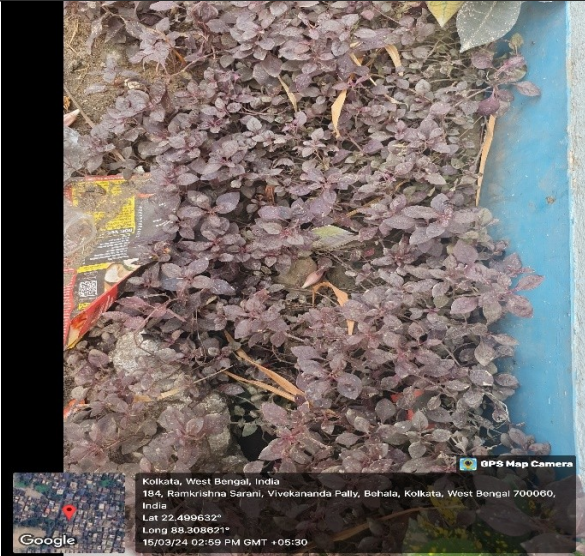

LIST OF TREES PRESENT IN COLLEGE PREMISES, SURVEYED BY ECO-CLUB.

SL NO	COMMON NAME	SCIENTIFIC NAME	USES	PHOTO	REMARKS
1	Nandini	Nandina Domestica	A decoction is used in the treatment of fever in influenza, acute bronchitis, whooping cough, indigestion, acute gastro-enteritis, tooth abscess, pain in the bones and muscles and traumatic injuries		Good Condition
2	Horjora	Cissus	Cissus quadrangularis is used for diabetes, obesity, high cholesterol, bone fractures, allergies, cancer, stomach upset, painful menstrual periods, asthma, malaria, wound healing, peptic ulcer disease, weak bones, weak bones (osteoporosis) and as body building supplements as an alternative to anabolic steroids.		Moderate condition

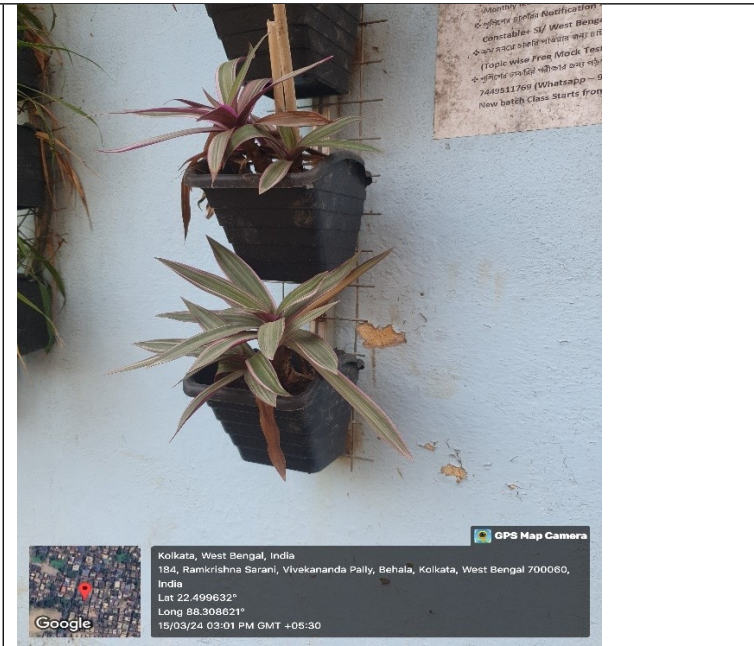
Annexure 1.17.18

3	Indian Beech Tree	MulleteaPinnata	<p>It has been used in ancient Ayurveda to make the cure for a variety of illnesses. It has antibacterial and anti-inflammation properties that can help deal with sudden illnesses like coughs and colds, and bacterial infections</p>		Moderate condition
4	'Gold Dust' Varigated Croton	Codiaeum Variegatum	<p>Its leaves and stem bark being used in the form of tea or pills for the treatment of diabetes, high blood cholesterol levels and gastrointestinal disturbances,¹⁰ as well as hepatic disturbances and weight loss.</p>		Good Condition


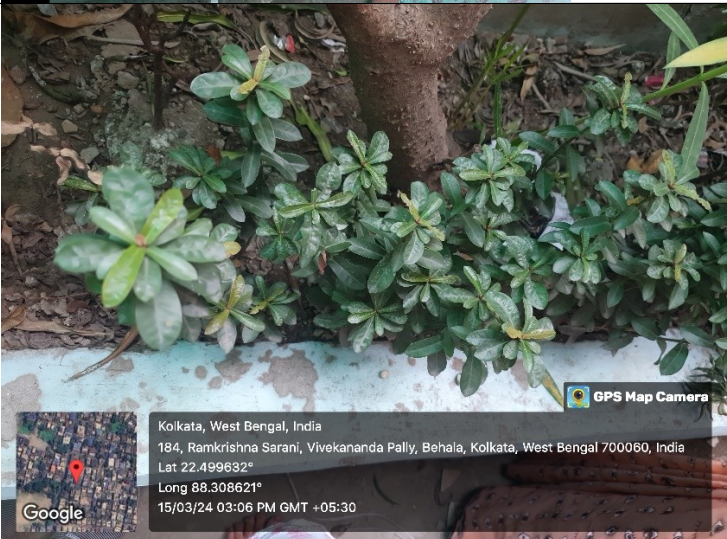
Annexure 1.17.18

5	Purple Prince	Alternanthera			Moderate condition
6	Spider Plant	Chlorophytumcomosum	<p>The most important spider plant indoor benefit is its ability to filter and purify the air in your home. 'This non-toxic plant is also perfect for filtering toxins from the air such as formaldehyde, toluene, and xylene.</p>		Moderate condition



Annexure 1.17.18

7	Mosses in the Cradle	Tradescantiaspethacea	Research supports the traditional use of Boat Lily to treat cough, bronchitis and sprains. Other traditional uses include treating fever, amenorrhea, headache and rheumatism.		Moderate condition
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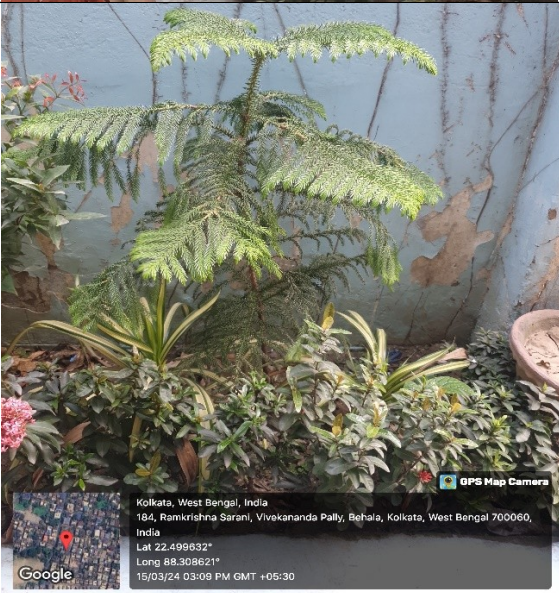
Annexure 1.17.18

8	Garden Croton	CodiaeumVarieagatum	The leaves are specified as herbal medicine for extravasated blood and swelling.		Good Condition
9	Chinese Rongon	Rhododendron fuyuanse	The essential oil distilled from the leaves is said to be calming. The fine-grained wood of many rhododendron species is used for making bowls, spoons, furniture and fences. It is also used for firewood, which produces a long-lasting heat, and for making charcoal.		Good Condition


Annexure 1.17.18

10	Karabi	NeriumOliander	One of the glycosides, oleanderin, used to treat patients with heart problems. Decoction of bark and leaves grounded in oil used to treat skin diseases.			Good Condition
11	Broadleaf Palm lily	Cordilinefrutecosa	Traditionally Cordyline frutecosa (L.) A. Chev. is being used for the treatment of various disorders, such as fever, headache, diarrhea, coughs, haemoptysis, small pox, madness, skin eruptions, joint pains, rheumatic bone pains, swelling pain and it is also used for abortion.			Good Condition



Annexure 1.17.18

<p>12</p>	<p>Common hibiscus</p>	<p>Hibiscus syriacus</p>	<p>Hibiscus Syriacus have many medicinal benefits. These include: The leaves of Hibiscus Syriacus have diuretic, expectorant, and stomachic properties. Hibiscus Syriacus is also used to treat itch and other skin diseases, dizziness, and bloody stools with a lot of gas.</p>		<p>Good Condition</p>
<p>13</p>	<p>Norfolk Island pine</p>	<p>Araucaria heterophylla</p>	<p>Natural air purifier, improving air quality and reducing allergens. Symbol of resilience, offering stress relief and a touch of nature's calm.</p>		<p>Good Condition</p>



Annexure 1.17.18

14	Chinese juniper	Juniper Chenensis	Juniper berries or extract of the plant has traditionally been used as diuretic, anti-arthritis, anti-diabetes, antiseptic as well as for the treatment of gastrointestinal and autoimmune disorders.		Good Condition
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Annexure 1.17.18

15	Euodea	Rutaceae	(Rutaceae) is a medicinal plant widely used in the Mediterranean region to treat pain, dermatitis, rheumatism, and other inflammatory diseases, but its use is limited by its potential toxicity.		Good Condition
16	Snake Plant	Dracaena Trifasciata			Good Condition



Annexure 1.17.18

17	Bamboo	<i>Dracaena sanderiana</i>			Good Condition
18	Song of India	<i>Dracaena Reflexa</i>			Good Condition

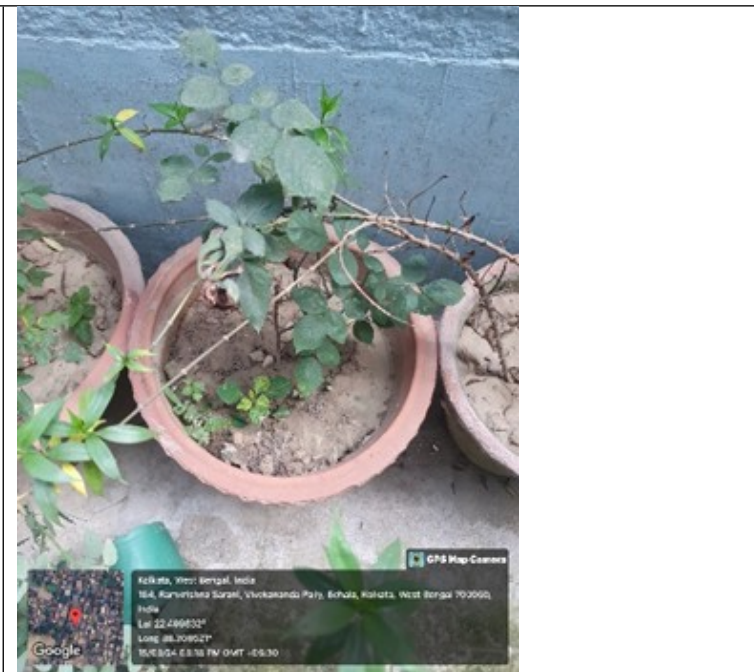
Annexure 1.17.18

19	Aloe Vera	Aloe Vera		 <p>A photograph of an Aloe Vera plant in a terracotta pot. The plant has thick, green, pointed leaves. The background shows a blue wall and a concrete floor. A GPS overlay at the bottom of the image provides location details: Kolkata, West Bengal, India; 184, Ramkrishna Sarani, Vivekananda Pally, Behala, Kolkata, West Bengal 700060, India; Lat 22.499632°; Long 88.308621°; 15/03/24 03:14 PM GMT +05:30.</p>	Moderate condition
20	Gondhoraj	GardeneaJasminoedes		 <p>A photograph of a Gondhoraj plant in a terracotta pot. The plant has large, green, ovate leaves. The background shows a blue wall and a concrete floor. A GPS overlay at the bottom of the image provides location details: Kolkata, West Bengal, India; 184, Ramkrishna Sarani, Vivekananda Pally, Behala, Kolkata, West Bengal 700060, India; Lat 22.499632°; Long 88.308621°; 15/03/24 03:15 PM GMT +05:30.</p>	Moderate condition



Annexure 1.17.18

21	Plum aralia	Polysuasscutallarea			
22	Chinesese Evergreen	AglaonemaCommutateen			Good Condition

Annexure 1.17.18

23	Rose	Rosa Multiflora			Moderate condition
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Annexure 1.17.18

24	Love bush	RalanchoePinnata			Good Condition
25	Sugi	Cryptomeriajaphonica			Good Condition



Annexure 1.17.18

26	Fig tree	FicusVariegata			Good Condition
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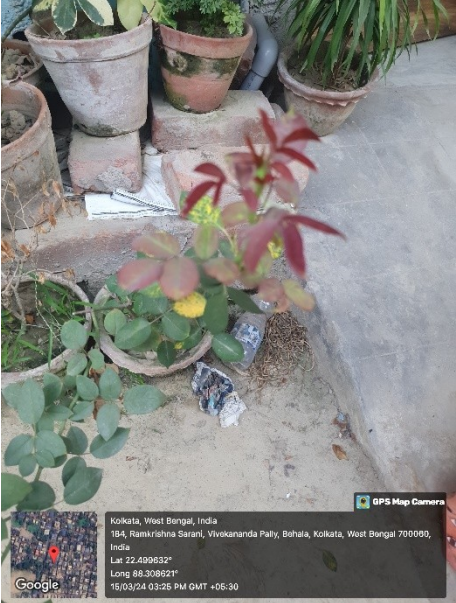
Annexure 1.17.18

27	Dwarf Tree	Polysciasfruticosa			Good Condition
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Annexure 1.17.18

<p>28</p>	<p>HeptapleurumArboricola</p>	<p>Varigated Dwarf umbrella tree</p>			<p>Good Condition</p>
<p>29</p>	<p>Dracaena</p>	<p>DracalnaAngustifolia</p>			<p>Good Condition</p>

Annexure 1.17.18

30	Red rose	Rosa Rubiginosa			Good Condition
31	Rubber Plant	Ficus elastica			Good Condition
32	Areca palm	Dypsis lutescens			Good Condition
33	Thuja	Thuja Occidentalis			Good Condition
34	Foxtail palm	Wodyetia bifurcata			Good Condition
35	Rabies palm	Rhapis excelsa			Good Condition
36	Bottle palm	Hyphorbelagenicaulis	Palm oil. Some 80% of palm oil is used for human consumption: margarine, basic vegetable fat, food oil, cooking oil and specialist fats. It is also used to make derivatives for industrial use: fatty acids, soaps and cosmetics, industrial soaps, inks, resins, methyl esters, and so on.		Good Condition

Annexure 1.17.18

37	Phoneix palm	Phoneixcanariensis	Palm oil. Some 80% of palm oil is used for human consumption: margarine, basic vegetable fat, food oil, cooking oil and specialist fats. It is also used to make derivatives for industrial use: fatty acids, soaps and cosmetics, industrial soaps, inks, resins, methyl esters, and so on.		Good Condition
38	Mandirjhau	Tamarixdioica	It is sometimes used to make medicine. People take Tamarixdioica for swelling (inflammation) of the liver (hepatitis), fever, and kidney disorders.		Good Condition
39	Tulsi	Ocimumtenuiflorum	These studies reveal that tulsi has a unique combination of actions that include: Antimicrobial (including antibacterial, antiviral, antifungal, antiprotozoal, antimalarial, anthelmintic), mosquito repellent, anti-diarrheal, anti-oxidant, anti-cataract, anti-inflammatory, chemopreventive and radioprotective.		Good Condition
40	Neem	Azadirachtaindica	Neem leaf is used for leprosy, eye disorders, bloody nose, intestinal worms, stomach upset, loss of appetite, skin ulcers, diseases of the heart and blood vessels (cardiovascular disease), fever, diabetes, gum disease (gingivitis), and liver problems. The leaf is also		Good Condition

Annexure 1.17.18

			used for birth control and to cause abortions.		
41	Curry plants	Murrayakoenigii	Rich in Antioxidants: Curry leaves are packed with antioxidants such as vitamin C, vitamin A, and flavonoids that help neutralize free radicals, reducing oxidative stress and lowering the risk of chronic diseases.		Good Condition

Surveyed and documented by ECO-CLUB

		<p>Survey Team:</p> <p>Convener of Eco-Club</p> <p>Students: Prajukta Jana Sriparna Bhandari Sayani Das</p>
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ANNEXURE 1.18.6

KISHORE BHARATI BHAGINI NIVEDITA COLLEGE (CO-ED)
148, Ramkrishna Sarani, Behala, Kolkata-700060.

ESTD-2001
Website: www.kbbnc.ac.in
Email Id: kbbncollege@gmail.com



**IT HAS BEEN HEREBY NOTIFIED THAT,
THERE HAS BEEN A BAN ON IDENTIFIED
SINGLE-USE PLASTIC ITEMS ON COLLEGE
PREMISES WITH EFFECT FROM 01/12/2021.**

Sana (30/11
2020

**BY ORDER
PRINCIPAL**

Principal
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Kishore Bharati Bhagini Nivedita College (Co-Ed)					
Electricity (Units Consumed)					
Month	2018-'19	2019-'20	2020-'21	2021-'22	2022-'23
July	2122	2044	61	239	1755
August	2406	2174	271	822	1285
September	1986	1768	270	917	1964
October	1104	508	0	1028	548
November	912	1270	1141	679	1306
December	743	714	360	1327	842
January	850	757	455	171	768
February	1274	970	551	1140	1119
March	1304	0	628	877	1493
April	1788	0	668	3157	1113
May	1538	0	531	1079	1791
June	1481	1190	532	1156	714
Total	17508	11395	5468	12592	14698
Average	1459	949.5833333	455.6666667	1049.333333	1224.833333
Electricity charges per session					
2018-'19	₹160219				
2019-'20	₹88600				
2020-'21	₹43420				
2021-'22	₹63410				
2022-'23	₹166928				

Annexure 3.1.1

Annexure 3.1.3

Floor	Room No.	Flourescent	LED tube	LED bulb	CFL	Normal bulb	Fan
Ground	Office Old		5	3			4
	Office New		5				5
	Bursar room		1				1
	Staff room		8				5
	Principal's room		5				4
	Store room		1				1
	Corridor		4				
	Staff toilets			2			
	Union room		2				3
	Canteen		4		2		3
	Entrance		1				1 table fan
	Total		36				27
Floor	Room No.	Flourescent	LED tube	LED bulb	CFL	Normal bulb	Fan
1	Woman's Common Room		5	7			3
	Room 9		4				4
	Room 8		3				2
	Room 7		4				4
	Room 16		5				8
	Room 11		3				1
	Corridor(11-15)		3				
	Room 12		3				2
	Room 13		4				
	Room 14		2				
	Room 15		5				2
	Larger Inner Corridor		5				
	Total		44				26
Floor	Room No.	Flourescent	LED tube	LED bulb	CFL	Normal bulb	Fan
2	17		4				7
	18		2				4
	19		2				4
	20		2				2
	21		2				2
	22		3				5
	Library		7				3
	24		2				2
	Soil Lab		2				3

**KISHORE BHARATI
BHAGINI NIVEDITA COLLEGE (Co.-Ed.)**

ESTD. 2001

148, RAMKRISHNA SARANI, VIVEKANANDA PALLY,
BEHALA, KOLKATA - 700 060, PH. : 2404 3206

E-mail ID : kbbncollege@gmail.com

Website kbbnc.ac.in



Ref. No.....

Date 22.07.2024

Certificate of Recognition

This is to certify that the undersigned persons have visited the college premises of Kishore Bharati Bhagini Nivedita College (Co-Ed) affiliated under the University of Calcutta and observed that they have organized several awareness programmes and seminars to enrich the knowledge of all stakeholders. They have taken several initiatives to keep the college campus area clean and green. They are also maintaining their campus to be plastic free and smoking is prohibited in the campus of the College.

The Principal, Teaching and nonteaching staff and students participate regularly in seminars/workshops and plantation programmes conducted by the College. The staffs of Kolkata Municipality Corporation (KMC) collect all litter (soft and hard particles) from the college campus regularly.

Avijit Mukherjee 23/7/24

AVIJIT MUKHERJEE
Councillor, Ward No. 130
The Kolkata Municipal Corporation

Bana 22/07/24

Principal
Kishore Bharati Bhagini
Nivedita College (Co-Ed.)

Green Area Management





