



P N Das College



GREEN AUDIT REPORT 2021-2022

-----PREPARED BY-----

Global EHS Consultant

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CERTIFICATE

PRESENTED TO

P N DAS COLLEGE

Affiliated to West Bengal State University

Santinagar, Palta, Kolkata-743122

Has been assessed FY 2021-22 by Global EHS Consultant Pvt.Ltd for the comprehensive study of environmental impacts on institutional working framework to fulfill the requirement of

GREEN AUDIT

The green initiatives carried out by the institution have been verified on the report

Submitted and was found to be satisfactory.

The efforts taken by the management and the faculty towards environment and sustainability are appreciated and noteworthy.

Date: 30th November 2022

ACKNOWLEDGEMENT

We would like to express a deep sense of gratitude to the authorities of P N Das College for giving us opportunity to carry out the Green Audit of the college campus. We also acknowledge with much appreciation the crucial role of faculty members and Principal of this college during the preparation of audit report.

The green audit aims to analyze environmental practices within P N Das College, West Bengal campus which will have an impact on the eco-friendly atmosphere. Green audit can be defined as systematic identification, quantification, recording, reporting and analysis of components of college environment. It was initiated with the motive of inspecting the effort within the institutions whose exercises can cause threat to the health of inhabitants and the environment. Through the green audit, a direction is provided as how to improve the structure of environment and there are several factors that have determined the growth of the green audit.

P N Das College, Santinagar, Palta, Kolkata-743122 has assigned Global EHS Consultant, Kolkata to conduct green audit as per the Criteria 7 of NAAC. Global EHS Consultant (GEHSC), Kolkata is the foremost provider of country-specific and industry-academic specific EHS (Environment, Health, and Safety) regulatory analysis. GEHSC, Kolkata is a research and advisory firm with country experts and partners over outside India. GEHSC, Kolkata has delivered critical business and regulatory intelligence to corporate managers and decision-makers around India.

Dr. Susanta Podder (Grad IOSH, PhD, M. Tech, Lead Auditor of ISO 14001, ISO 45001, and ISO 9001) Chief advisor of Global EHS Consultant, Kolkata and Adjunct Associate Professor, Lincoln University, Malaysia along with Ms. Lopamudra Das (Associate Environmental Auditor) visited P N Das College campus on **30.11.2022** and carried out the assessment for FY 2021-22.

The aim of the Green Audit is to survey the existing environmental practices and to assess the significance of the features found to facilitate the development of Environment Action Plan (EAP) with clear, long-term objectives and the program for implementation.

The overall environment of the college campus is being safe guarded with various activities. The utilization of the renewable resources is being observed through rainwater harvesting unit, reuse of wastewater and green coverage across the college campus.

Waste Management is also effectively managed through safe disposal systems of wet and dry waste. Apart from the implementation of the above, the college management has also been very keen on involving students continuously in creating awareness through several activities.

From Global EHS Consultant, Kolkata



8/10/2022
(Dr. Susanta Podder)

Grad IOSH, PhD, M. Tech,

Lead Auditor of ISO 14001, ISO 45001, and ISO 9001

Chief advisor of Global EHS Consultant, Kolkata

Concept And Context

Concept

The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory from the academic year 2016 onwards that all Higher Educational Institutions should submit an Annual Green or Environment Report. Green Audit is assigned to the Criteria 7 of NAAC, National Assessment and Accreditation Council which is a self-governing organization of India that declares the institutions as Grade A, Grade B or Grade C according to the scores assigned at the time of accreditation. Moreover, it is part of Corporate Social Responsibility(CSR) of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming through Carbon Footprint reduction measures.

In view of the NAAC circular regarding Green auditing, the college management decided to conduct an internal environment assessment study by a competent internal professional auditor. The green audit aims to examine environmental practices within and outside P N Das college campus which impact directly or indirectly on the atmosphere. Green audit can be defined as systematic identification, quantification, recording, reporting and analysis of components of college environment. It was initiated with the intention of reviewing the efforts within the college whose exercises can cause risk to the health of inhabitants and the environment.

Through the green audit, a direction as how to improve the structure of environment and inclusion of several factors that can protect the environment can be commenced. This audit focuses on the Green Campus, Waste Management, Water Management, Air Pollution, Energy Management & Carbon Footprint etc. being implemented by the institution.



Context

In India, the process for environmental audit was first mentioned under the Environment Protection Act, 1986 by the Ministry of Environment of Forest and Climate Change (MOEFCC) on 13th March, 1992. As per this act, every person owning an industry or performing an operation or process needs a legal consent and must submit an environmental report or statement.

In view of the NAAC circular regarding environment auditing, the College Management decided to conduct an internal environment assessment study by a competent internal professional auditor headed by Prof.(Dr) Sharmila De, Principal of Palta College. The college first started green audit in the year 2016 and accredited with grade 'B'.

The term 'Environmental Audit' or 'Green Audit' means differently to different people. Terms like 'assessment', 'survey' and 'review' are also used to describe similar activities. Furthermore, some organizations believe that an 'environmental audit' addresses only environmental matters whereas others use the term to mean an audit of health, safety and environment-related matters. Although there is no universal definition of Green Audit, many leading companies/institutions follow the basic philosophy and approach summarized by the broad definition adopted by the International Chambers of Commerce (ICC) in its publication of Environmental Auditing (1989).

The **ICC defines Environmental Auditing** as:

"A management tool comprising a systematic, documented, periodic and objective evaluation of how well environmental organization, management and equipment are performing with the aim of safeguarding the environment and natural resources in its operations/projects."

The outcome of audit should be established with concrete evidence that the measures undertaken and facilities in the college under green auditing. This audit focuses on the Green Campus, Waste Management, Water Management, Air Pollution, Energy Management & Carbon Footprint etc. being implemented by the college.

Introduction

Now days, the educational institutions are becoming more thoughtful towards the environmental aspects and as a result new and innovative concepts are being introduced to make them sustainable and eco-friendly. To preserve the environment within the institution, a number of viewpoints are applied by the several educational institutes to solve their environmental problems such as promotion of the saving the energy, waste recycle, water consumption reduction, water harvesting and many more.

The activities carried out by the institution can also create adverse environmental impacts. Green audit is defined as an official inspection of the effects a university has on the environment. Green Audit is conducted to evaluate the actual scenario at the institution campus. Green audit can be a useful tool for a college/university to determine how and where they are using the most of the energy or water or resources; the college can then decide how to implement changes and make savings. It can also be used to determine the nature and volume of waste, which can be used for a recycling project or to improve waste minimization plan.

Green auditing and the application of mitigation measures is a win-win situation for all the institutions, the learners and the mother earth. It can also result in health awareness and can promote the environmental awareness, values and beliefs. It provides a better understanding to staff and students about the Green impact on institution. Green auditing also upholds financial savings through reduction of resource usage. It gives an opportunity to the students and teachers for the development of ownership of the personal and social responsibility. The audit process involves primary data collection, site walk through with the team of College including the assessment of policies, activities, documents and records.



Overview Of The College

History

Half a century ago nobody knew Santinagar, some steps away from Palta Railway Station on the Sealdah (North) Section. However, due to the partition of Bengal, this area witnessed sudden demographic growth. Incidentally, a large number of inhabitants belonged to backward classes of the society. Vast agricultural fields, water bodies and a drainage canal - all in combination - then meant Santinagar. Some energetic persons led by Late Nihar Bose, an eminent social worker and sometimes a minister in the Government of West Bengal took the initiative for social amelioration.

The very first thing towards that direction which they did was the establishment of educational institutions. Primary schools to a college were all clubbed together in very close proximity. One of the end results was the establishment of P N Das College on 20th August, 1962 in which Sri Debesh Das, a well-wisher donated a huge sum of facilitate the establishment of the college in the name of his father, Late Priya Nath Das (P N Das). Suddenly, Santinagar assumed a respectable seat in the field of higher education. P N Das College got affiliation from the University of Calcutta for teaching some subjects in the Arts faculty and in 1975-76 the department of Commerce was affiliated with the same. Subsequently, Honours, Commerce courses and in different courses in the Arts faculty were extended by the university. Affiliation of the B.Sc (General) stream was also obtained in 2003-04.

Overview

P.N.Das College was established in 1962, affiliated to Calcutta University from the academic session 1962-63. Presently it is affiliated to West Bengal State University. The curriculum is set by the WBSU and the college has CBCS curriculum and syllabi since the academic year 2018-2019.

The college campus measures 4.3 acres of land of latitude 22°47'2.06"N and longitude 88°22'46.39"E constituting a vast expanse of green fields dotted with tall trees and a water body. The college building has science, arts, commerce and administrative work encircle the greenery. The college has five buildings and a separate hostel for female students. Most of the buildings are in relatively good condition. Facilities available at the college include smart

classrooms, a well-equipped library, laboratories, old academic block, Nihar Basu Memorial block indoor sports stadium (under construction), skill-Development zone, no harassment zone, Anti-ragging cell, Internal Complaints Committee and Grievance Redressal Cell, well-maintained ground and a garden. In addition to the regular academic programmes, special lectures, educational tours, industrial visits etc are organized by the college. Special care is taken for the overall development of the student's capacity for social interaction. Workshop on skill development, quiz and debates are held to nurture and enhance soft skills. Continuous internal assessments are conducted where the slow learners are identified and special guidance is offered to them. The college prepares the students for a competitive and job-oriented examination where free entry in coaching services is arranged for the betterment of students. The entire campus is Wi-Fi enabled, the library is automated and E-books and E-journals are readily available. The college campus is eco-friendly. NSS activities are encouraged by the college and involve the students in various extension and outreach activities. The campus is clean, green & free from single-use plastic and provide conducive environment for teaching and learning.

The college has taken considerable effort to use Information and Communication Technology (ICT) and most of the day-to-day record-keeping is computerized. Special attention is given to the slow learners for which extra classes and remedial classes are held for the upliftment of the academic standard of the students. The college library uses the open-source Koha Cloud Platform and the college website is well-designed and easy to navigate. Earn-while-you-learn are a beneficial program for the students. Frequent exhibitions, book-talks, best library user award and other programmes are organized at the college library to inculcate the habit of reading in students. Teachers have been using ICT from the academic session 2017-18 and the IQAC arranges regular retraining programmes for technical up gradation of teachers. All records of the IQAC, Departments are stored digitally. A video recording facility has been set up to enhance the quality of video lectures. Regular feedback from students is encouraged for improvement of academic, administrative and infrastructural standards of the college. The college presently has student strength of approximately 90, 17 permanent full-time teachers, one librarian, 6 permanent part-time teachers and 12 management appointed teachers and 2 guest-lecturers. Database of students feedback, discussions in the meetings of academic and governing committee, IQAC, finance committee, internal academic audit, financial audit reports, academic results and continuous effort in keeping pace with the global change at this level and analysis of the results reached upon have helped to carry out the SWOT analysis.

Facilities

Seminar Hall

The seminar hall is the ideal venue for seminars and workshop to talk and deliver lecturers to the students of Palta College to provide them with better and closer insight into the working of their different fields. The conference and lecturers not only provide the students with first-hand information about the working of various fields but also give them an opportunity to get their doubts cleared by asking questions from the guests. The guest speakers initially deliver their lecture telling the students about their work, the challenges they face, the difficulties they overcome and so on, and after that the students are given an opportunity to ask questions and clear their doubts if any.



Canteen

The Palta College has a nice cafeteria of domestic gas cylinder that offers a wide variety of snacks to students and staffs at reasonable rates.



Catchment Area

The catchment area of the college is guarded by WP shield which is a good cover for water & dam proofing, resulting in a cool environment inside classrooms and other rooms.



Transport Services

P N Das College has one cycle-stand which can hold approx 300 bicycles per day accompanied by two and four-wheeler stand which can hold approx 10-15 vehicles per day. Therefore, the college has spacious accommodation in respect of transport facilities.



Playground

P N Das college provides all kinds of sports activities and encourages students to take part in games and to ensure their all-round development. The college arranges one annual sport of which cricket is a preferred choice. During winter, students engaged in badminton, football etc.



Library

The library of the college has gone strength to live up to the expectations of immediate clientele with state of exhibition section. The library has been carefully designed to have more space and natural lighting for the comfort of readers. The central library supports teaching, learning and research across a wide range of all conceivable disciplines with its resource of approx 14813 books, 16 periodicals-CDs, 31,35000 e-books and 6000 e-journals. The college has departmental library as well.



Medical Unit

The college has a medical facility for students as well as for teachers and staffs for emergency purposes equipped with first-aid box and rest room. The unit is serving for 7 years to all college members.



Labs

The science building of the college has well-equipped labs of department such as chemistry, physics, geography, computer science etc with facilities of computers, equipments and instruments as well. Students get good exposure of practical knowledge of their subject in perspective of theoretical aspects as well.



Hostel

P N Das college has accommodation facility for students with round the clock security arrangement and has dining room, recreation room and study rooms.



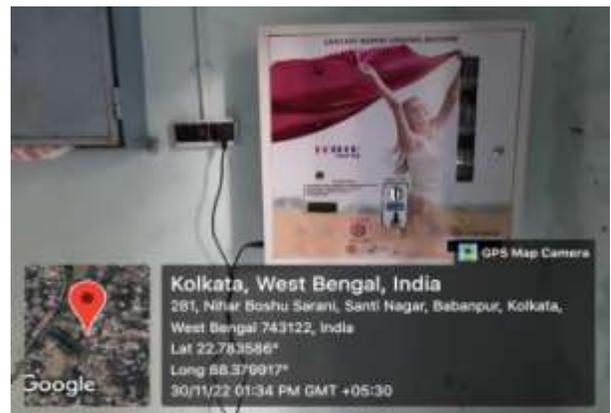
Gym

P N Das college has well equipped gym for fitness both for girls and boys. NCC students use gym corner the most.



Vending Machine

The college has implemented sanitary vending machine this year which is a great initiative for the female population from the college authority.



Automatic Hand Sanitizer

The college has automated hand-sanitizer machine from covidtime which increase the cleanliness awareness among students and students have adapt the habit of cleanliness as well.



Courses Offered

B.A.Honours (Bengali, English, Political Science, History, Education, Geography)

B.A.General (Bengali, English, Hindi, Sanskrit, Education, History, Political Science, Geography, Philosophy, Physical Education, Economics)

B.Sc Honours
(Geography)

B.Sc General
(Mathematics, Physics, Chemistry, Computer Science, Geography, Economics, Political Science)

B.Com Honours
(Accounting and Finance)

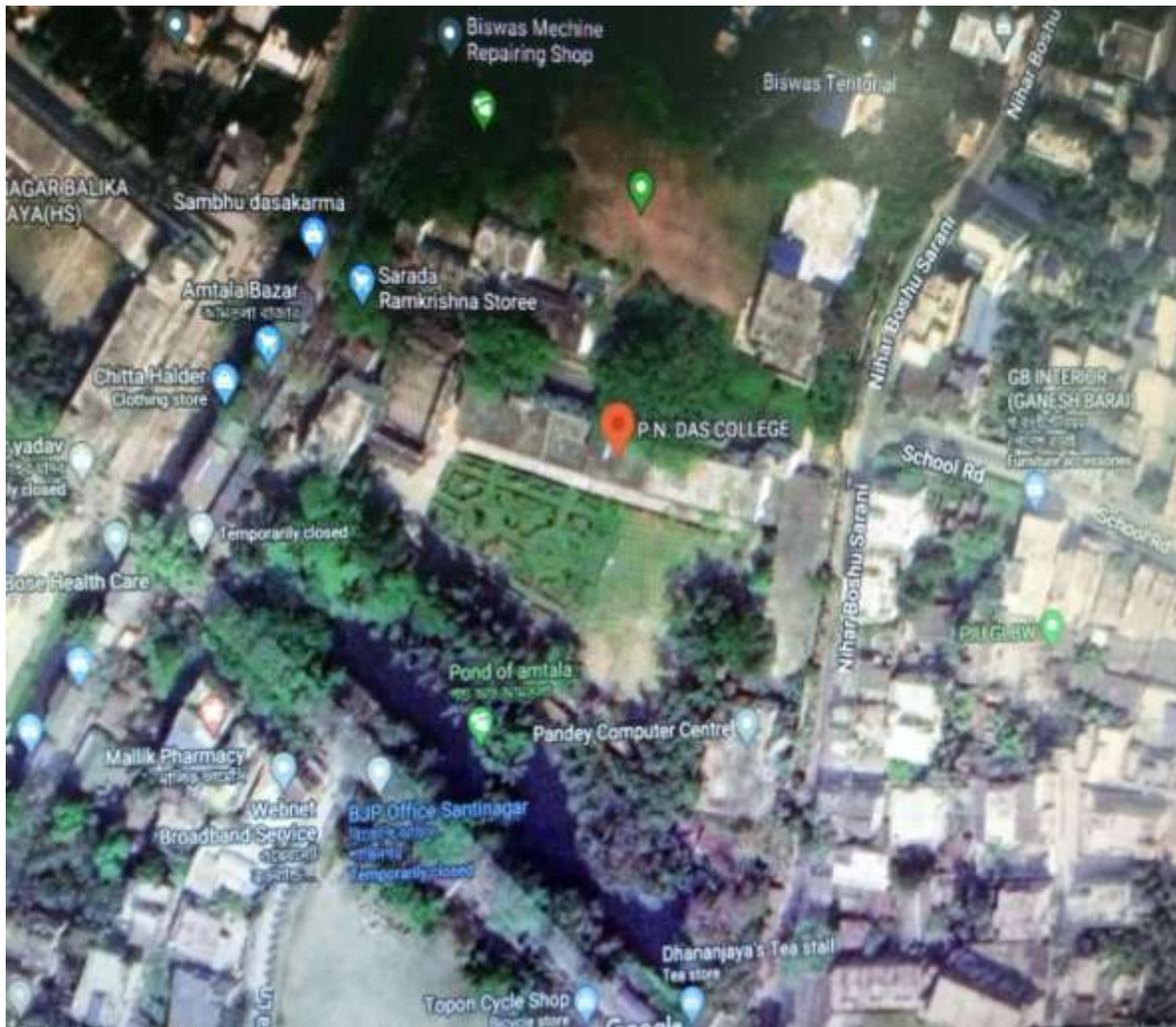
B.Com General
(Accountancy, Statistics, Economics)

Presently, P N Das college offers around 15+ courses featuring a wide selection of general and honours undergraduate courses. P N Das college has 16 faculties namely:

DEPARTMENTS	FACULTY MEMBERS	DESIGNATION
Mathematics	Dr. Bablu Biswas (Ph.D)	Associate Professor
English	1.Sri SumanRanjan Banerjee (M.A.) 2.Smt.Kakoli Sen Banerjee(M.A.) 3.Smt MrittikaMalakar(M.A.) 4.Smt Amrita Sarkar(M.A.)	Assistant Professor Assistant Professor SACT SACT
History	1.Sri Sanjib Kumar Dhar(M.A.) 2.Sri Goutam Biswas(M.A.) 3.Sri Sayan Choudhury(M.A.)	Associate Professor AssistantProfessor SACT

	4.Smt Jhumpa Bose(M.A.)	SACT
Political Science	1.Dr. Sutapa Bhattacharya(Ph.D) 2.Dr. ThakurdasTudu(Ph.D) 3.Sri Sukumar Sarkar(M.A.) 4.Smt Sangita De(M.A.)	Associate Professor Associate Professor SACT SACT
Philosophy	1.Smt. DipaChakraborty(M.Phil) 2.Smt SuchandraChouwdhury(M.A.)	Associate Professor SACT
Bengali	1.Dr.Basumita Tarafdar(Ph.D) 2.Dr. Sakhawat Hossain(Ph.D)	Associate Professor Associate Professor
Economics	1.Dr.Madhuchandra Lahiri(Ph.D) 2.Smt. Priya Biswas(M.A.)	Assistant Professor Assistant Professor
Hindi	Sri. Ajay Choudhury(M.A.)	Assistant Professor
Education	1.Smt. Bonny Samanta(M.Phil) 2.Smt.Deboshree Bhattacharya(Das)(M.A.)	Assistant Professor SACT
Physical Education	Dr.Ajit Das(Ph.D)	Assistant Professor
Geography	1.Dr. Chandan Sarkar(Ph.D) 2.Sri. Rajarshi Ghosh(M.Sc) 3.Smt. Debaroti Das(M.Sc)	Assistant Professor SACT SACT
Sanskrit	1.Sri Santanu Kumar Singha(M.A.) 2.Dr.Manas Kumar Ghosh(Ph.D)	SACT SACT
Physics	1.Prof(Dr) Sharmila De(Ph.D) 2.Sri Podesh Sarkar(M.Sc)	Principal SACT
Chemistry	Sri ParthaPratim Bhattacharya(M.Sc)	SACT
Computer Science	Sri Nepal Malik(M.Sc)	Guest Lecturer
Commerce	1.Sri Amal Kumar Bhakat(M.Com) 2.Dr. MohasinMallick(Ph.D) 3.Sri MrinalKantiDatta(M.Com) 4.Smt Sangita Bag(M.Phil)	Associate Professor Associate Professor SACT SACT

Google Map–SatelliteViewofP N Das College Campus



Vision Mission & Objectives of P N Das College

The college has drawn its vision and mission which has been defined keeping in view of the objective of the college enriched in its act.

VISION

The vision of the college is to achieve while remaining faithful to its commitment to the empowerment of the weaker sections of the society through knowledge that equips and enlightens.

MISSION

- To equip and empower students, especially from displaced (consequent to the Partition of the nation) and socio-economically backward families with updated knowledge, competence and creativity to face global challenges.
- To impart value based and value added education to breed a set of socially responsible and self- confident citizens for the future.
- To educate the pupils and to enlighten them with the idea of and pride in the rich cultural tradition of our nation.
- To evolve innovations in teaching-learning, research and extension activities to achieve national standards.
- To promote women's education.
- To generate consciousness of our national heritage and value system along with a rational, scientific temper and sensitivity to issues related to human rights and environment.
- To realize the constitutional goal of equity through education to all, irrespective of caste and creed.

OBJECTIVES

To promote higher education and to make the students ready to face the challenges of the globalised economy.



Audit Participants

On behalf of P N Das College

NAME	POSITION
Dr. Sharmila De	Principal
Dr. Bablu Biswas	Coordinator, Swachhata Cell
Dr. Mohasin Mallick	Convener, Waste Management
Prof. Sanjib Kumar Dhar	Convener, Hygiene & Sanitation
Dr. Chandan Sarkar	Convener, Rainwater Harvesting
Prof. Goutam Biswas	Convener, Energy Conservation
Prof. Amal Kumar Bhakat	Convener, Green Campus & Beautification

On behalf of Global EHS Consultant Pvt. Ltd

NAME	POSITION	QUALIFICATIONS
Dr. Susanta Podder	Lead Auditor	Ph.D, M.Tech, Lead Auditor ISO 14001, 45001, 9001
Lopamudra Das	Co-Auditor	M.Sc in Environmental Management

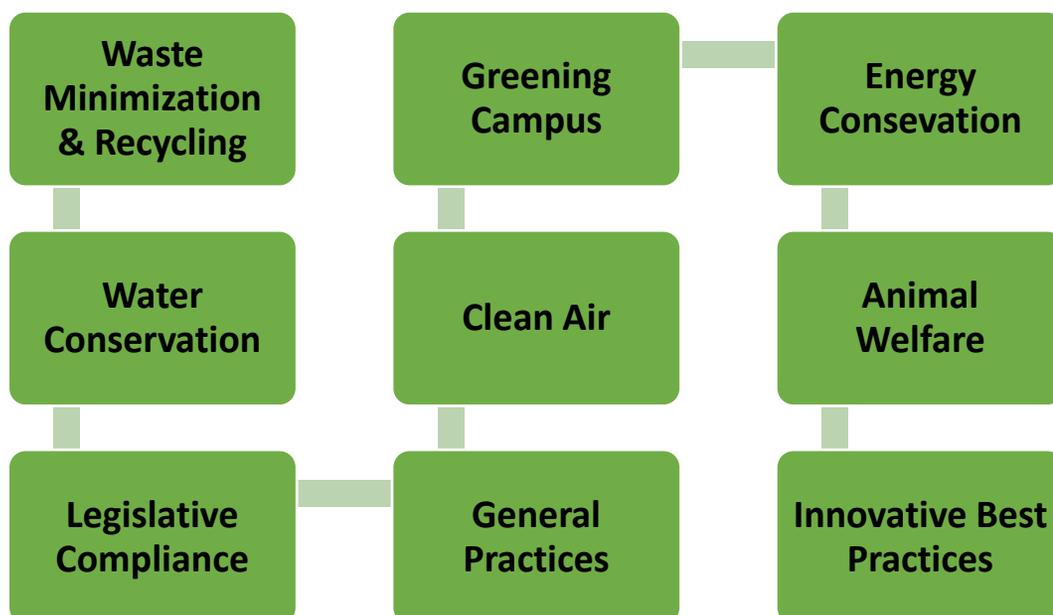
Executive Summary

Green auditing is an essential step to identify and determine whether the college practices are sustainable and ecological. It is a snapshot in time in which one assesses campus performance in complying with applicable environmental laws and regulations. But over the period of time, excessive usage of resources like water, electricity, petrol, etc. have become habitual for everyone especially, in urban and semi-urban areas. It is actually the right time to check if we (our process) are consuming more than required resources? Whether we are using resources sensibly?

Green audit standardizes all such practices and provides an efficient way to use natural resources. In the time of climate change and resource exhaustion it is necessary to re-check the processes and convert it in to green and sustainable. Green audit provides an approach for it. It also increases overall awareness among the individuals working in college towards an eco-friendly environment.

This is the second attempt to conduct a green audit of the P N Das college campus for fulfillment of NAAC criteria. Audit criterion is environmental cognizance, waste minimization and management, biodiversity conservation, water conservation, energy conservation and environmental legislative compliance by the campus. A questionnaire is used during audit. This audit report contains observations and recommendations for improvement of environmental consciousness.

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Environment & Green Audit- Analysis

The whole world is on the road to sustainable development. Environment conservation is the top priority among the list as every human activity has its own impact on their surroundings. Hence be it a college or room will disturb the balance the environment. Engineers are increasingly expected to play leadership roles when it comes to sustainable development, working to solve global challenges such as the depletion of resources, pollution, ecosystem damage and the effects of rapid population growth. It is very important to do a detailed study about the effects on the environment. This is conducted under the name of Environment or Green Audit which is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of the college. It aims to analyze environmental practices within and outside of the college which will have an impact on the eco-friendly atmosphere. The objectives of the green audit can be listed as follows:

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

To conduct a walkthrough audit to check the suggestions implemented by the MOEFCC and suggest for further improvements. To verify all the points with actual measurements and gave suggestions for improvement.

Demands for energy, drinking water, clean air, safe waste disposal facilities and transportation issues are increasing day by day. In this audit report of the year 2021-2022 we aim to identify the areas of positive development done by the college and to point out the suggestions for improvements.

Environmental Policy

P N Das College, Santinagar, Palta, P.O.-Bengal Enamel, Dist-North 24 Pgs, Pin-743122, West Bengal shows its sensitivity towards the environment by establishing its environmental policy.

Aims of the Policy

The policy aims to eliminate or reduce all forms of environmental pollution and encourages all faculty members, staff, students and other stakeholders to do the same. The college always raises awareness of environmental issues among its staffs, students or stakeholders, especially plastic pollution and encourages initiatives leading towards a clean environment. Its academic departments, NSS unit, NCC Cell works towards this aim collectively.

The policy promotes the 3R's for waste in the following order: Reduce, Reuse and Recycle and provide convenient waste collection points and guidance for the disposal of -----

- Paper
- Cardboard
- Glass
- Plastic
- Electrical items
- Hazardous waste
- E-waste.

The college aims to minimize the consumption of water & electricity and mainly solid waste disposal and thereby contribute to the proper use of the natural resource by the following ways:

- Encourage to report leaks and rectifying them promptly.
- Progressively replacing/supplementing water-taps in staff-room, washroom etc. if needed.
- Exploring options for using waste water by establishing a separate reservoir in science building.
- Established rainwater harvesting schemes in the campus.
- Progressive replacement of light bulbs with energy efficient ones.
- Encouraging staff, mainly students to turn off electrical appliances when not in use.
- Minimizes the consumption of electricity where opportunities arise.
- Conserving energy by promoting the use of daylight.
- Conducting frequent preventive and corrective maintenance.

Steps Taken and Mechanism

- The college adapts health, safety, and an environment based codes of practice and relevant guidance and complies with legislation.
- The college has planned for Solar panel systems on the campus.
- The college campus is completely free from smoke, plastic bags and cups.
- Waste bins are placed at appropriate locations to maintain a clean and tidy campus.
- Green initiatives are taken by developing medicinal plantation through adequate plantation by the college (NSS Unit and the maintenance cell).
- The arrangement to set off the fire causing environmental damage by setting the fire extinguishers at different places on the premises.

Audit Scope

The audit is carried out for the green activities at P N Das College, Santinagar, Palta, P.O.-Bengal Enamel, Dist-North 24 Pgs, Pin-743122, West Bengal.

Audit Criteria

- Applicable guidelines of NAAC criteria
- Applicable Environmental Legislation
- Best Environmental Practices

AuditObjective

In line with the audit definition, the objective of the audit is to have systematic, periodic, planned evaluation against objective evidences and reporting the results to the management as per the focus of the audit. Green Audit focuses on the basis of the environmental sustainability in terms of applicable environmental elements like Air, Water, Land, Flora, Fauna, Natural resources and Human being. The very objective of this audit is to evaluate the institutes green performance based on the focus indicators as stated above in view of the goal towards environmental sustainability, applicable legislation, environmental policies and standards. The green audit objectives can be stated as follows.

- To review the knowledge and awareness concerns of the institute for the journey of sustainability.
- To review the efforts made to protect the environment by preventing pollution and conserving the natural resources being used in the campus.
- To establish a baseline data to assess future sustainability and avoid heavy environmental tolls.
- To bring out a status report on environmental compliance.
- To assess the environmental performance and report it to management/authorities.

AuditMethodology

The scope of the audit is divided into various environmental areas like land use, water, effluent, sewage, energy etc. Each such area is analyzed based on the evidences produced by the college. The evidences are collected in form of discussions/interactions, documents and records, practical site conditions and photographs of it. Following the above methodology, we have hereby compiled our Audit Report with our observations. However, since this is the 6th time green audit (first in the year 2016-2017) is being conducted, hence the study become smooth because of previous constraints, but if observations of this report are read and recommendations of this report are followed the benefits of the same shall accrue to the college & it would be much better streamlined to carry out green audit in future.

Audit Observations

The observations have been compiled based upon initial desk review of various communications and documents, and after visiting P N Das College as part of getting an initial idea on the work done, have identified the appropriate methodology and accordingly an initial inception report was prepared and submitted.

The pictures during Audit review meeting is below:



1. General Information :

This is the 6th time a systematic way of monitoring the environmental eminence initiative taken by college for environmental protection.

Total permanent population of the college

Population	Male	Female	Total
Students	483	585	1068
Teachers 23	13	36	
Non-Teaching Staff 18	2	20	

- Approximate Number of visitors (per day) is 15 in college campus.
- Total number of working days in the college campus in a year is 215 days. (73 days for office)

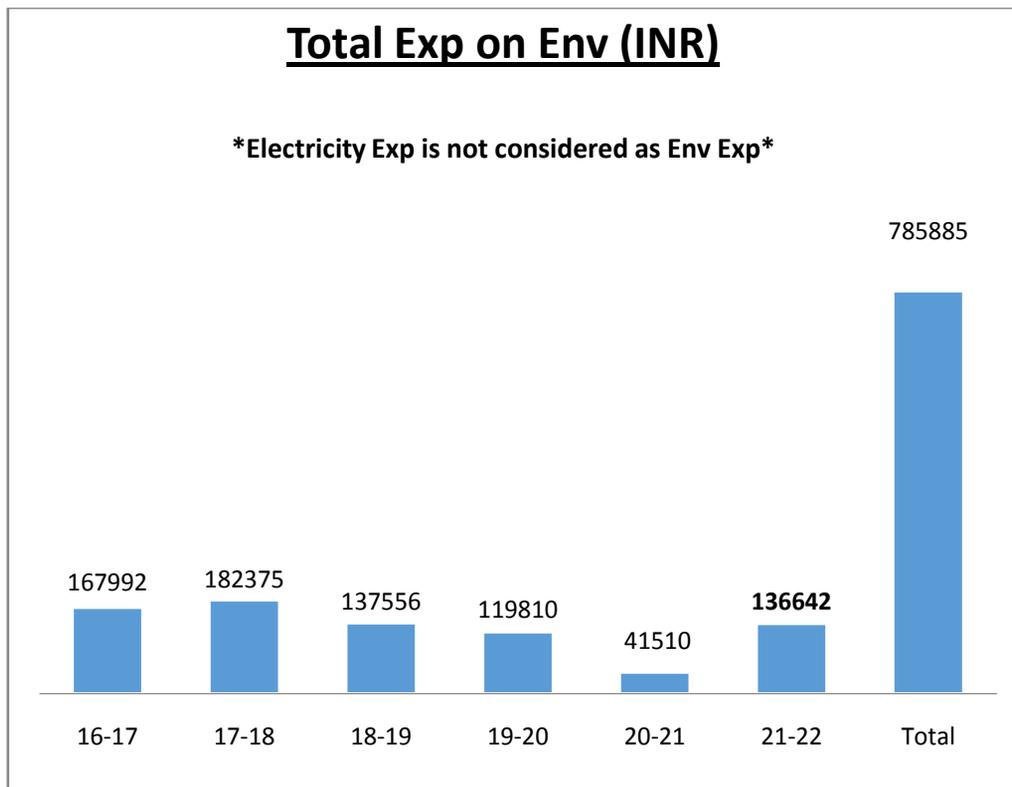
- Total built-up area of the college is around 17340.75 square meters.
- 25 classrooms and 4 office rooms are available for study and official activity in the college.
- 13 sanitary facility is present in the college separate for male and female students of which 1 is for staff member and 12 are for students.
- One library building is available with a good collection of book sand magazines.
- One tubewell (650 ft) and three wells with submersible pump is available in the college to cope up during water shortage.
- Total area of the college under tree canopy is approximately 3000 square meter of which 900 square meter fall under garden area of which more than 100 number of plants exist and 55 plant species are presently available.
- Four solar street lights of 40 kwh power each is available in the college.
- 1000 L capacity of rainwater harvesting tank is available in the college.
- One smoke detector and fire-alarm is installed inside college campus.
- The college campus is made plastic free zone by educating all college members.

Following things are found near college :

- Municipal Dump Yard- Not in vicinity of the institute
- Garbage Heap- No garbage heaps
- Public Convenience- Yes, transport facility is available like bus, auto and rickshaw
- Sewer Line- 1 km within campus collecting in reservoir
- Stagnant Water- No stagnant water
- Open Drainage-Yes
- Industry (Name)- No
- Railway Station- Yes, nearby the college within 2 km
- Market/Shopping Complex- Available

2.Green Budget Program

Annual Rs. 1,60,000/- budget is allocated for the session 2021-2022 towards environmental protection and pollution prevention activities but Rs. 1,36,642/- has rise up including Gardener salary (Rs. 87690), Playground & cleaning purpose (Rs. 40037), NSS Activities (Rs. 5185) and others(Rs.3730) respectively. Therefore Rs.23,358/- been saved accordingly in 2021-2022 session.



3. Water Consumption & Management

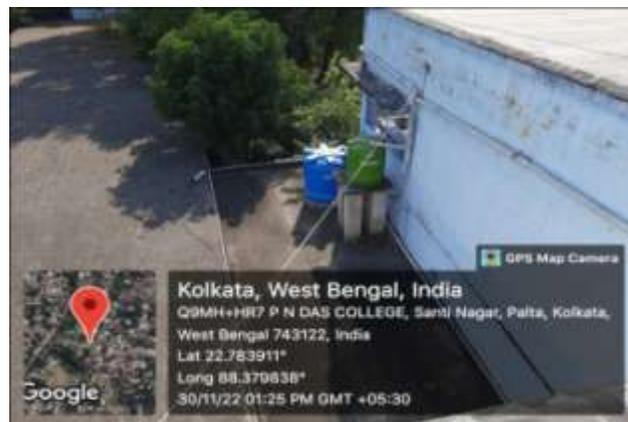
Water is one of the most critical aspect for life and freshwater is a precious natural resource. With continuous growth in population, per capita availability of utilizable water is going down, whereas the demand is ever increasing primarily due to life style changes and decreasing awareness on water management. It is clearly visible in the society that due to unsustainable use of water resources there is contamination and depletion of the natural water sources which is an alarming situation. Therefore, it becomes paramount to conserve protect and manage the water resources availability and usages so that it is sustainably used within the college campus.

The main sources of water in the college are from groundwater through one tube well, Municipal-supply water and retaining water from one pond which exist inside college premise. The college has 6 sensor-based water tanks, two tanks of 500 L, four tanks of 1000 L capacity and 1 tank of 1500 L capacity for garden purpose, pertaining 2500 L of water is auto-pumped everyday in college by 3 motor (2 hp, 1 hp and 1.5 hp) without any leak taps. Waterline and taps are repaired immediately if found damage. One great initiative has been taken by college authority regarding water recycle is reuse of rainwater by putting one rainwater harvesting tank which store 1000L of water. Harvested tank water is used in toilet, handwashing and gardening purpose. Awareness sticker on importance of handwash is placed

beside handwashing point. The lab wastewater is collected in a separate reservoir beside science building. The drinking water is periodically tested from the college laboratory and ensured its portability for drinking purpose.



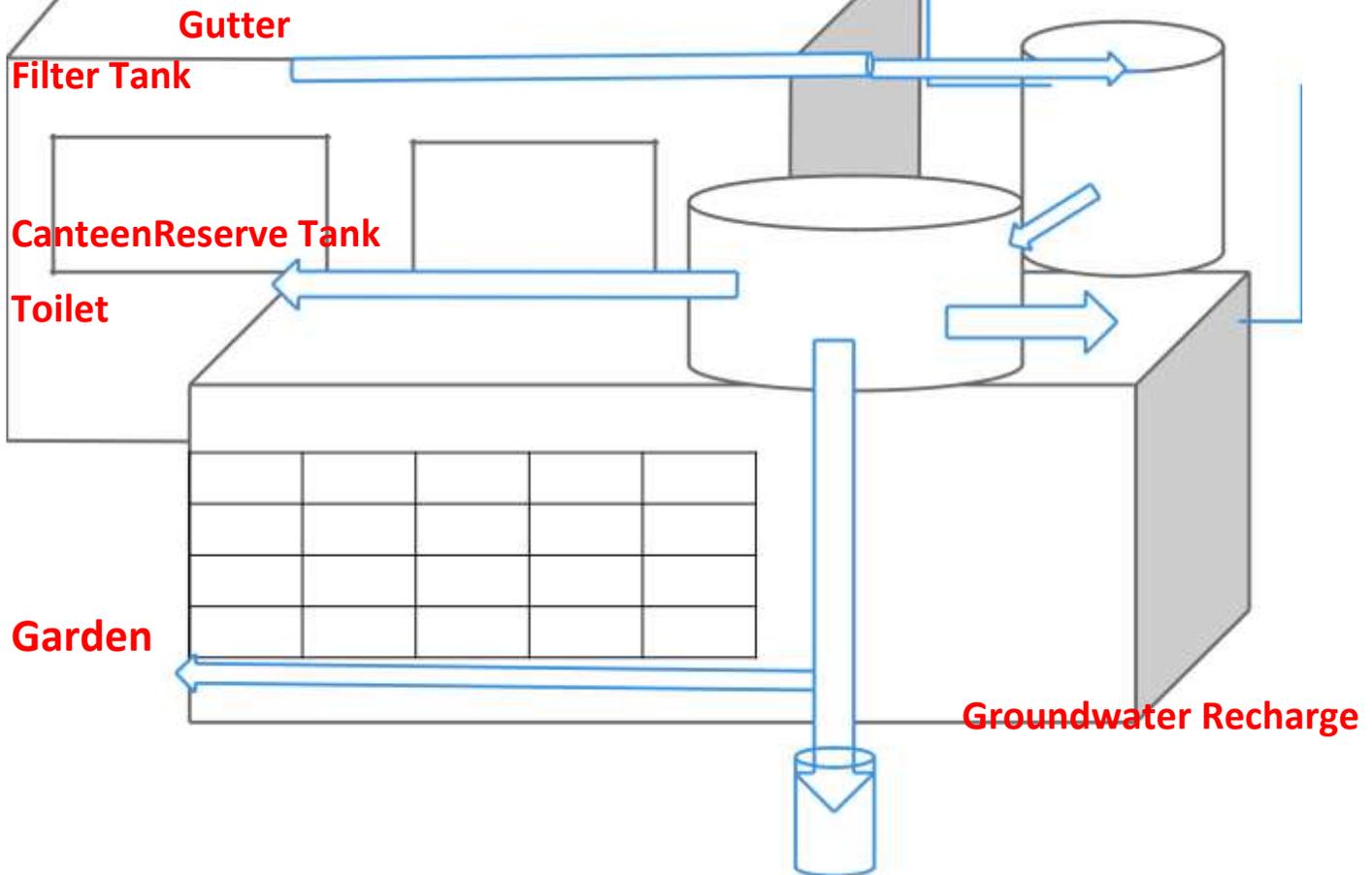
Water Awareness Sticker near Basin/Tap



Rainwater Harvesting Tanks(2000 L)

P N Das College Rooftop Rainwater

Multipurpose Uses Project



Plan of Rainwater Harvesting (RWH) – 1000 units installed in the campus

Recommendations

Replace manual taps with auto push taps to reduce water wastage, close the taps after use, more installation of rainwater harvesting tanks, increase water holding capacity of pond by dredging, maintenance and monitoring of valves to avoid overflow, leakage and spoilage, flow rate of taps should be checked, it should not be more than 2.5 litre/minute, lab grey water reservoir can be neutralised through application of green chemistry by indulging integrated photocatalytic TiO_2 or graphene, by introduction of bacteria species like *sphingomonas*, plants such as colacassia, *arundo donax*, *typha latifolia* etc. from mix with groundwater. More awareness on water conservation to be made inside campus. Installation of water meter and periodic water audit can be planned and initiated at regular intervals for monitoring of water consumption per capita.

4. Biodiversity Observation & Management

Green-belt observation is undertaken to have a look on how overall ecological environment of the college is maintained. Ideally it should be a periodic yearly activity and efforts of the all stakeholders should be involved. Here a broad definition of biodiversity has been considered, i.e. Biodiversity is all the different kinds of life form available in a given area— all the variety of animals, plants, fungi, microorganisms like bacteria and large flora & fauna that make up our natural world. Each of these species and organisms work together in ecosystems, like an intricate web, to maintain balance and support life.

The available land in campus is 3000 m² (approx) of which 900m² are developed as garden area where more than 100 plants of 55 species is present and in the financial year 2021-2022, students implement 13 plant species beside college ground with more than 50% survival rate. The college has 23 medicinal plants (scientific name displayed) which provide healthy environment inside college. No threatened species & vegetable plants accompany in the college. The college has planted 4 fruit-bearing plants like coconut, mango, kul and koromcha. Mixed or tropical deciduous type of vegetation persist in the college surrounded by old trees and forms a lush green atmosphere where students spend 2-4 hours during winter. Pond-water and groundwater are the two source of plant watering in the college (100 L per day and 2400 L per month) and biodegradable waste from canteen and manure from compost pit is applied on the garden which is really appreciable. No extra cash is taken by the college authority from students for developing greenery, rather college save money from funds and use in plantation, cleaning and beautification of the green area. Greenery committee is present of 7 permanent staffs who look after garden in the college campus. Students specially NSS students looks after the green cover and conduct maximum cleanliness and public awareness programmes (yearly 5 minimum) by reaching out in public by poster, procession etc and also by watering new saplings. Every year students arrange tree plantation program on 15th August, celebrate Aranya Saptaha, World Environment Day, World Earth Day mandatorily.

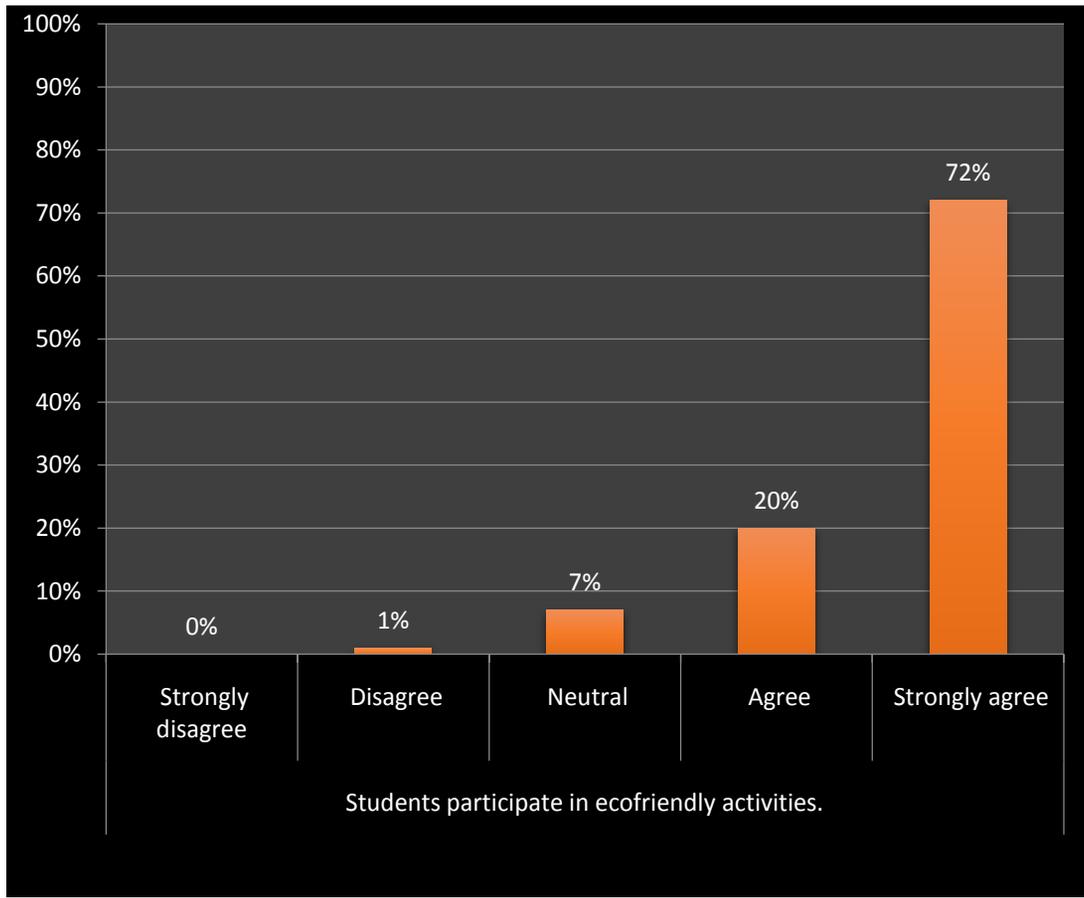


Green Cover Beautification by Flowering Plants



Medicinal Plants Wastewater Beautification

Graphical representation of P N Das College students participate in eco-friendly activities during the year 2021-2022.



Recommendations

Water from rainwater harvesting tanks can be used in green cover. Localized plant species can be used more for plantation since they are more suitable to the local environment and habitat. Therefore it will become a habitat of the native birds, animals and insects and can help in biodiversity conservation and reclamation.

5.Sewage Observation & Management

Sewage is generated by the use of water from sanitary purpose (100 liters per day) from 2 washrooms, one from staff-member and one from principal's office. Monthly 500 L of water get washed away through sewage line. The college has total 15 numbers of washrooms in the premise. The water usage through toilet get collected in open-lid septic tank which further connect to the municipal sewer line through underground & negligible amount get mix with groundwater.

Recommendations

Immediate cover for septic tank is highly recommended. Specific water audit can be conducted to know the water inflow and out flow along with the losses, leakages, wastages etc. to plan actions for water conservation.

6.Waste Observation & Management

Approximate 14 kg of solid wastes are produced from office, labs and canteen of the college. Maximum amount of biodegradable and non-biodegradable solid wastes which are generated are segregated and kept in different waste bins. Since there is no provision of waste collection, the college has arranged for collection of the same by the Municipality, the charge for the same is borne by the college in weekly basis smoothly. The college authority has banned single use plastic usage since Covid times inside college campus which is a great initiative.

Recommendations

Besides dumping of solid wastes in landfill or vat, it can be treated through culture of "Pestalotiopsis Microspora" mushroom and vermicompost especially by earthworm and wax worm thereby reducing cost to local authority as well as treated waste is a rich source for garden soil. Used paper can be recycled in decorative purpose. Data of every day canteen waste can be taken up and can be displayed in the canteen board to educate the students and staff members about the wastage to aware about solid-waste effect in the environment and the human needs.



Compost Pit Waste Segregation Bins

7.E-Waste Observation & Management

Since the organization is well established and equipped with the necessary and up-to-date electronic infrastructure, the hazardous e-waste generation like scraped computers, laptops, discarded xerox machines, tube-lights, bulbs, batteries are produced less than 20 kg per year. Unused equipments produced from science labs are stored in store-room by maintaining roaster in college campus. However, as a proactive initiative, an authorized vendor is identified for disposal of e-waste in case it is generated, that is, the college has tie-up with renowned E-waste company, Hulladek Recycling Pvt.Ltd and also signed with “MOU” (Memorandum of Understanding) to provide management of electronic waste.

Recommendations

Immediate transfer of e-wastes to the authorized recycler should be ensured. E-waste listing and quantification in detail can be useful to reduce e-waste generation. Some small and usable e-waste can be recycled in decorative purpose of the college.

8. Air Quality Monitoring & Management

The college rooms are well ventilated and the corridors have good, ample daylight utilization. Approximately 16 number of petrol-use vehicles enter maximum in a day in the college premise. At the time of load-shedding only, 2 Diesel-generators run of capacity 35 Kva & 25 kva have acoustic enclosure canopy and stack height 45 ft and the fuel usage is 1 Litre/day. The college dumps solid waste in landfill (vat) resulting GHG (methane) emission in air. The college has installed one smoke-detector which is a good initiative.

Recommendations

Car-pooling practice can be adopted by campus to minimize air pollution. There is no unauthorized vehicle movement within the campus, except for vegetable and other material goods movement supplied by dealers periodically. The parking of staff vehicles is allowed at a designated space within the campus. Hence, air pollution due to vehicular movement is negligible. Vegetation such as indoor plants like snake plant, money plant, spider plant, African violet etc. can be placed at the corner of each corridor of the college campus which helps in reducing dust and air pollution to a large extent and also to enhance beautification. Burning of waste within the campus is strictly banned.



Daylight & Airy Space in the College Corridor

9. Carbon Footprint Analysis & Management

There are 45 full grown trees of different species and 23 medicinal plants in the college premise. Carbon absorption capacity of one full grown tree is 22 kg CO₂. The carbon absorption capacity of 45 trees is $45 \times 22 = 990$ tons of CO₂. The carbon absorption of one medicinal plant is 6.8 kg of CO₂. Hence the carbon absorption of 23 medicinal plants are $23 \times 6.8 = 156.4$ tons of CO₂. The carbon absorption capacity of 45 full-grown trees is 50% more than that of medicinal plants. There are approximately various trees, herbs and bushes being raised in the garden and grown in areas where no buildings are built. Carbon absorption of bush plants varies widely with their species. Certain bushes and herbs absorb high level of CO₂ where some absorb low level of CO₂. The total area of the green cover in the campus is 3000 square meter (32291.73 square ft). Carbon absorption capacity of a 10 sq.ft area is 1 g per day. Therefore, carbon absorption of green area of the college is $32291.73 \times 365 \times 0.1$ g CO₂ = 11.15 tons of CO₂.

Maximum students around 300 come by walking, some use bicycle and public transportation. Other college faculties and visitors (yearly 10) come by bikes (per day 10) and cars (per day 6) consuming 22L petrol (2L from bike & 20L from car) per year. Electricity use by college is 147648 kwh per year. Therefore, CO₂ emission from electricity is $147648 / 1000 \times 0.84 = 124.02$ tons by the college. Diesel used per year in DG is 720 L (2L/day). Therefore, CO₂ emission from DG is $720 / 1000 \times 2.68 = 192.96$ tons per year. The college uses 360 L (1 L per day) LPG per year approximately. Therefore, CO₂ emission from LPG is $360 / 1000 \times 2.99 = 107.64$ tons per year. Hence, total CO₂ emission per year cumulative by electricity usage, DG and LPG is $(124.02 + 192.96 + 107.64) = 424.62$ tons.

Recommendations

Increase plantation drive inside campus by involving maximum students. Solar heater can be used to reduce impact on LPG. More implementation of energy-saving gadgets to reduce CO₂ emission from electricity. Increase in display of environment conscious poster/paintings/slogans for spreading awareness amongst students. Mass awareness by pasting energy-saving sticker, insist to share vehicles, more use of bicycles & arranging training programmes on environmental management system & nature conservation. Rooftop solar plant can be implemented to reduce impact on DG.

10. Energy Observation & Management

The college uses 1,47,648 KWH electricity per year. Therefore, the college has inculcated some conventional sources into renewable assets by installing 2 CFL bulbs in library, 18 LED bulbs, 4 fluorescent tube-lights, 7 incandescent bulb, 292 LED lights, 34 LED panel lights, 1 LED street light, 1 tungsten bulb of 100 watt in the corridor and 4 solar street lights (50 watt/6 hr) for illumination thereby saving electricity to some extent. The college has installed sanitary napkin vending machine which is a great initiative which consumes 12 watt per 6 hour. Domestic cylinder is being used in the canteen as energy source. The computers are kept in power-saving mode when not in use. 2 DGs of 35 KVA and 25 KVA power is used only at the time of load-shedding. Earth pit has been come out of soil. No fossil fuel and kerosene is being used by the college.

Recommendations

Yearly once energy audit can be conducted to plan actions for energy conservation. Earthpit test is highly recommended. DG fuel be reduced by introduction of rooftop solar plant [1MW (500+500 KW)] is operational. Maximum awareness by displaying messages about energy savings and use of natural lights and natural ventilation are promoted.



Solar Street Light

Other Environmental Awareness Initiatives

Green committee members of the college and NSS team work jointly together for “Green Cover and its Conservation” every year as well as in pandemic year. The college celebrates World Environment Day, World Earth Day every year. Arrange tree plantation drive on Independence Day, Celebrate Aranya Saptaha by planting and watering new saplings inside college premise, frequent environmental cleanliness and awareness campaign, arrange field visit to observe nature closely, distribution of saplings among students and staff members by NSS team to increase awareness and understand the importance of green kingdom, conduct nature tour for the students, organize awareness drive on use of plastic, hand washing, vector-borne diseases, local people health checkup camp in association with NSS team and Covid sensitization program from the college, conduct seminar/webinar/conference on environment topics. On the day of green audit inspection, the college arrange an awareness program on importance of environmental audit & role of students in green audit where more than 100 students attend the seminar (maximum first year students). The students of P N Das College are very much aware of environmental activities done by NSS team & college authority like awareness on dengue, plastic etc.



Seminar on E-Audit on Green Audit Inspection Day

Conclusion

This audit involved extensive consultation with all the members of the campus, interactions with key personnel on wide range of issues related to Environmental aspects. The P N Das College has Environmental Committee for sustainable use of resources. The college is considering the environmental impacts of most of its actions and makes an intensive effort to act in an environmentally responsible manner. Even though the college does perform quite well, the recommendations in this report highlight many ways in which the college can work to improve its actions and become a more sustainable institution. The audit team opines that the overall site is maintained well from environmental perspective. There is no major observations but few things are important to initiate urgently are waste management plan, water balance cycle, periodic inspection of buildings and introduction of solar power panels to increase the energy efficiency.

Transparency of Green Audit Report

Green audit report is one of the useful means of demonstrating an organization's commitment to openness and transparency. If an Organization believes it has nothing to hide from its stakeholders, then it should feel confident enough to make its green audit reports freely available to those who request them. As a basic rule, green audit reports should be made available to all stakeholders.

Photographs on Environment Consciousness



Rainwater Harvesting



Solar Street Light



Waste Segregation Bin

With Different Color Code



Pond



Medicinal Plant



Beautification By

Planting Flowering Plant



Health Camp



Green Belt + Garden



Exhibition on Environment

At Library

P.N. DAS NSS UNIT
Celebration of Aranya Saptaha
(14.07.2021 – 21.07.2021)

Program Celebration of Aranya Saptaha

Date: 19.07.2021

No. of NSS Volunteers present: 5

No. of Teachers present: 3

Venue: College premises

Activities: Tree plantation





P. N. DAS COLLEGE

Santinagar, Palta, P.O.: Bengal Enamel, North 24 Parganas, Pin - 743122 (W.B.)
Phone : (033) 2592 1327, Fax : (033) 2592 1327, e-mail : pndc.principal11@gmail.com
Website : www.pndacollege.in

P.N. DAS COLLEGE NSS UNIT - 2016

COVID Sensitization Programme

Ref:

Date

Programme: COVID Sensitization Programme

Date: 16.11.2021 to 27.11.2021

No. of Days programme organised: 10

No. of NSS volunteers present: 12

Activities:

- Awareness about COVID protocol during offline classes.
- Awareness to use mask and sanitizer
- Awareness about maintain social distancing
- Awareness about vaccination

Venue: College campus




Principal
P.N. Das Co
Palta, Bengal Enamel.

ENERGY AUDIT

BUILDING NAME	ROOM NO/ NAME	ELECTRICAL DEVICE/ ITEMS	NUMBER	POWER	USAGE TIME(HR/DAY)
1ST FLOOR, MAIN BUILDING	A-201	LIGHT (LED)	12	20 WATT	5HR
		FAN	10	80 WATT	5HR
		PROJECTOR	1	150 WATT	2HR
		AMPLIFIER	1	125 WATT	2HR
		SOUND BOX	4	100 WATT	2HR
	A-202	LIGHT (LED)	4	20 WATT	5HR
		FAN	2	80 WATT	5HR
		WALL FAN SMALL	2	50 WATT	5HR
		PROJECTOR	1	150 WATT	2HR
	A-203	LIGHT (LED)	6	20 WATT	5HR
		FAN	6	80 WATT	5HR
	A-204	LIGHT (LED)	4	20 WATT	5HR
		FAN	4	80 WATT	5HR
		PROJECTOR	1	150 WATT	2HR
	STOCK ROOM	LIGHT (LED)	1	20 WATT	2HR
		FAN	1	80 WATT	2HR
	OFFICE	LIGHT (LED)	6	20 WATT	6HR
		LED BULB	3	9 WATT	2HR
		FAN	4	80 WATT	6HR
		WALL FAN SMALL	3	50 WATT	6HR
		WALL FAN BIG	2	1000 WATT	4HR
		COMPUTER	6	200 WATT	6HR
		PRINTER	5	40 WATT	6HR
		A.C.- 2 TON	2	2100 WATT	4HR
		WATER COOLER	1	300 WATT	4HR
		AQUAGUARD	1	45 WATT	6HR
		CCTV CAMERA UNIT	2	15 WATT	6HR
		XEROX MACHINE	1	930 WATT	6HR
		SANITIZATION MACHINE	1	10 WATT	6HR
		ACCOUNTANT'S ROOM	LIGHT (LED)	1	20 WATT
	FAN		1	80 WATT	6HR
	WALL FAN SMALL		1	50 WATT	6HR
	COMPUTER		2	150 WATT	6HR
	PRINTER		1	40 WATT	6HR
	ROUTER		1	6 WATT	6HR
	PRINCIPAL'S OFFICE	PROJECTOR	1	150 WATT	2HR
		LIGHT (LED)	4	20 WATT	5HR
		LED BULB	1	9 WATT	5HR
		CFL BULB	1	50 WATT	1HR
		WALL FAN SMALL	1	50 WATT	5HR
		COMPUTER	3	200 WATT	5HR
		PRINTER	2	40 WATT	5HR
A.C.- 2 TON		1	2100 WATT	4HR	
CCTV CAMERA UNIT		1	15 WATT	5HR	
MONITOR OF CCTV		1	100 WATT	6HR	
CPU OF CCTV		1	100 WATT	6HR	
ROUTER		3	6 WATT	6HR	
CORRIDOR	LIGHT (LED)	7	20 WATT	4HR	
	FAN	1	80 WATT	4HR	
	ROUTER	1	6 WATT	6HR	
	DOOR BELL	1	2 WATT	6HR	

BUILDING NAME	ROOM NO/ NAME	ELECTRICAL DEVICE/ ITEMS	NUMBER	POWER	USAGE TIME(HR/DAY)
GROUND FLOOR, MAIN BUILDING	A-115	LIGHT (LED)	5	20 WATT	5HR
		FAN	6	80 WATT	5HR
	A-114	LIGHT (LED)	6	20 WATT	5HR
		FAN	6	80 WATT	5HR
	A-113	LIGHT (LED)	6	20 WATT	5HR
		FAN	6	80 WATT	5HR
	A-112	LIGHT (LED)	7	20 WATT	5HR
		FAN	6	80 WATT	5HR
	MEDICAL UNIT	LIGHT (LED)	1	20 WATT	3HR
		WALL FAN SMALL	2	50 WATT	3HR
	CUBICLE	LIGHT (LED)	7	20 WATT	5HR
		EXHAUST FAN	2	40 WATT	2HR
		WALL FAN SMALL	11	50 WATT	5HR
		COMPUTER	2	150 WATT	5HR
		ROUTER	1	6 WATT	5HR
		BIOMETRIC	1	3.5 WATT	6HR
	TEACHER'S ROOM	LIGHT (LED)	6	20 WATT	5HR
		BULB (LED)	3	9 WATT	5HR
		FAN	6	80 WATT	5HR
		WALL FAN BIG	3	1000 WATT	5HR
		A.C.- 2 TON	2	2100 WATT	4HR
		WATER COOLER	1	300 WATT	5HR
		REFRIGERATOR	1	1000 WATT	5HR
		AQUAGUARD	2	45 WATT	5HR
	COMPUTER LAB	LIGHT (LED)	6	20 WATT	5HR
		FAN	6	80 WATT	5HR
		COMPUTER	8	200 WATT	4HR
		SYNTHESIZER	1	1000 WATT	1HR
	TOILET	BULB (LED)	4	9 WATT	5HR
	CORRIDOR	LIGHT (LED)	5	20 WATT	6HR
		WATER COOLER	1	300 WATT	6HR
		AQUAGUARD	1	45 WATT	6HR
		ROUTER	1	6 WATT	6HR
CCTV CAMERA UNIT		2	15 WATT	6HR	

BUILDING NAME	ROOM NO/ NAME	ELECTRICAL DEVICE/ ITEMS	NUMBER	POWER	USAGE TIME(HR/DAY)
OLD BUILDING	A-101	LIGHT (LED)	3	20 WATT	5 HR
		FAN	3	80 WATT	5 HR
	A-101/A	LIGHT (LED)	1	20 WATT	5 HR
		FAN	1	80 WATT	5 HR
	A-102 (Girl's Common Room)	LIGHT (LED)	4	20 WATT	5 HR
		FAN	2	80 WATT	5 HR
		SANITARY NAPKIN VENDING MACHINE	1	12 WATT	6 HR
	NSS	LIGHT (LED)	1	20 WATT	5 HR
		FAN	1	80 WATT	5 HR
	CORRIDOR	LIGHT (LED)	9	20 WATT	5 HR
		FAN	3	80 WATT	5 HR
		CCTV CAMERA UNIT	2	15 WATT	6 HR
	A-104 (SANSKRIT)	LIGHT (LED)	4	20 WATT	5 HR
		FAN	1	80 WATT	5 HR
		WALL FAN SMALL	2	50 WATT	5 HR
	A-105 (HINDI)	LIGHT (LED)	4	20 WATT	5 HR
		FAN	5	80 WATT	5 HR
	A-106	LIGHT (LED)	6	20 WATT	5 HR
		FAN	7	80 WATT	5 HR
	OLD CANTEEN	LIGHT (LED)	2	20 WATT	5 HR
		FAN	2	80 WATT	5 HR
		WALL FAN SMALL	2	50 WATT	5 HR
		MICRO OVEN	1	1000 WATT	1HR
	NCC	LIGHT (LED)	2	20 WATT	5 HR
		FAN	1	80 WATT	5 HR
	GUARD'S ROOM	LIGHT (LED)	1	20 WATT	10HR
		FAN	1	80 WATT	10HR
		WALL FAN SMALL	1	50 WATT	10 HR
		BULB (LED)	2	9 WATT	5 HR
		TELEVISION	1	60 WATT	3 HR
		REFRIGERATOR	1	1000 WATT	10 HR

BUILDING NAME	ROOM NO/ NAME	ELECTRICAL DEVICE/ ITEMS	NUMBER	POWER	USAGE TIME(HR/DAY)
LIBRARY BUILDING	IQAC	LIGHT (LED)	5	20 WATT	5 HR
		FLUORESCENT TUBE LIGHT	1	40 WATT	5 HR
		FAN	4	80 WATT	5 HR
		PROJECTOR	1	150 WATT	5 HR
		AMPLIFIER	1	125 WATT	5 HR
		A.C.- 2 TON	2	2100 WATT	5 HR
		ROUTER	1	6 WATT	5 HR
	L-204	SOUND BOX	2	100 WATT	5 HR
		LIGHT (LED)	4	20 WATT	5 HR
		FAN	4	80 WATT	5 HR
		PROJECTOR	1	150 WATT	2 HR
		AMPLIFIER	1	125 WATT	2 HR
	L-203	SOUND BOX	2	100 WATT	2 HR
		LIGHT (LED)	4	20 WATT	5 HR
		FAN	4	80 WATT	5 HR
		PROJECTOR	1	150 WATT	2 HR
		COMPUTER	1	200 WATT	2 HR
	L-202	COMPUTER	1	200 WATT	2 HR
		LIGHT (LED)	4	20 WATT	5 HR
		FAN	4	80 WATT	5 HR
	L-201	PROJECTOR	1	150 WATT	2 HR
		SOUND BOX	2	100 WATT	2 HR
		LIGHT (LED)	4	20 WATT	5 HR
		FAN	4	80 WATT	5 HR
	CHEAP STORE	PROJECTOR	1	150 WATT	2 HR
		LIGHT (LED)	2	20 WATT	2 HR
		FAN	1	80 WATT	2 HR
	STACK ROOM	XEROX	1	930 WATT	2 HR
		LIGHT (LED)	12	20 WATT	6 HR
		BULB (CFL)	1	50 WATT	6 HR
		BULB (LED)	1	9 WATT	6 HR
		FAN	4	80 WATT	6 HR
	LIBRARIAN'S ROOM	CCTV CAMERA UNIT	1	15 WATT	6 HR
		LIGHT (LED)	2	20 WATT	6 HR
		FLUORESCENT TUBE LIGHT	1	40 WATT	6 HR
		FAN	2	80 WATT	6 HR
		COMPUTER	1	200 WATT	6 HR
		PRINTER	1	40 WATT	6 HR
	TOILET	SWITCH	1	15 WATT	6 HR
		BULB (LED)	2	9 WATT	6 HR
	CORRIDOR	LIGHT (LED)	11	20 WATT	6 HR
		STREET LIGHT (LED)	1	50 WATT	6 HR
		EXHAUST FAN	1	40 WATT	2 HR
		AQUAGUARD	1	45 WATT	6 HR
		ROUTER	1	6 WATT	6 HR
		MOTOR	1	2 H.P.	1 HR
		CCTV CAMERA UNIT	1	15 WATT	6 HR
READING ROOM	LIGHT (LED)	19	20 WATT	6 HR	
	FAN	14	80 WATT	6 HR	
	COMPUTER	7	150 WATT	6 HR	
	PRINTER	1	40 WATT	6 HR	
	ROUTER	1	6 WATT	6 HR	
	CCTV CAMERA UNIT	1	15 WATT	6 HR	
BOY'S COMMON ROOM	LIGHT (LED)	4	20 WATT	4 HR	
	INCANDESCENT BULB	2	200 WATT	4 HR	
	WALL FAN SMALL	4	50 WATT	4 HR	

BUILDING NAME	ROOM NO/ NAME	ELECTRICAL DEVICE/ ITEMS	NUMBER	POWER	USAGE TIME(HR/DAY)	
LADIES HOSTEL BUILDING	LADIES HOSTEL ROOM 1	LIGHT (LED)	2	20 WATT	5 HR	
		FAN	2	80 WATT	5 HR	
	LADIES HOSTEL ROOM 2	LIGHT (LED)	2	20 WATT	5 HR	
		FAN	2	80 WATT	5 HR	
	LADIES HOSTEL ROOM 3	LIGHT (LED)	2	20 WATT	5 HR	
		FAN	2	80 WATT	5 HR	
	LADIES HOSTEL ROOM 4	LIGHT (LED)	2	20 WATT	5 HR	
		FAN	2	80 WATT	5 HR	
CORRIDOR	LIGHT (LED)	2	20 WATT	5 HR		
TOILET	LIGHT (LED)	2	20 WATT	5 HR		
BUILDING NAME	ROOM NO/ NAME	ELECTRICAL DEVICE/ ITEMS	NUMBER	POWER	USAGE TIME(HR/DAY)	
AUDITORIUM BUILDING	AUDITORIUM HALL	LIGHT (LED)	1	20 WATT	4 HR/ WEEK	
		FLUORESCENT TUBE LIGHT	2	40 WATT	4 HR/ WEEK	
		LED METAL	2	50 WATT	1 HR/ MONTH	
		PANEL LIGHT (LED)	10	15 WATT	4 HR/ WEEK	
		PANEL LIGHT (LED)	24	9 WATT	4 HR/ WEEK	
		FAN	1	80 WATT	4 HR/ WEEK	
		WALL FAN SMALL	8	50 WATT	4 HR/ WEEK	
		PROJECTOR	1	150 WATT	4 HR/ WEEK	
		AMPLIFIER	1	125 WATT	4 HR/ WEEK	
		A.C.- 2 TON	4	2100 WATT	4 HR/ WEEK	
		ROUTER	1	6 WATT	4 HR/ WEEK	
		MICROPHONE	4	15 WATT	4 HR/ WEEK	
		SOUND BOX	4	100 WATT	4 HR/ WEEK	
	CORRIDOR & STAIRCASE	LIGHT (LED)	4	20 WATT	4 HR	
		FAN	1	80 WATT	4 HR	
	GEOGRAPHY DEPARTMENT	LIGHT (LED)	11	20 WATT	5 HR	
		FAN	10	80 WATT	5 HR	
		PROJECTOR	1	150 WATT	5 HR	
		CCTV CAMERA UNIT	1	15 WATT	5 HR	
		COMPUTER	4	200 WATT	5 HR	
	GYM	LIGHT (LED)	4	20 WATT	5 HR	
		FAN	4	80 WATT	5 HR	
		CCTV CAMERA UNIT	1	15 WATT	5 HR	
	RECEPTION	LIGHT (LED)	1	20 WATT	6 HR	
		WALL FAN SMALL	2	50 WATT	6 HR	
	UNION ROOM	LIGHT (LED)	2	20 WATT	2 HR	
		FAN	1	80 WATT	2 HR	
			BULB (LED)	1	9 WATT	6 HR

BUILDING NAME	ROOM NO/ NAME	ELECTRICAL DEVICE/ ITEMS	NUMBER	POWER	USAGE TIME(HR/DAY)
SCIENCE BUILDING	C-101	LIGHT (LED)	4	20 WATT	5 HR
		INCANDESCENT BULB	1	100 WATT	1 HR
		FAN	4	80 WATT	5 HR
		PROJECTOR	1	150 WATT	1 HR
		LAB EQUIPMENTS	10	50 WATT	5 HR
	C-102	LIGHT (LED)	6	20 WATT	5 HR
		FAN	6	80 WATT	5 HR
	C-103	LIGHT (LED)	4	20 WATT	5 HR
		FAN	4	80 WATT	5 HR
		PROJECTOR	1	150 WATT	5 HR
		COMPUTER	1	200 WATT	5 HR
	C-104	LIGHT (LED)	2	20 WATT	5 HR
		FAN	2	80 WATT	5 HR
	TABLE TENNIS ROOM	LIGHT (LED)	4	20 WATT	5 HR
		FAN	2	80 WATT	5 HR
	C-105	LIGHT (LED)	4	20 WATT	5 HR
		FAN	4	80 WATT	5 HR
	C-106	LIGHT (LED)	4	20 WATT	5 HR
		FAN	4	80 WATT	5 HR
	C-107	LIGHT (LED)	4	20 WATT	5 HR
		FAN	4	80 WATT	5 HR
	TOILET	INCANDESCENT BULB	3	100 WATT	5 HR
	CORRIDOR	LIGHT (LED)	7	20 WATT	5 HR
		INCANDESCENT BULB	1	100 WATT	5 HR
		WALL FAN SMALL	1	50 WATT	1 HR
		BELL	1	30 WATT	1 HR
		ROUTER	2	6 WATT	6 HR
		CCTV CAMERA UNIT	2	15 WATT	6 HR
	C-108	LIGHT (LED)	4	20 WATT	5 HR
		FAN	4	80 WATT	5 HR
	C-109	LIGHT (LED)	3	20 WATT	5 HR
		FAN	2	80 WATT	5 HR
	C-110	LIGHT (LED)	3	20 WATT	5 HR
		FAN	2	80 WATT	5 HR
PROJECTOR		1	150 WATT	5 HR	
CUBICLE	LIGHT (LED)	3	20 WATT	5 HR	
	FAN	2	80 WATT	5 HR	
BUILDING NAME	ROOM NO/ NAME	ELECTRICAL DEVICE/ ITEMS	NUMBER	POWER	USAGE TIME(HR/DAY)
COLLEGE PREMISES	COLLEGE PREMISES	BULB (LED)	1	9 WATT	1 HR
		SOLAR STREET LIGHT	4	50 WATT	6 HR

Survey forms (P N Das College)

Data of 2021-2022

Water management

SL NO	PARAMETERS	Response	Remarks
1	Source of water	Ground Water, Retaining water in ponds, rain water	
2	No of Wells	1 tube well, 3 wells for Submersible pump	
3	No of motors used	Total 3	
4	Horse power – Motor	Power: 2hp, 1 hp, ½ hp	
5	Depth of well –Total	Depth of boring: 300 ft, 300ft, 200 ft TUBE well 650 ft	

6	Water level		
7	Number of water tanks	2	
8	Capacity of tank	2000 L x 2, 1500 L x1, 1000 L x 4, 500 L x 2= Total: 10500 L	
9	Quantity of water pumped every day	Approx 2500 L	
10	Any water wastage/why?	For the use in toilets and Labs and hand washing points	
11	Water usage for gardening	Yes	
12	Waste water sources	Water from toilets and Labs and hand washing points	
13	Use of waste water	Water from toilets goes to High drain. Water from Lab goes to separate reservoir	
14	Faith of waste water from labs	Water from Lab goes to separate reservoir	

15	Whether waste water from labs mixed with ground water	No	
16	Any treatment for lab water	No	
17	Whether any green chemistry method practiced in labs	No	
18	No of water coolers	3	
19	Rain water harvest available?	Yes	
20	No of units and amount of water harvested	1 unit, 1000 L	
21	Any leaky taps	Not seen	
22	Amount of water lost per day	Not Applicable	
23	Any water management plan used ?	Rain water harvesting system adopted	
24	Any water saving techniques followed ?	Awareness and postering	
25	Are there any signs reminding peoples to turn off the water?	Poster are there near the water tabs	

Energy audit

Room No. / name	Electrical device/ items	Number	Power	usage time (hr/day)

Item: Bulbs (CFL, incandescent, LED); A/c, fan, computer, instruments

Waste management

Approximate quantity of waste generated per day (in kg)

Office				
Approx	Biodegradable	Non - biodegradable		

<1Kg	<1kg	<1kg		
2-10Kg				
>10Kg				

Laboratories				
Approx	Biodegradable	Non - biodegradable		
<1Kg	negligible	negligible		
2-10Kg				
>10Kg				

Canteen/kitchen				
Approx	Biodegradable	Non - biodegradable		
<1Kg		<1Kg		
2-10Kg	2-10Kg			
>10Kg				

Total strength of students ,teachers, and Non teaching staffs

No of Students		1068
No of Teachers		36 (Male: 23 Female:13)
No of Non teaching staffs		20 (Male: 18 Female: 2)
Gents	Students	

	483	
Ladies	585	
Total	1068	

How the waste generated in the college is managed?

A)Composting/ Vermicomposting	Yes	1 Compost pit
B)Recycling	Yes	Harvested water is recycled to Use for hand washing and toilets
C)Reusing	Yes	Manure from compost pit is used for gardening
D)Other ways		

Waste generated in the college?

E-waste		
Hazardous waste		
Solid waste		There is an agreement with the local Gram Panchayat to take away and manage the Solid waste which is kept in a vat inside the campus weekly.

Dry leaves		Dry leaves are gathered and kept in Compost pit
Canteen waste		Biodegradable Waste from canteen is taken out of the campus daily by Canteen workers. Solid waste is treated in usual manner
Liquid waste		Rain water harvested are recycled for hand washing and in toilets
Glass		Negligible , broken test tube are kept in the waste box and is handed over to the waste management personals of the Gram Panchayat
Unused equipment		These are kept in store room maintaining roster.
Napkins		Negligible. Treated as solid waste
Others (specify)		

Do you use recycled paper in college ?	No
Any waste management methods used ?	MOU with Hulladek for E-waste management Agreement with Gram Panchayat for managing Solid Waste

Carbon foot print analysis

1. Total Number of vehicles used by the stakeholders of the college/per day.

(Cycles 300+ 10 bikes + 6 cars)

2. No. of cycles used/day in the campus. **300 approx**

3. No. of two wheelers used (average distance travelled, cc of two wheelers and quantity of fuel and amount used/day). (C.F-Annexure-I).

No. of two wheelers used: 10

average distance travelled: 100 km

cc of two wheelers 150 CC X 10=1500 CC Approx.,

quantity of fuel 2 Ltr. Approx.

amount used/day Rs. 180/ Approx

4. No. of cars used (average distance travelled, power of engine (cc) and quantity of fuel and amount used/day). (C.F-Annexure-II).

No. cars: 06

CC of cars: 1000 cc/1200cc

Fuel used: 20 Liters

Amount: Rs. 1600/ approx

5. No. persons using common (public) transportation (average distance travelled and quantity of fuel and amount used/day). **Not Calculated**
6. No. of persons using college conveyance (general transportation) by the students, non-teaching staff and teachers (average distance travelled and quantity of fuel and amount used per day): **Nil**
7. Number of parent-teacher meetings in a year? Parents turned up (approx.)

Average 2 meetings:

Parents turned up: 300 for each meeting

8. Mention their mode of travel and give approximate cost of their commutation.

Public Transportations /Motor Cycles /Cars. Cost not calculated

9. Number of visitors with vehicles per day? **10 Nos. Approx.**

10. Number of generators used/day (hours). Provide quantity and amount for fuel usage/day.

1 Used only at the time of load shedding

Average 1 litre/day, 32 KVA

Rs.70

12. Number of LPG cylinders used in the campus. Provide quantity and amount of fuel used /day.

1 (Less than 1 litre)

13. Quantity of kerosene used in the canteen/labs (Provide quantity and amount of fuel used per day and amount spent). **Not Used**

14. Amount of taxi/auto charges paid and the amount of fuel used per month for the transportation of vegetables and other materials to the campus.

N/A (Goods Supplied by dealers)

15. Amount of taxi/auto charges paid per month for the transportation of office goods to the college. **N/A (Goods Supplied by dealers)**

16.Amount of taxi/auto charges paid per month by the stakeholders of the college.

Rs.2400/- Approx.

17.Use of any other fossil fuels in the college (Give the amount of fuel used per day and amount spent). (C.F-Annexure-III). **Not Applicable**

18.What are the methods you might adopt in the future to reduce the quantity of fuel used by the stakeholders/students/teachers/non-teaching staff of the college.

- a) **Sharing vehicles**
- b) **Awareness on saving energy**
- c) **Insisting on more use of bicycles.**
- d) **Generator fuel may be reduced by introducing rooftop solar plant**

Green Campus

Total number of plant species identified: 55

Total number of plants in the campus: More than 100

List of plants in the campus

SL NO	NAME OF PLANTS
1	KADAM (NEOLAMARCKIA CADAMBA)
2	QUEEN CREPE MYRTLE (LAGERSTROEMIA SPECIOSA)
3	NEEM (AZADIRACHTA INDICA)

4	ROYAL POINCIANA (DELONIX REGIA)
5	YELLOW POINCIANA (PELTOPHORUM PTEROCARPUM)
6	JACKFRUIT (ARTOCARPUS HETEROPHYLLUS)
7	COCONUT(COCOS NUCIFERA)
8	MANGO (MANGIFERA INDICA)
9	BLACKBERRY (SYZGIUM CUMINI)
10	DATE (PHOENIX DACTYLIFERA)
11	HOG PLUMS (PHOENIX DACTYLIFERA)
12	SIRIS TREE (SAMANEA SAMAN)
13	MAHOGANI (SWIETENIA MAHAGONI)
14	LIMONIA (RAVENIA SPECTABILIS)
15	GUAVA (PSIDIUM GUAJAVA)
16	INDIAN GOOSE-BERRY (PHYLLANTHUS EMBLICA)
17	TEAK (TECTONA GRANDIS)
18	MANILA TAMARIND (ARTABOTRYS HEXAPETALUS)
19	MICKEY MOUSE PLANT (MICHELIA CHAMPACA)
20	WHITE CHAMPA (MICHELIA CHAMPA)
21	KARANDA (CARISSA CARANDAS)

22	GULGUL (COMMIPHORA MUKUL)
23	MOSANDA (TROTHIC SAGERETIA)
24	FARKERIA (CRASSULA OVATA)
25	KUL (ZIZIPHUS ZIZYPHUS)
26	WHITE OLEANDER (NERIUM OLEANDER)
27	CASUARINA (THUJA OCCIDENTALIS)
28	GOLDEN DURANTA (DURANTA ERECTA)
29	JUNGLE GERANIUM (IXORA COCCINEA)
30	CURRY LEAF (MURRAYA KOENIGII)
31	EAR-LEAF ACACIA (ACACIA AURICULIFORMIS)
32.	Sandal Wood (Santalum album)

Is there a garden in your college? Area? **YES, 900 sqmetre**

1. Is there concept based garden (star plants, medicinal plants, endemic species, agriculture, etc.), specify area for each. **MEDICINAL PLANTS**
2. Do students spend time in the garden? If so, approximate time and purpose. (Lists with priority Annexure-I). **NOT ALLOWED**
3. List the plants (scientific names, Family, etc.) in the garden, with approx. numbers of each species (Annexure-II).

SL NO	NAME OF PLANTS
1	KADAM (NEOLAMARCKIA CADAMBA)
2	QUEEN CREPE MYRTLE (LAGERSTROEMIA SPECIOSA)
3	NEEM (AZADIRACHTA INDICA)
4	ROYAL POINCIANA (DELONIX REGIA)
5	YELLOW POINCIANA (PELTOPHORUM PTEROCARPUM)
6	JACKFRUIT (ARTOCARPUS HETEROPHYLLUS)
7	COCONUT(COCOS NUCIFERA)
8	MANGO (MANGIFERA INDICA)
9	BLACKBERRY (SYZGIUM CUMINI)
10	DATE (PHOENIX DACTYLIFERA)
11	HOG PLUMS (PHOENIX DACTYLIFERA)
12	SIRIS TREE (SAMANEA SAMAN)
13	MAHOGANI (SWIETENIA MAHAGONI)
14	LIMONIA (RAVENIA SPECTABILIS)
15	GUAVA (PSIDIUM GUAJAVA)
16	INDIAN GOOSE-BERRY (PHYLLANTHUS EMBLICA)
17	TEAK (TECTONA GRANDIS)

18	MANILA TAMARIND (ARTABOTRYS HEXAPETALUS)
19	MICKEY MOUSE PLANT (MICHELIA CHAMPACA)
20	WHITE CHAMPA (MICHELIA CHAMPA)
21	KARANDA (CARISSA CARANDAS)
22	GULGUL (COMMIPHORA MUKUL)
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27	CASUARINA (THUJA OCCIDENTALIS)
28	GOLDEN DURANTA (DURANTA ERECTA)
29	JUNGLE GERANIUM (IXORA COCCINEA)
30	CURRY LEAF (MURRAYA KOENIGII)
31	EAR-LEAF ACACIA (ACACIA AURICULIFORMIS)
32	Sandal Wood (Santalum album)

4. List of campus flora (attach a list of plants with details, including scientific name, family, approximate number of plants, etc.) in your campus. **Not Counted**

5. Name and number of the medicinal plants in your college campus.

SL NO	NAME OF THE PLANT
1	ALOE VERA (BITTER)
2	ALOE VERA (SWEET)
3	WHITE MALABAR NUT
4	RED MALABAR NUT
5	BLACK TURMERIC
6	ARROWROOT
7	CURDIMUM
8	LEMONGRASS
9	BILANGULI
10	EKANGI (RHIZOMA KAEMPFERIAE)
11	WHITE BASIL
12	LEMON BASIL
13	CLOVE BASIL
14	RED BASIL
15	BLACK BASIL
16	MINT
17	BRIGHT EYES
18	INDIAN SARSAPARILLA.

19	GREEN CHIRETTA
20	TOUCH ME NOT
21	BUTTERMILK ROOT
22	KAKAMACHI
23	AYAPANA

6. Any threatened plant species planted/conserved (provide a list with their threat status).
NO SUCH FOUND

7. List the plants to be planted on your campus in the next three years.
(Trees, vegetables, herbs, etc.) TREES AND HERBS

8. List the species planted by the students, with numbers (Annexure –III).

SL NO	NAME OF PLANTS
1	QUEEN CREPE MYRTLE(LAGERSTROEMIA SPECIOSA)
2	NEEM (AZADIRACHTA INDICA)
3	MANGO (MANGIFERA INDICA)
4	BLACKBERRY (SYZGIUM CUMINI)
5	SIRIS TREE (SAMANEA SAMAN)
6	GUAVA (PSIDIUM GUAJAVA)

7	WHITE CHAMPA (MICHELIA CHAMPA)
8	GULGUL (COMMIPHORA MUKUL)
9	KUL (ZIZIPHUS ZIZYPHUS)
10	CASUARINA (THUJA OCCIDENTALIS)
11	GOLDEN DURANTA (DURANTA ERECTA)
12	JUNGLE GERANIUM (IXORA COCCINEA)
13	CURRY LEAF (MURRAYA KOENIGII)

9. Have you got any external funding for developing gardens in the campus? If yes, year, agency, and amount of funding. **NO**

10. Explain how you utilized funds for gardens. **FUNDS FROM COLLEGE ARE USED FOR PLANTATION, CLEANING, BEAUTIFICATION ETC**

11. Whether you have displayed scientific names of the plants in the Campus? **YES, FOR MEDICINAL PLANTS**

12. What are the vegetables cultivated in your vegetable garden? (Mention the quantity of harvest in each season). **NO**

13. How much water is used in the vegetable garden and other gardens? **NA**

14. Mention the source and quantity of water used (per month). **PONDS AND GROUND WATER**

15. Are you using any type of recycled water in your garden? **NO**

16. Who is in charge of gardens in your college? **Prof. AMAL KUMAR BHAKAT**
17. Is there any permanent staff to look after gardens in the campus? **YES, THERE IS GREENERY COMMITTEE CONSISTING OF PERMANENT STAFFS**
18. List the name and quantity of pesticides and fertilizers used in your gardens?
MANURE FROM COMPOST PIT
19. Are you doing any organic practice in your campus? List them? **NO**
20. Do you have any composting pit (specify what compost) in your college? If yes, what you do with the compost generated? **YES. PIT FOR BIODEGRADABLE WASTE. MANURE IS USED FOR GARDENING**
21. Do you have a vegetable garden on the campus? **NO**
22. If yes, how the harvested vegetables are utilized? Do you have any market in the campus? **NA**
23. Is there a nature club in your college? If yes what are the activities? **Yes,**
1.TO INTRODUCE THE STUDENTS WITH THE PLANTS.
2. TO ENCOURAGE STUDENTS TO SAVE AND PLANT TREES.
3. NATURE TOURS ARE CONDUCTED FOR THE STUDENTS.
24. Is there any arboretum in your college? If yes details of the trees planted. **NO**
25. Is there any fruit yielding plants in your college? If yes details of the trees planted.
YES; COCONUT, MANGO, KUL, KOROMCHA ETC

26. Is there any groves in your college? If yes details of the trees planted. **NO**

27. Is there any irrigation system in your college? **NO**

28. What is the type of vegetation in the surrounding area of the college? **SURROUNDED BY OLD TREES AND FORMS A LUSH GREEN ATMOSPHERE.**

29. What are the nature awareness programs conducted in the campus? . Provide a list (annexure-IV)

EVERY YEAR WE CELEBRATE

a) **TREE PLANTATION PROGRAMME ON 15TH AUGUST**

b) **WORLD ENVIRONMENT DAY**

c) **WORLD EARTH DAY**

d) **AWARENESS ON VECTOR BORNE DISEASES AMONG STUDENTS AND IN THE ADOPTED VILLAGE ALONG WITH LOCAL PEOPL**

SOME OTHER ACTIVITIES: A) CELEBRATE ARNYA SAPTAHA,

B) COVID Sensitization Programme,

C) Cleanliness and awareness programme

D) Health Camp

E) Awareness on Dengue and Vector borne diseases

30. What are the involvement of students in the green cover maintenance? Planting saplings and maintenance **STUDENTS MAINLY FROM NSSTAKE PARTS IN PLANTATION IN DIFFERENT OCCASIONS. WATERS NEWLY PLANTED SAPLINGS**

31. What is the total area of the campus under tree cover? Or under tree canopy? **APPROX. 3000 SQ.M**

32. Share your future plans for further improvement of green cover. **EXCEPT THE PLAYGROUND AND BUILT UP AREA MOST PART IS GREEN.**
IN FUTURE WE WILL PLANT SOME FRUIT TREES

33. Have you incorporated green conservation aspects in your curriculum?

NO. CURRICULUM IS INDUCED BY OUR ALMA MATER UNIVERSITY

34. How often you conduct public programs on green conservation?

YEARLY 5 PROGRAMMES

35. Do students reach out to the public in conveying the message of nature conservation?

YES. IT IS DONE BY OUR NSS STUDENTS THROUGH POSTERING, PROCESSION ETC.

8. Soil Quality assessment

Parameters for soil quality assessment (laboratory data, awareness program, initiatives taken). Not Done

-Air quality assessment (laboratory data , awareness program, initiatives taken)

Awareness programme on air borne diseases has been initiated by NSS

-List of animals roam in college campus: No such in general

9.Details of college audit team members involved in audit process

SI No	Name	Designation	Part Played	Audit Involved
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10. List of environment-related awareness programs , conservation activities, seminars, training and workshops organization, campaigns.(picture with list)

A) CELEBRATE ARNYA SAPTAHA,

B) COVID Sensitization Programme,

C) Cleanliness and awareness programme

D) Health Camp

E) Awareness on Dengue and Vector borne diseases

-----**END**-----
