

7.1.3 – Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion activities

Sr. No		Page No.
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I/C PRINCIPAL
Chandrabhan Sharma College
of Arts, Commerce & Science
Powai-Vihar, Powai, Mumbai - 400 076.
Tel. 022-45266020

Policy Document on Environment & Energy usage Certificate from Auditing Agency



I/C PRINCIPAL
Chandrabhan Sharma College
of Arts, Science & Commerce
Powai-Vihar, Powai, Mumbai - 400 076
Tel. 25704526 / 25704530

Environment Policy

Prepared by

External Expert: Ar. Nahida Abdulla (ASSOCHAM GEM Certified Professional – Registration no. 22/718)

Greenvio Solutions

An environmental and architectural design consultancy (Socio-environ responsibility)

Motto: Developing Healthy and Sustainable Environments

greenviosolutions@gmail.com

Website: <https://thegreenviosolutions.co.in/>



Proposed for the prestigious

Smt. Durgadevi Sharma Charitable Trust's

Chandrabhan Sharma College of Arts, Commerce & Science

Adi Shankaracharya Marg, Powai Vihar Complex,

Powai, Mumbai – 400076, Maharashtra, India

Date of preparation of policy: Monday, 15 May 2023

Policy no: GV/ PL/ 05-23/ J-1

Environment Policy

DISCLAIMER – This policy has been prepared by the team of 'Greenvio Solutions' based on the audit of the Institute. The inferences suggested by the team during the audit have been used as a base in formulating the policy. The documentations suggested below are based on the practical implementation capacity of the Institute. Hence, it is a feasible policy that can be practiced by the stakeholders of the Institute.

Chandrabhan Sharma College of Arts, Commerce & Science along with Greenvio Solutions shall undertake the following approaches towards sustainability.

- *At present (Academic year 2022-2023) there are 39 nos. of plantations in the premises. Appropriate carbon sequestration study and documentation shall be undertaken in future.*
- *The same shall be extended to the surroundings as part of the environmental awareness campaign for beyond environment promotional activities.*
- *Increase the green cover along the courtyards and duct areas through vertical plantations – This activity will be updates on a macro level upon discussion with the Management since it is a shared campus with other institutes in the premises.*
- *Documentation of the mapping and zones of the premises.*
- *The Fire and Life safety practices are in place as per the investigative study; the same shall be continued and extended through sensitization programs.*

Energy Policy

As per the Indian Green Building Standards

Prepared by

External Expert: Ar. Nahida Abdulla (ASSOCHAM GEM Certified Professional – Registration no. 22/718)

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Powai, Mumbai – 400076, Maharashtra, India

Date of preparation of policy: Monday, 15 May 2023

Policy no: GV/ PL/ 05-23/ J-3

Energy Policy

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Chandrabhan Sharma College of Arts, Commerce & Science along with Greenvio Solutions shall undertake the following approaches towards sustainability.

- Increase staff and student's **sensitization** about importance of energy conservation at the Institute and in respective households.
- Explore opportunities for **alternative sources** of energy at the Campus level.
- Explore opportunities for **reducing the air conditioning loads** if possible after due discussions with external experts and internal engineers.
- The **calculated electrical load of the premises is approximately 4,84,339 kWh** for the current academic year 2022-2023; the following analysis is combined for entire premise taking into considerations calculated electrical consumption as per inventory.

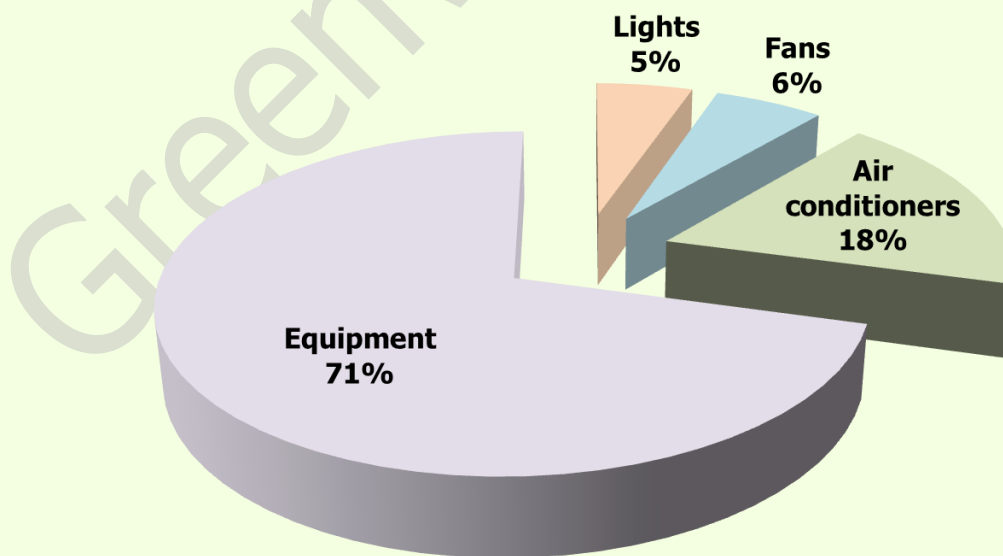


Figure 1: Summary of the calculated electrical consumption as per inventory

The above graph shows that equipment consumes 71% whereas the air conditioners consume 18% while the fans consume 6% and the lights consume 5% of the total calculated electrical energy.

Green Policy

Prepared by

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Adi Shankaracharya Marg, Powai Vihar Complex,
Powai, Mumbai – 400076, Maharashtra, India

Date of preparation of policy: Monday, 15 May 2023

Policy no: GV/ PL/ 05-23/ J-2

Green Policy

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Chandrabhan Sharma College of Arts, Commerce & Science along with Greenvio Solutions shall undertake the following approaches towards sustainability.

- *Take certain provisions for **Green Building parameters** to be implemented in a cost-effective manner through consultancy with Greenvio Solutions.*
- ***Social practices through green management** - Continue the number of practical and virtual activities under social welfare and community development initiatives for the students and staff.*
- ***Water Management** - The water conservation measures shall be extended to rain sensitization and outreach programs etc.*
- ***Waste Management** - Precautions shall be taken towards waste segregation at source; in addition to organic, biomedical, paper waste management.*
- *Join hands with local municipal corporations on local, regional, national and international level to develop substantial programmes for **community development**.*
- *Increase the **environmental interventions** in the educational programmes and document the same through multiple platforms*
- *Educate the students to undertaken initiatives for the **socio-environmental welfare** for nearby localities and adopted areas.*

Energy Audit Certificate (As per Green Building Parameters)

The study is conducted as per Indian and International Green Building Standards initiated in the capacity of an Accredited & Certified Green Building Professional

It is awarded for **2021-2022 and 2022-2023** to the Esteemed Institution

(Analysed for 2 years and extended validity for 1 year, thus total 3 years)

Smt. Durgadevi Sharma Charitable Trust's

Chandrabhan Sharma College of Arts, Commerce & Science

Adi Shankaracharya Marg, Powai Vihar Complex, Powai, Mumbai – 400076, Maharashtra, India

(Site visit held on Wednesday, 3 May 2023)

As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Energy Management and Conservation.

Issued on **Saturday, 13 May 2023** and valid till **30 April 2024**


Ar. Nahida Abdulla Shaikh

"Elite 100 Green Architects of India" Eonaur, 2022

Registered Architect, P.G.D.R.D, ISO Certified I. A. (IMS)

Indian Green Building Council Accredited Professional (IGBC AP)

ASSOCHAM GEM Green Building Council Certified Professional (**Registration. No. 22/718**)

Project Head and Green Building Professional-Consultant

Sustainable Academe I Sustainability Department of Greenvio Solutions, Naigad

An environment Design and Consultancy developing Healthy and Sustainable Environments

Email: sustainableacademe@gmail.com | greenviosolutions@gmail.com



Website: <https://thegreenviosolutions.co.in/>

Environment Audit Certificate (As per Green Building Parameters)

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Chandrabhan Sharma College of Arts, Commerce & Science

Adi Shankaracharya Marg, Powai Vihar Complex, Powai, Mumbai – 400076, Maharashtra, India

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Chandrabhan Sharma College of Arts, Commerce & Science

Adi Shankaracharya Marg, Powai Vihar Complex, Powai, Mumbai – 400076, Maharashtra, India

(Site visit held on Wednesday, 3 May 2023)

As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Efficient Management of Premise.

Issued on **Saturday, 13 May 2023** and valid till **30 April 2024**


Ar. Nahida Abdulla Shaikh

"Elite 100 Green Architects of India" Econaur, 2022

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Audit Report

- a. Green Audit
- b. Energy Audit
- c. Environment Audit



I/C PRINCIPAL
Chandrabhan Sharma College
of Arts, Science & Commerce
Powai-Vihar, Powai, Mumbai - 400 076
Tel. 25704526 / 25704530

GREEN AUDIT

STUDY PERIOD (TWO YEARS) 2021 – 2022 & 2022 - 2023

Sustainability study
AUDIT REPORT

Studied for
Smt. Durgadevi Sharma Charitable Trust's
**Chandrabhan Sharma College of Arts,
Commerce & Science**

Adi Shankaracharya Marg, Powai Vihar Complex,
Powai, Mumbai – 400076, Maharashtra, India

Studied in the capacity of

Accredited and Certified
Green Building Professional



Website: <https://thegreenviosolutions.co.in/>

Email: greenviosolutions@gmail.com

Valid till **April 2024**

Background reference image Sasin Tipchai on unsplash

Disclaimer

The Audit Team has prepared this report for the **Smt. Durgadevi Sharma Charitable Trust's Chandrabhan Sharma College of Arts, Commerce & Science** located Adi Shankaracharya Marg, Powai Vihar Complex, Powai, Mumbai – 400076, Maharashtra, India based on input data submitted by the College analysed by the team to the best of their abilities.

The details have been consolidated and thoroughly studied as per the various guidelines for Green Buildings available in National and International Standards; the report has been generated based on comparative analysis of the existing facilities and the prerequisites formulated by various standards. The inputs derived are a result of the inspection and research. These will further enhance and develop a Healthy and Sustainable Institution.

These can be implemented phase wise or as a whole depending on the decision taken by the Hon'ble Management and College. The warranty or undertaking, expressed or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report.

The audit is a thorough study based on the inspection and investigation of data collected over a period of time and should not be used for any legal action. This is the property of Greenvio Solutions and should not be copied or regenerated in any form.

The Report is prepared by the Team of Greenvio Solutions under their brand and department – Sustainable Academe as Consultancy firm with the Project Head - Ar. Nahida Shaikh who is as an Accredited and Certified Green Building Professional-Architect. Green Building consultancy is her forte and she is one of the most sought after names when it comes to providing excellent quality services within the stipulated time frame.

The Study is conducted in capacity of Accredited & Certified Green Building Professional with extensive experience.

Greenvio Solutions

Developing Healthy and Sustainable Environments

We are an Environmental and Architectural Design Consultancy firm

Sustainable Academe is our department for conducting Audits

Palghar District, Maharashtra- 401208

sustainableacademe@gmail.com

Acknowledgement

The Audit Assessment Team thanks the **Smt. Durgadevi Sharma Charitable Trust's Chandrabhan Sharma College of Arts, Commerce & Science, Maharashtra, India** for assigning this important work of Green Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are due to **Mr. Prashant G. Sharma**, President; **Mr. Himanshu P. Sharma**, Vice President; **Dr. Manju P. Sharma**, Treasurer; **Mr. Diksthan G. Sharma**, Secretary and everyone from the Management.

Our heartfelt thanks to Chairpersons of the entire process **Dr. Pratima Singh**, Principal for the valuable inputs.

We are also thankful to **College's Task force the faculty members** who have collected data required - **Ms. Manali Naik**, Convenor - Placements & Career Guidance Cell & Cordinator - Department of Multimedia & Mass communication; **Mr. Vicky Kukreja**, Assistant Professor.

We highly appreciate the assistance of **Mr. Sainath Sawant, Technical staff** and the **entire Teaching, Non-teaching and Admin staff** for their support while collecting the data.

Sustainable Academe

Brand of Greenvio Solutions, Palghar District, Maharashtra- 401208

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Evidence documents for Site visit of external audit team

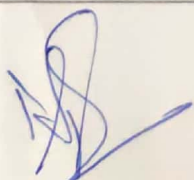
Audit team headed by external expert - Ar. Nahida Abdulla
 Accredited & Certified Green Building Professional, ISO IA (IMS)
 Audit objective: Green Building up gradation of the premises

Audits covered: Green audit Energy audit Environment audit

Institute: Chandrabhan Sharma College of Arts, Commerce & Science Date: 3rd May, 2023

Document objective: Inferences of the Site visit

Observations (Positive aspects)	Suggestions (Improvement aspects)
Green Audit	
<ul style="list-style-type: none"> - Rain water harvesting practiced - E-waste management practiced. 	<ul style="list-style-type: none"> - Undertake organic waste management
Energy Audit	
<ul style="list-style-type: none"> - Sensor based lights used 	<ul style="list-style-type: none"> - Undertake alternate source of energy.
Environment Audit	
<ul style="list-style-type: none"> - Tree undertaken on rooftop (under process) 	<ul style="list-style-type: none"> - Undertake measures to increase green cover on vertical front



Signature & round seal

Name:

Designation:

For the said Institute



Signature & round seal

Name: Mr. F. A. Shaikh

Designation: Project Coordinator

For The Greenvio Solutions



Evidence documents for Site visit of external audit team

Audit team headed by external expert - Ar. Nahida Abdulla
Accredited & Certified Green Building Professional, ISO IA (IMS)
Audit objective: Green Building up gradation of the premises

Audits covered: Green audit Energy audit Environment audit

Institute: Chandrabhan Sharma College of Arts, Commerce & Science Date: 3rd May, 2023

Document objective: Proof of the Site visit



Meeting with the core team



Investigation of the systems

Signature & round seal
Name: Dr Pratima Singh
Designation:
For the said Institute



Signature & round seal
Name: Mrs. F. W. Shaikh
Designation: Project Coordinator
For The Greenvio Solutions



1. Introduction

1.1 About the Trust

Charitable purpose including relief of poverty, distress, education, medical relief and advancement or other objects of general public utility and on conduct, maintain or assist schools, colleges, dispensaries, hospitals, orphanages, home for destitute and other institutions and activities of charitable nature are undertaken. The works revolve around the following:

- *Setting up Schools and colleges or other educational institutions and donation to other charitable institution/trust or institution of similar objects/nature*
- *Aid to deprived people*
- *Scholarships to brilliant and deserving students of Mumbai*
- *Medical aid*
- *Donation and contributions to other charitable trust and institution of similar objects*

1.2 About the Institution

The Chandrabhan Sharma College of Arts, Science and Commerce was established to serve the ever-growing need for higher education in the vicinity of Powai. The degree College started in 2008 is affiliated to the University of Mumbai and offers various professional courses like B.M.S, B.M.M, BSc. IT, etc. The College got affiliation from YCMOU in 2015 and conducts courses like BCA, BIS etc.

The first successful batch of graduates passed out in the year 2011. The College had a very modest beginning with around 100 students, but with the vision of the Trustees, the Principal and a team of qualified and dedicated staff members it has grown to strength of 2,000+ students.

The College lays emphasis on building values, nurturing talent and developing the intellectual faculty of the students.

1.3 Statements of the Institution

1.3.1 Vision

The College proposes " *To be an academy of excellence, which will provide transformative and empowering educational experiences to generate globally competitive youth.*"

1.3.2 Mission

The College adheres and focuses

- ➔ *To provide quality education that aims at preparing students for the challenges of life.*
- ➔ *To bring about an all-round development in the personality of the students.*
- ➔ *To encourage students to participate in inter-collegiate events and help them acquire and hone up their skills through peer learning.*
- ➔ *To assist students in getting suitable placements.*
- ➔ *To promote sports and inculcate discipline amongst the students and help them to be physically and mentally fit.*
- ➔ *To encourage students to go beyond books and to make them globally competent.*

1.3.3 Aim

The College has formulated the following aim *To be an academy of excellence, which will provide transformative and empowering educational experiences to generate globally competitive youth.*"

1.3.4 Objective

It is the objective of the College

- ➔ *To impart value based education.*
- ➔ *To emphasis on subject to make them responsible of concept to facilitates logical thinking.*
- ➔ *To inculcate discipline among students to make them responsible citizen.*

- To promote sport, cultural & fine arts.
- To develop the personality, confidence & Communication skills of the students.
- To establish industry network.
- To promote welfare by providing relief to the needy and deserving students.
- To Provide a secular outlook to students which will help them adapt globally
- To upgrade infrastructure to compete with global standards

The commitment of the Institute is towards continuous improvement and democratic functioning, as is reflected in its vision and mission statements, which in turns become the guiding principles for the governance of the Institute.

1.4 Assessment of the Institute

1.4.1 Affiliations

The Institute is affiliated to **Mumbai University**, a collegiate state-owned public university in Mumbai and one of the largest university systems in the world.

1.4.2 Certification

The College submits its academic records every year to the **All India Survey of Higher Education (AISHE)** Govt. of India through its registered allocated code which is C - 34088.

1.4.3 Accreditation

The College received a **B+ Grade with a CGPA 2.57 in the First cycle of accreditation** in the year 2017 awarded by the National Assessment & Accreditation Council (NAAC) to the College.

2. Overview

2.1 Summarised Populace analysis for 2022-2023

2.1.1 Students data

The data (shared by the Institute) shows there were a total of **950 male and 479 female students.**

2.1.2 Staff data

S. No.	Type	Male	Female	Total
1	Admin staff	05	01	06
2	Teaching staff	14	10	24
3	Non-Teaching staff	22	18	40
Total Staff Members		41	29	70

Table 1: Staff data of the Institution for 2022-2023

The staff data shows the College premises had a total of **70 Staff Members.**

2.2 Summarised Populace analysis for 2021-2022

2.2.1 Students data

The data (shared by the Institute) shows there were a total of **914 male and 496 female students.**

2.2.2 Staff data

S. No.	Type	Male	Female	Total
1	Admin staff	05	01	06
2	Teaching staff	11	12	23
3	Non-Teaching staff	14	08	22
Total Staff Members		30	21	51

Table 2: Staff data of the Institution for 2021-2022

The staff data shows the College premises had a total of **51 Staff Members.**

2.2 Total College Area & College Building Spread Area

The **total site area is 0.75 acres** and the **total Built-up area of the Institute is 1,29,166.93 sq. ft.** for an **approximately 1,499 footfalls.**

2.3 Institute Infrastructure

2.3.1 Establishment

The Institute was established in **2008.**

2.3.2 Spatial Organisation

There are provisions for staircase for accessibility on the premises, whereas there are amenities such as CCTV, a first aid room, etc. The Institute is located pretty close to nature and hence has a very fresh environment which is absolutely pollution free and healthy. The Building is a Reinforced Cement Concrete (RCC) framework building.

2.4 Operation and Maintenance of the premises

The interview session was held with the staff regarding the operation and working hours. The Institution is open from Monday to Saturday from 10:00 hours to 17:00 hours.

3. Research

3.1 About the Green Building Study Audit

It is a systematic study of the aspects which make the Institution sustainable and healthy premises for its inhabitants.

3.2 Analysis of the Green Building Study Audit

The procedure included detailed verification as follows:

- ➔ Investigation
- ➔ Technical discussion with team
- ➔ Observations
- ➔ Inferences

3.3 Strategy adopted for Green Building Study Audit

The strategies included data collection from the admin department, actual inventory, investigation to check the operation and maintenance, analysis of the data collection, and preparation of the Report.

3.4 Activities undertaken for the Green Building Study Audit

- ➔ Discussion with the Institute
- ➔ Allotment and Initiation by the Institute
- ➔ Data collection
- ➔ Submission of the files

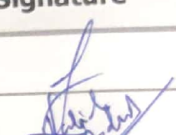
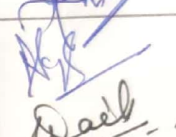
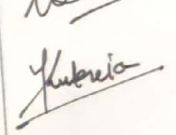

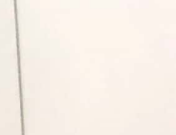
Evidence documents for Site visit of external audit team

Audit team headed by external expert - Ar. Nahida Abdulla
Accredited & Certified Green Building Professional, ISO IA (IMS)
Audit objective: Green Building up gradation of the premises

Audits covered: Green audit Energy audit Environment audit

Institute: Chandrabhan Sharma College of Arts, Commerce & Science Date: 3rd May, 2023

Document objective: Induction Meeting attendance sheet



S. No.	Name	Committee	Designation	Signature
1.	Mrs. F. A. Shaikh	External	Project Coordinator	
2.	Ar. Nahida Abdulla	External	Project Head	
3.	Dr. Pratima Singh		Principal	
4.	Ms. Manali Nait		IGAC member	
5.	Mr. Vicky Kukreja		IGAC member	

Signature & round seal

Name:

Designation:

For the said Institute

Signature & round seal

Name: Mrs. F. A. Shaikh

Designation: Project Coordinator

For The Greenvio Solutions

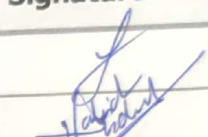
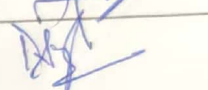
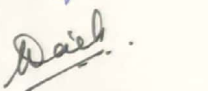
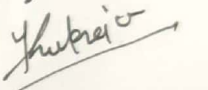




Evidence documents for Site visit of external audit team

Audit team headed by external expert - Ar. Nahida Abdulla
Accredited & Certified Green Building Professional, ISO IA (IMS)
Audit objective: Green Building up gradation of the premises

Audits covered: Green audit Energy audit Environment audit

Institute: Chandrabhan Sharma College Date: 3rd May, 2023
of Arts, Commerce & Science
Document objective: Exit Meeting attendance sheet

S. No.	Name	Committee	Designation	Signature
1.	Mrs. F. A. Shaikh	External	Project Coordinator	
2.	Ar. Nahida Abdulla	External	Project Head	
3.	Dr. Pratima Singh		Principal	
4.	Ms. Manali Naik		IQAC member	
5.	Mr. Vicky. Kukreja		IQAC member	

Signature & round seal

Name: Dr. Pratima Singh

Designation:

For the said Institute



Signature & round seal

Name: Mrs. F. A. Shaikh

Designation: Project Coordinator

For The Greenvio Solutions



4. Green Practices Audit

The increasing global warming and climate change have made us realise that apart from the enormous strategies the individual small efforts need to be taken by individuals and Educational Institutes as the younger generations are the future of the world and once they are taught about these practices only then can we assume a better future.

4.1 Green practices

We observed the following points during the Site investigation and data verification of the premises; these are common for all the Buildings on the premises.

- **Social awareness** - *The College has taken up awareness drives on various social issues for rural upliftment and regeneration in the College and surrounding villages.*
- **Fresh environment** – *The College provides an eco-friendly ambience with fresh air and soothing environment which helps to maintain a physical and mental balance. This kind of a space it a must for an educational specially technical institute which is inviting and gives the stakeholders an opportunity to explore indoor and outdoor learning to a great extent.*
- **Team work** – *The best quality of the College which sets it apart is its coordinating, cooperative staff members; for a building the foundation plays the most important role for its future similarly for an educational institute its staff members do.*

4.2 Community development

The College conducts environmental initiatives documented as follows:

S. No.	Name of the event	Why and how was it celebrated?	Date and year
1	Shifting of Climatic Preparedness	Various measures that can be undertaken for saving our planet.	16-Sep-21

2	Swachh Bharat Abhiyan at Powai Lake Garden	Students cleaning the garden as a part of swachh Bharat Abhiyan so that the garbage does not reach the lake polluting it further. The collected garbage was disposed of properly.	02-Oct-21
3	Visit to Marine and Coastal Biodiversity Centre	To watch different species of migrating birds like flamingos, peahens and different species of mangroves. To understand how mangroves are important for the ecosystem, pollution-causing factors and how pollution is affecting the Thane Creek.	27-Nov-21
4	Webinar "Miracle Enzyme"	Organic chemical free enzyme not only cleans your house efficiently but also purifies the water bodies when it goes down the drain. It helps in waste management, reduces global warming, helps in soil recovery, purifies air and water. That is why it is called Miracle Enzyme.	12-Feb-22
5	Celebration of World Aquatic Animals Day	Nature trail and understanding life of aquatic animals	08-Apr-22
6	Working towards carbon neutral planet	Students get to know about various organisations working to protect the environment. Students get to know the importance of going green. Awareness spread among students about the dangers faced by the planet earth and the measures that need to be taken to preserve the ailing planet.	10-Sep-22
7	Dhangar Waterfall Trek - Badlapur	Students get to know about various organizations working to protect the environment. Students get to know the importance of green environment. Awareness spread among students about the dangers faced by the planet earth and the measures that need to be taken to preserve the ailing planet.	19-Sep-22
8	E-Waste Week	1. Students understood the harmful effect of E-Waste. 2. Student understood how to dispose E-waste Safely.	17 - 21 October 2022
9	World Wetlands Day	To Understand the importance of Wetland for Ecosystem. To Understand the importance of Wetland for green environment.	02-Feb-23
10	Seminar on Awareness about "E-waste"	The event aimed to spread awareness about the harmful effects of electronic waste on the environment and to promote sustainable practices in disposing of electronic devices.	29 th March 2023

Table 3 Details of the environment events in the premises

4.2 Section-wise recommendations related to 'Green practices'

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission**. The Institute can execute a plan after discussion with Project Head.

- ➔ **Increase the plantations on the premise** - There can be provision for more plantations on the premise maybe even a Kitchen garden facility.
- ➔ **Plant as a gift** - As a kind gesture, the guests visiting the premise can be asked to plant a small plant on the premise itself and they can be even given plants/bouquets from the flowers of the plants on the premise as a gift.
- ➔ **Tree adoption scheme in the premises** - The Institute can adopt the One Faculty – One tree adoption scheme; this can be practiced on occasions such as toppers meet, guest sapling plantations, specific zoning of the tree adoption area. this can be very beneficial, especially during the summer season.
- ➔ **No vehicle day** - Once in a while, a No vehicle day can be adopted by students and staff to promote the use of eco-friendly vehicles on the premise.
- ➔ **Signages on the plants mentioning scientific names** - The practice of having the names of each plant and tree will provide awareness among the staff and students.
- ➔ **Documentation** – Improve and increase the documentation and visibility/ reflectance of the environment related events on the website, social media handles

5. Waste Audit

Waste is an inevitable part of our lives. Over the years the awareness about waste management techniques has given a rise to rethink how the waste can be avoided being sent to the landfills. The audit provides an approximation of the types of waste generated, location of waste collections, disposal techniques used, waste segregation methodologies adopted, and waste management strategies that are implemented in addition to the newer ways that can be adopted aiming to make the premise clean and sustainable.

5.1 Waste produced

- **Solid waste** – The solid waste from the toilets is let into the storm water drains. *We suggest undertaking a biogas plant in the premises as there is availability of land and resources.*
- **Liquid waste** – The black and grey water from the wash basin and kitchens, toilets is let into the storm water drains. *The practice is as per the local municipal corporation rules and no suggestions are required for this section.*
- **E-waste management** – *An E-waste bin is available in the premises and thus no suggestions are required for this section.*
- **Plastic waste** – The current practices involve sensitization programs and awareness drives, however *we suggest practicing a dedicated Plastic collection drive and utilising the same for a best out of waste installation.*
- **Bio-waste** – *The sanitary vending machine are in working conditions and these are used as substitutes for bio-waste management.*

5.2 Bins summary

There are 56 dustbins inside the premises; these are available in the form of plastic bins.

5.3 Section-wise recommendation related to 'waste audit'

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission.** The Institute can execute a plan after discussion with Project Head.

- ➔ **Signages** - Messages about avoiding wastage should be placed at appropriate locations.
- ➔ **Material of the dustbin** - The current plastic dustbins should be replaced with eco-friendly material.

DETAILED REPORT

6. Water Audit

Water is one of the basic needs. Pure drinking water is a resource that needs to be preserved efficiently. A water audit helps to identify the sources of water consumption, and the water requirement by the premises is met by these sources. The points and effective usage without any wastage. Understanding the techniques which are best suited to the site to increase water conservation in terms of awareness and practice.

6.1 Water availability and consumption

6.1.1 Source of Primary water supply

The College requires water from the Local Municipality for drinking water purposes, the details of the same are documented below:

S. No.	Type	Capacity (litres)	Nos.
1	Overhead	5,000	1
2	Overhead	10,000	1
3	Overhead	10,000	1
4	Fire tank	10,000	1

Table 4: Details of the water tanks in the premises

6.1.2 Source of Secondary water supply

The College uses the secondary sources of water supply for general usages such as watering plants, kitchen, toilets, and wash basins connected to the labs and other spaces.

6.1.3 Source of Tertiary water supply

The tertiary source of water is the additional source of water harvesting. *There is a rain water harvesting tank available in the premises.*

6.1.4 Source of Reusing waste water

The initiative is not under practice at present completely only the chemicals are neutralized before letting it down in the drains. *We have suggested to under practices of green chemistry as per discussion to treat the waste water from the laboratories and reused the same after filtering for watering the plants and the trees in the premises.*

6.2 Areas of water usage

Based on the inventory done and data shared by the staff it was found that the premise has the following facilities:

- ➔ Urinals - 06 nos.
- ➔ Toilets - 14 nos.
- ➔ Washbasins - 21 nos.
- ➔ Taps (Indoors) - 38 nos.
- ➔ Taps (Outdoors) - 01 nos.

As per the data shared by the College and on-site observation, it was noted that there is no water wastage of water in the form of Cleanliness of toilets.

6.3 Recommendations for a Sustainable Habitat

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission.** The Institute can execute a plan after discussion with Project Head.

- ➔ **Rain water bunds** – There should be landscape beautification project undertaken to appropriate channelize the rain water through bunds and similar facilities.
- ➔ **Waterless urinals** - There can be the provision of waterless urinals as a Green Building initiative in the premise, either the existing ones can be replaced with such a facility or new toilets can be constructed in this manner.
- ➔ **Signages** - Messages about avoiding water wastage should be placed at appropriate locations.

7. Health and Hygiene Audit

The hygiene is a part and parcel of our daily life. It is extremely essential to keep the surroundings clean in the same manner as we would want our houses to be. Educational Institutes have a bigger role to play in order to affect the young minds in the positive manner through better hygienic practices.

7.1 Facilities available

The Institution has washroom facility, hand wash, drinking water and dustbin facilities.

7.2 Smoke Exposure

The Institution is a smoke free premise which helps in adapting to a Healthy Institution

7.3 Hygiene

- There was certain odour issue faced during the investigation.
- The areas of water tanks in site on ground floor are clean

7.4 Section-wise recommendation related to 'Health and hygiene audit'

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission**. The Institute can execute a plan after discussion with Project Head.

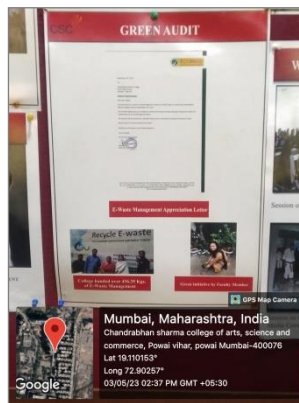
- **Courtyards and duct areas** – These are located in the internal and setback should have vertical gardens for beautification.
- **Signboards** – The Institute should have multiple signboards about 'No smoking' and 'Healthy premises' at every nook and corner of the Institute.
- **Compound wall** – The compound wall should have awareness messages about 'No Smoking' and 'No Tobacco'



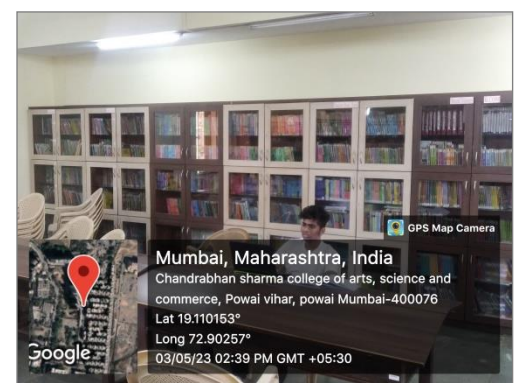
Discussion with the core team



Investigative parameters – Energy Management – Appliances, awareness posters



Investigative parameters – Water Management – E-waste certificate, Dustbins in the premises



Investigative parameters – Fire & Life safety; General areas in the premises

8. Compilation

The study is based on the data collected, analysed, rechecked, and confirmed through multiple modes. For the quality study, some standards/ notes have been referred to. These are listed and noted below. However, no direct references have been used anywhere. These are used as a base to analyse and study the data collected.

- ➔ Uniform Plumbing Code – India, 2008
- ➔ IGBC Green Existing Buildings – Operation & Maintenance (O&M) Rating system, Pilot version, Abridged Reference Guide, April 2013
- ➔ IGBC Green Landscape Rating system, March 2013
- ➔ BOMA Canada Waste Auditing Guide, Best Environmental Standards, BOMA BEST – Canada
- ➔ Used only for understanding Universal design - Universal Accessibility Guidelines for Pedestrian, Non-motorized vehicle and Public Transport Infrastructure – Report guidelines by Samarthyam (National center for Accessible Environments) – an initiative supported by Shakti Sustainable Energy Foundation and www.umassd.edu
- ➔ The city of Cheyenne, Streetscape/ Urban Design elements - Wyoming Planning Association, Gillette, Wyoming, United States
- ➔ Images on site by Coordinators of the both teams
- ➔ Icon images used by <https://www.vecteezy.com/free-vector/security-camera-icon> and <https://www.vecteezy.com/free-vector/electric-car-icon>



ENVIRONMENT AUDIT

STUDY PERIOD (TWO YEARS) 2021 – 2022 & 2022 - 2023

Sustainability study
AUDIT REPORT

Studied for
Smt. Durgadevi Sharma Charitable Trust's
**Chandrabhan Sharma College of Arts,
Commerce & Science**
Adi Shankaracharya Marg, Powai Vihar Complex,
Powai, Mumbai – 400076, Maharashtra, India

Studied in the capacity of
Accredited and Certified
Green Building Professional



Website: <https://thegreenviosolutions.co.in/>

Email: greenviosolutions@gmail.com

Valid till **April 2024**

Disclaimer

The Audit Team has prepared this report for the **Smt. Durgadevi Sharma Charitable Trust's Chandrabhan Sharma College of Arts, Commerce & Science** located Adi Shankaracharya Marg, Powai Vihar Complex, Powai, Mumbai – 400076, Maharashtra, India based on input data submitted by the College analysed by the team to the best of their abilities.

The details have been consolidated and thoroughly studied as per the various guidelines for Green Buildings available in National and International Standards; the report has been generated based on comparative analysis of the existing facilities and the prerequisites formulated by various standards. The inputs derived are a result of the inspection and research. These will further enhance and develop a Healthy and Sustainable Institution.

These can be implemented phase wise or as a whole depending on the decision taken by the Hon'ble Management and College. The warranty or undertaking, expressed or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report.

The audit is a thorough study based on the inspection and investigation of data collected over a period of time and should not be used for any legal action. This is the property of Greenvio Solutions and should not be copied or regenerated in any form.

The Report is prepared by the Team of Greenvio Solutions under their brand and department – Sustainable Academe as Consultancy firm with the Project Head - Ar. Nahida Shaikh who is as an Accredited and Certified Green Building Professional-Architect. Green Building consultancy is her forte and she is one of the most sought after names when it comes to providing excellent quality services within the stipulated time frame.

The Study is conducted in capacity of Accredited & Certified Green Building Professional with extensive experience.

Greenvio Solutions

Developing Healthy and Sustainable Environments

We are an Environmental and Architectural Design Consultancy firm

Sustainable Academe is our department for conducting Audits

Palghar District, Maharashtra- 401208

sustainableacademe@gmail.com

Acknowledgement

The Audit Assessment Team thanks the **Smt. Durgadevi Sharma Charitable Trust's Chandrabhan Sharma College of Arts, Commerce & Science, Maharashtra, India** for assigning this important work of Environment Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are due to **Mr. Prashant G. Sharma**, President; **Mr. Himanshu P. Sharma**, Vice President; **Dr. Manju P. Sharma**, Treasurer; **Mr. Diksthan G. Sharma**, Secretary and everyone from the Management.

Our heartfelt thanks to Chairpersons of the entire process **Dr. Pratima Singh**, Principal for the valuable inputs.

We are also thankful to **College's Task force the faculty members** who have collected data required - **Ms. Manali Naik**, Convenor - Placements & Career Guidance Cell & Cordinator - Department of Multimedia & Mass communication; **Mr. Vicky Kukreja**, Assistant Professor.

We highly appreciate the assistance of **Mr. Sainath Sawant, Technical staff** and the **entire Teaching, Non-teaching and Admin staff** for their support while collecting the data.

Sustainable Academe

Brand of Greenvio Solutions, Palghar District, Maharashtra- 401208

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2. Overview	7
3. Research	9
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6. References	15

DETAILED REPORT

Evidence documents for Site visit of external audit team

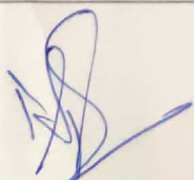
Audit team headed by external expert - Ar. Nahida Abdulla
 Accredited & Certified Green Building Professional, ISO IA (IMS)
 Audit objective: Green Building up gradation of the premises

Audits covered: Green audit Energy audit Environment audit

Institute: Chandrabhan Sharma College of Arts, Commerce & Science Date: 3rd May, 2023

Document objective: Inferences of the Site visit

Observations (Positive aspects)	Suggestions (Improvement aspects)
Green Audit	
<ul style="list-style-type: none"> - Rain water harvesting practiced - E-waste management practiced. 	<ul style="list-style-type: none"> - Undertake organic waste management
Energy Audit	
<ul style="list-style-type: none"> - Sensor based lights used 	<ul style="list-style-type: none"> - Undertake alternate source of energy.
Environment Audit	
<ul style="list-style-type: none"> - Tree undertaken on rooftop (under process) 	<ul style="list-style-type: none"> - Undertake measures to increase green cover on vertical front



Signature & round seal

Name:

Designation:

For the said Institute



Signature & round seal

Name: Mr. F. A. Shaikh

Designation: Project Coordinator

For The Greenvio Solutions



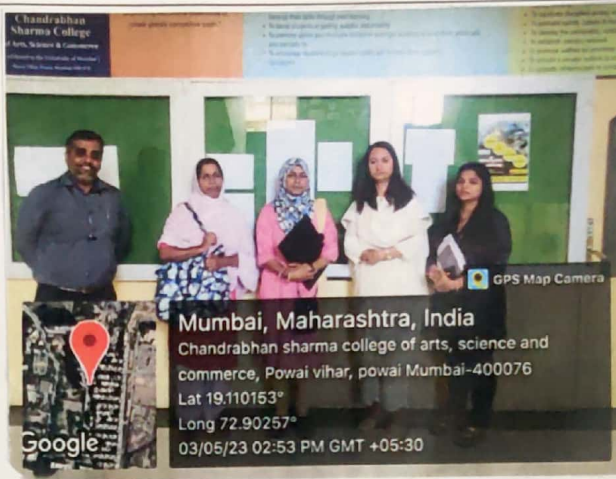
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Institute: Chandrabhan Sharma College of Arts, Commerce & Science Date: 3rd May, 2023

Document objective: Proof of the Site visit



Meeting with the core team



Investigation of the systems

Signature & round seal
Name: Dr Pratima Singh
Designation:
For the said Institute



Signature & round seal
Name: Mrs. F. W. Shaikh
Designation: Project Coordinator
For The Greenvio Solutions



1. Introduction

1.1 About the Trust

Charitable purpose including relief of poverty, distress, education, medical relief and advancement or other objects of general public utility and on conduct, maintain or assist schools, colleges, dispensaries, hospitals, orphanages, home for destitute and other institutions and activities of charitable nature are undertaken. The works revolve around the following:

- *Setting up Schools and colleges or other educational institutions and donation to other charitable institution/trust or institution of similar objects/nature*
- *Aid to deprived people*
- *Scholarships to brilliant and deserving students of Mumbai*
- *Medical aid*
- *Donation and contributions to other charitable trust and institution of similar objects*

1.2 About the Institution

The Chandrabhan Sharma College of Arts, Science and Commerce was established to serve the ever-growing need for higher education in the vicinity of Powai. The degree College started in 2008 is affiliated to the University of Mumbai and offers various professional courses like B.M.S, B.M.M, BSc. IT, etc. The College got affiliation from YCMOU in 2015 and conducts courses like BCA, BIS etc.

The first successful batch of graduates passed out in the year 2011. The College had a very modest beginning with around 100 students, but with the vision of the Trustees, the Principal and a team of qualified and dedicated staff members it has grown to strength of 2,000+ students.

The College lays emphasis on building values, nurturing talent and developing the intellectual faculty of the students.

1.3 Statements of the Institution

1.3.1 Vision

The College proposes " *To be an academy of excellence, which will provide transformative and empowering educational experiences to generate globally competitive youth.*"

1.3.2 Mission

The College adheres and focuses

- ➔ *To provide quality education that aims at preparing students for the challenges of life.*
- ➔ *To bring about an all-round development in the personality of the students.*
- ➔ *To encourage students to participate in inter-collegiate events and help them acquire and hone up their skills through peer learning.*
- ➔ *To assist students in getting suitable placements.*
- ➔ *To promote sports and inculcate discipline amongst the students and help them to be physically and mentally fit.*
- ➔ *To encourage students to go beyond books and to make them globally competent.*

1.3.3 Aim

The College has formulated the following aim *To be an academy of excellence, which will provide transformative and empowering educational experiences to generate globally competitive youth.*"

1.3.4 Objective

It is the objective of the College

- ➔ *To impart value based education.*
- ➔ *To emphasis on subject to make them responsible of concept to facilitates logical thinking.*
- ➔ *To inculcate discipline among students to make them responsible citizen.*

- To promote sport, cultural & fine arts.
- To develop the personality, confidence & Communication skills of the students.
- To establish industry network.
- To promote welfare by providing relief to the needy and deserving students.
- To Provide a secular outlook to students which will help them adapt globally
- To upgrade infrastructure to compete with global standards

The commitment of the Institute is towards continuous improvement and democratic functioning, as is reflected in its vision and mission statements, which in turns become the guiding principles for the governance of the Institute.

1.4 Assessment of the Institute

1.4.1 Affiliations

The Institute is affiliated to **Mumbai University**, a collegiate state-owned public university in Mumbai and one of the largest university systems in the world.

1.4.2 Certification

The College submits its academic records every year to the **All India Survey of Higher Education (AISHE)** Govt. of India through its registered allocated code which is C - 34088.

1.4.3 Accreditation

The College received a **B+ Grade with a CGPA 2.57 in the First cycle of accreditation** in the year 2017 awarded by the National Assessment & Accreditation Council (NAAC) to the College.

2. Overview

2.1 Summarised Populace analysis for 2022-2023

2.1.1 Students data

The data (shared by the Institute) shows there were a total of **950 male and 479 female students.**

2.1.2 Staff data

S. No.	Type	Male	Female	Total
1	Admin staff	05	01	06
2	Teaching staff	14	10	24
3	Non-Teaching staff	22	18	40
Total Staff Members		41	29	70

Table 1: Staff data of the Institution for 2022-2023

The staff data shows the College premises had a total of **70 Staff Members.**

2.2 Summarised Populace analysis for 2021-2022

2.2.1 Students data

The data (shared by the Institute) shows there were a total of **914 male and 496 female students.**

2.2.2 Staff data

S. No.	Type	Male	Female	Total
1	Admin staff	05	01	06
2	Teaching staff	11	12	23
3	Non-Teaching staff	14	08	22
Total Staff Members		30	21	51

Table 2: Staff data of the Institution for 2021-2022

The staff data shows the College premises had a total of **51 Staff Members.**

2.2 Total College Area & College Building Spread Area

The **total site area is 0.75 acres** and the **total Built-up area of the Institute is 1,29,166.93 sq. ft.** for an approximately 1,499 footfalls.

2.3 Institute Infrastructure

2.3.1 Establishment

The Institute was established in **2008**.

2.3.2 Spatial Organisation

There are provisions for staircase for accessibility on the premises, whereas there are amenities such as CCTV, a first aid room, etc. The Institute is located pretty close to nature and hence has a very fresh environment which is absolutely pollution free and healthy. The Building is a Reinforced Cement Concrete (RCC) framework building.

2.4 Operation and Maintenance of the premises

The interview session was held with the staff regarding the operation and working hours. The Institution is open from Monday to Saturday from 10:00 hours to 17:00 hours.

3. Research

3.1 About the Green Building Study Audit

It is a systematic study of the aspects which make the Institution sustainable and healthy premises for its inhabitants.

3.2 Analysis of the Green Building Study Audit

The procedure included detailed verification as follows:

- ➔ Investigation
- ➔ Technical discussion with team
- ➔ Observations
- ➔ Inferences

3.3 Strategy adopted for Green Building Study Audit

The strategies included data collection from the admin department, actual inventory, investigation to check the operation and maintenance, analysis of the data collection, and preparation of the Report.

3.4 Activities undertaken for the Green Building Study Audit

- ➔ Discussion with the Institute
- ➔ Allotment and Initiation by the Institute
- ➔ Data collection
- ➔ Submission of the files

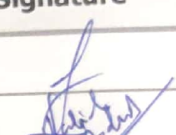
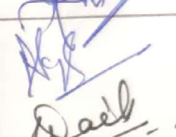
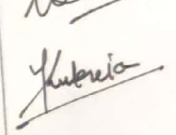

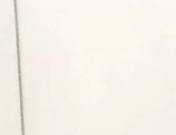
Evidence documents for Site visit of external audit team

Audit team headed by external expert - Ar. Nahida Abdulla
Accredited & Certified Green Building Professional, ISO IA (IMS)
Audit objective: Green Building up gradation of the premises

Audits covered: Green audit Energy audit Environment audit

Institute: Chandrabhan Sharma College of Arts, Commerce & Science Date: 3rd May, 2023

Document objective: Induction Meeting attendance sheet



S. No.	Name	Committee	Designation	Signature
1.	Mrs. F. A. Shaikh	External	Project Coordinator	
2.	Ar. Nahida Abdulla	External	Project Head	
3.	Dr. Pratima Singh		Principal	
4.	Ms. Manali Nait		IGAC member	
5.	Mr. Vicky Kukreja		IGAC member	

Signature & round seal

Name:

Designation:

For the said Institute

Signature & round seal

Name: Mrs. F. A. Shaikh

Designation: Project Coordinator

For The Greenvio Solutions

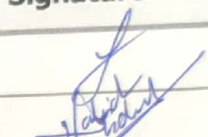
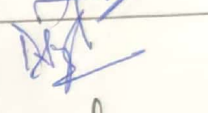
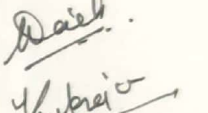
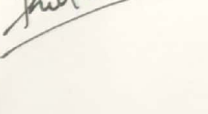




Evidence documents for Site visit of external audit team

Audit team headed by external expert - Ar. Nahida Abdulla
Accredited & Certified Green Building Professional, ISO IA (IMS)
Audit objective: Green Building up gradation of the premises

Audits covered: Green audit Energy audit Environment audit

Institute: Chandrabhan Sharma College Date: 3rd May, 2023
of Arts, Commerce & Science
Document objective: Exit Meeting attendance sheet

S. No.	Name	Committee	Designation	Signature
1.	Mrs. F. A. Shaikh	External	Project Coordinator	
2.	Ar. Nahida Abdulla	External	Project Head	
3.	Dr. Pratima Singh		Principal	
4.	Ms. Manali Naik		IQAC member	
5.	Mr. Vicky. Kulkreja		IQAC member	

Signature & round seal

Name: Dr. Pratima Singh

Designation:

For the said Institute



Signature & round seal

Name: Mrs. F. A. Shaikh

Designation: Project Coordinator

For The Greenvio Solutions



4. Investigation

Environment is an essential part for human survival. We co-exist with the environment and it cannot be termed as a separate entity. The Ecological audit helps to understand the flora, fauna that exists and steps that can be taken to improve the same.

To denote if there are problems related to sound in and around the surrounding. In terms of the carbon footprint it helps in keeping a tab on the eco-friendly habits incorporated by the inhabitants of the premises. Health today is the topmost priority, a general understanding of the initiatives undertaken along with sufficient hygiene practices adopted. Universal design is applicable to all built and unbuilt spaces.

4.1 Open Spaces

There is an open space opposite to the premises used by students at present for sports and cultural gatherings. **There are provisions for natural plantations which have enhanced the beauty of the space.**

4.2 Flora audit

4.2.1 Flora audit

The College campus is located in a shared campus with multiple Institutes; however the building for the College is a standalone building. The plants in the premises are documented through a survey by the internal team and refined further as follows:

S. No.	Plant name	Type	Nos.	Planted by
1	Tulsi	Plant	3	Mr. Umesh Kabadi
2	Areca Palm	Plant	26	Management
3	Bamboo	Plant	6	Mr. Tushar. Shah
4	Periwinkle	Shrub	3	Manali Naik
5	Aloe Vera	Plant	1	Ravi Vishwakarma

Table 3: Details of the Flora in the premises

At present, there are 39 nos. plantations on the premises. The overall ambience of premises has lots of plants.

4.3 Noise Audit

On a macro level the College is surrounded by huge farms and minimal residential blocks **thus there is a peaceful and noise free arena observed inside the premises.**

4.4 Carbon Footprint Audit

4.4.1 Eco-friendly Commuting Practices

- The site is located in an urban locality.
- Overall, the carbon footprint is well under control.
- Students and staff members commute using public transport.
- There are no major fossil fuels used inside the premises.
- No kind of garbage burning activity is undertaken.

4.4.2 Heat Island Reduction

The external temperature is well under control owing to shaded walkways and huge nos. of plantations all over the premises.

4.4.3 Outdoor Light Pollution Study

The College compound lights are not upward looking thus, these do not cause light pollution.

4.5 Universally accessible premises

As per World Report on Disability, 2011 there are 180 million approx. Persons with Disabilities that makes it 15% of total population of India.

The following facilities are available on the premises for the specially-abled as part of universally accessible premises initiatives.

- Low height risers in the staircases
- Non-slippery floor surfaces
- Lifts for user friendly accessibility

The design of the premises is highly appropriate for access with passages and corridors being wide enough in size and naturally ventilated.

4.6 Fire Safety

Fire and life safety are an important consideration of the National Building Code 2016. This aspect is touched upon as part of this study in the capacity of an Architect registered with the Council of Architecture. As part of the research, fire safety audit was considered from the 'Building systems' perspective.

All provisions such as extinguishers, sand buckets, dedicated fire zone safety and exit signages have been undertaken.

DETAILED REPORT

5. Inferences

5.1 Section-wise suggestions related to premises

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission**. The Institute can execute a plan after discussion with Project Head.

5.1.1 Site beautification

- ➔ **Bird house/ Feeders** - At appropriate locations there can be provisions for drinking water and some grains for birds as they visit the site much frequently.
- ➔ **Child area** - There can be one provision where if student's or staff relative who are toddlers or senior citizens can rest and this area could have facilities accordingly.

5.1.2 Universally accessible premises

- ➔ **Provisions for visually impaired - Signages** – In addition to the signages being in regular language there should be additional signages in braille language for the specially-abled students.
- ➔ **Provisions for visually impaired - Tactile flooring** – The indoor and outdoor of the premises should have dedicated tactile flooring for the visually impaired.

5.1.3 Life safety

NO recommendations suggested for this section.

5.1.4 Pollution Control

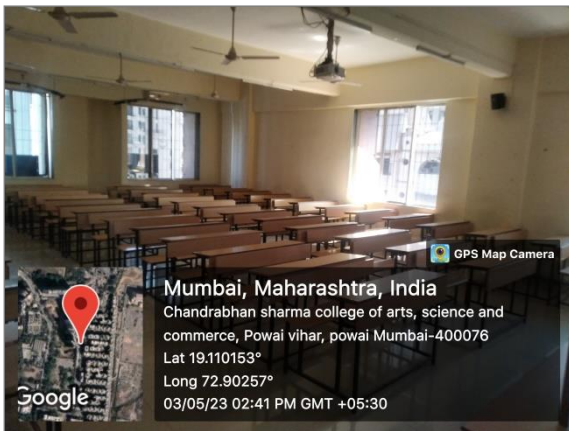
- ➔ **Internal circulation** – (applicable only to large campuses) – There could be an e-vehicle for public transportation that can be used by the stakeholders for internal circulation.

- ➔ **Battery charging points for Eco-friendly vehicles** - There can be provision for battery charge points, this would inspire students to change their mode of transportation and adopt sustainable practices.
- ➔ **Bicycles as a gift** - As an appreciation gesture maybe the student's toppers/ staff best performers can be awarded a bicycle occasionally.
- ➔ **Paperless technologies for offices** - The Institute can go technology-friendly and go paperless in the functioning of the Premise to a certain extent maybe not fully.
- ➔ **Avoid paper wastage through books** - The Institute can collect all old semester notebooks; these can either be converted to reusable paper on the premises through a workshop or using a shredder machine or handed over to a vendor for making fresh paper. Additionally, the Students can be motivated to undertake similar practices on an individual note.

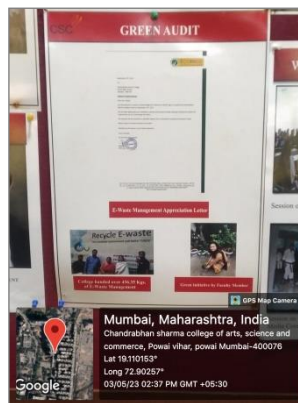
DETAILED REPORT



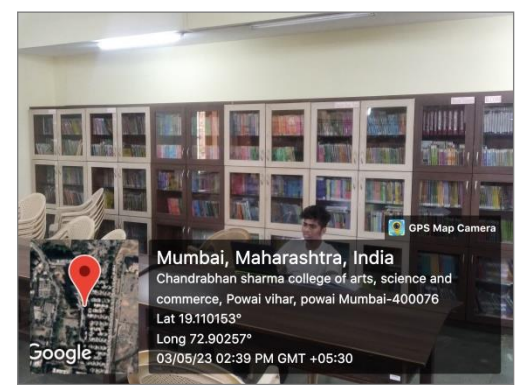
Discussion with the core team



Investigative parameters – Energy Management – Appliances, awareness posters



Investigative parameters – Water Management – E-waste certificate, Dustbins in the premises



Investigative parameters – Fire & Life safety; General areas in the premises

6. References

The study is based on the data collected, analyzed, rechecked, and confirmed through multiple modes. For the quality study, some standards/ notes have been referred to. These are listed and noted below. However, no direct references have been used anywhere. These are used as a base to analyze and study the data collected.

- ➔ Uniform Plumbing Code – India, 2008
- ➔ IGBC Green Existing Buildings – Operation & Maintenance (O&M) Rating system, Pilot version, Abridged Reference Guide, April 2013
- ➔ IGBC Green Landscape Rating system, March 2013
- ➔ BOMA Canada Waste Auditing Guide, Best Environmental Standards, BOMA BEST – Canada
- ➔ Used only for understanding Universal design - Universal accessibility Guidelines for Pedestrian, Non-motorized vehicle and Public Transport Infrastructure – Report guidelines by Samarthyam (National centre for Accessible Environments) – an initiative supported by Shakti Sustainable Energy Foundation.



ENERGY AUDIT

STUDY PERIOD (TWO YEARS) 2021 - 2022 & 2022 - 2023

Sustainability study
AUDIT REPORT

Studied for
Smt. Durgadevi Sharma Charitable Trust's
**Chandrabhan Sharma College of Arts,
Commerce & Science**
Adi Shankaracharya Marg, Powai Vihar Complex,
Powai, Mumbai – 400076, Maharashtra, India

Studied in the capacity of
Accredited and Certified
Green Building Professional



Website: <https://thegreenviosolutions.co.in/>

Email: greenviosolutions@gmail.com

Valid till **April 2024**

Disclaimer

The Audit Team has prepared this report for the **Smt. Durgadevi Sharma Charitable Trust's Chandrabhan Sharma College of Arts, Commerce & Science** located Adi Shankaracharya Marg, Powai Vihar Complex, Powai, Mumbai – 400076, Maharashtra, India based on input data submitted by the College analysed by the team to the best of their abilities.

The details have been consolidated and thoroughly studied as per the various guidelines for Green Buildings available in National and International Standards; the report has been generated based on comparative analysis of the existing facilities and the prerequisites formulated by various standards. The inputs derived are a result of the inspection and research. These will further enhance and develop a Healthy and Sustainable Institution.

These can be implemented phase wise or as a whole depending on the decision taken by the Hon'ble Management and College. The warranty or undertaking, expressed or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report.

The audit is a thorough study based on the inspection and investigation of data collected over a period of time and should not be used for any legal action. This is the property of Greenvio Solutions and should not be copied or regenerated in any form.

The Report is prepared by the Team of Greenvio Solutions under their brand and department – Sustainable Academe as Consultancy firm with the Project Head - Ar. Nahida Shaikh who is as an Accredited and Certified Green Building Professional-Architect. Green Building consultancy is her forte and she is one of the most sought after names when it comes to providing excellent quality services within the stipulated time frame.

The Study is conducted in capacity of Accredited & Certified Green Building Professional with extensive experience.

Greenvio Solutions

Developing Healthy and Sustainable Environments

We are an Environmental and Architectural Design Consultancy firm

Sustainable Academe is our department for conducting Audits

Palghar District, Maharashtra- 401208

sustainableacademe@gmail.com

Acknowledgement

The Audit Assessment Team thanks the **Smt. Durgadevi Sharma Charitable Trust's Chandrabhan Sharma College of Arts, Commerce & Science, Maharashtra, India** for assigning this important work of Energy Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are due to **Mr. Prashant G. Sharma**, President; **Mr. Himanshu P. Sharma**, Vice President; **Dr. Manju P. Sharma**, Treasurer; **Mr. Diksthan G. Sharma**, Secretary and everyone from the Management.

Our heartfelt thanks to Chairpersons of the entire process **Dr. Pratima Singh**, Principal for the valuable inputs.

We are also thankful to **College's Task force the faculty members** who have collected data required - **Ms. Manali Naik**, Convenor - Placements & Career Guidance Cell & Cordinator - Department of Multimedia & Mass communication; **Mr. Vicky Kukreja**, Assistant Professor.

We highly appreciate the assistance of **Mr. Sainath Sawant, Technical staff** and the **entire Teaching, Non-teaching and Admin staff** for their support while collecting the data.

Sustainable Academe

Brand of Greenvio Solutions, Palghar District, Maharashtra- 401208

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DETAILED REPORT

Evidence documents for Site visit of external audit team

Audit team headed by external expert - Ar. Nahida Abdulla
 Accredited & Certified Green Building Professional, ISO IA (IMS)
 Audit objective: Green Building up gradation of the premises

Audits covered: Green audit Energy audit Environment audit

Institute: Chandrabhan Sharma College of Arts, Commerce & Science Date: 3rd May, 2023

Document objective: Inferences of the Site visit

Observations (Positive aspects)	Suggestions (Improvement aspects)
Green Audit	
<ul style="list-style-type: none"> - Rain water harvesting practiced - E-waste management practiced. 	<ul style="list-style-type: none"> - Undertake organic waste management
Energy Audit	
<ul style="list-style-type: none"> - Sensor based lights used 	<ul style="list-style-type: none"> - Undertake alternate source of energy.
Environment Audit	
<ul style="list-style-type: none"> - Tree undertaken on rooftop (under process) 	<ul style="list-style-type: none"> - Undertake measures to increase green cover on vertical front



Signature & round seal

Name:

Designation:

For the said Institute



Signature & round seal

Name: Mr. F. A. Shaikh

Designation: Project Coordinator

For The Greenvio Solutions



Evidence documents for Site visit of external audit team

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Audit objective: Green Building up gradation of the premises

Audits covered: Green audit Energy audit Environment audit

Institute: Chandrabhan Sharma College of Arts, Commerce & Science Date: 3rd May, 2023

Document objective: Proof of the Site visit



Meeting with the core team



Investigation of the systems

Signature & round seal
Name: Dr Pratima Singh
Designation:
For the said Institute



Signature & round seal
Name: Mrs. F. W. Shaikh
Designation: Project Coordinator
For The Greenvio Solutions



1. Introduction

1.1 About the Trust

Charitable purpose including relief of poverty, distress, education, medical relief and advancement or other objects of general public utility and on conduct, maintain or assist schools, colleges, dispensaries, hospitals, orphanages, home for destitute and other institutions and activities of charitable nature are undertaken. The works revolve around the following:

- *Setting up Schools and colleges or other educational institutions and donation to other charitable institution/trust or institution of similar objects/nature*
- *Aid to deprived people*
- *Scholarships to brilliant and deserving students of Mumbai*
- *Medical aid*
- *Donation and contributions to other charitable trust and institution of similar objects*

1.2 About the Institution

The Chandrabhan Sharma College of Arts, Science and Commerce was established to serve the ever-growing need for higher education in the vicinity of Powai. The degree College started in 2008 is affiliated to the University of Mumbai and offers various professional courses like B.M.S, B.M.M, BSc. IT, etc. The College got affiliation from YCMOU in 2015 and conducts courses like BCA, BIS etc.

The first successful batch of graduates passed out in the year 2011. The College had a very modest beginning with around 100 students, but with the vision of the Trustees, the Principal and a team of qualified and dedicated staff members it has grown to strength of 2,000+ students.

The College lays emphasis on building values, nurturing talent and developing the intellectual faculty of the students.

1.3 Statements of the Institution

1.3.1 Vision

The College proposes " *To be an academy of excellence, which will provide transformative and empowering educational experiences to generate globally competitive youth.*"

1.3.2 Mission

The College adheres and focuses

- ➔ *To provide quality education that aims at preparing students for the challenges of life.*
- ➔ *To bring about an all-round development in the personality of the students.*
- ➔ *To encourage students to participate in inter-collegiate events and help them acquire and hone up their skills through peer learning.*
- ➔ *To assist students in getting suitable placements.*
- ➔ *To promote sports and inculcate discipline amongst the students and help them to be physically and mentally fit.*
- ➔ *To encourage students to go beyond books and to make them globally competent.*

1.3.3 Aim

The College has formulated the following aim *To be an academy of excellence, which will provide transformative and empowering educational experiences to generate globally competitive youth.*"

1.3.4 Objective

It is the objective of the College

- ➔ *To impart value based education.*
- ➔ *To emphasis on subject to make them responsible of concept to facilitates logical thinking.*
- ➔ *To inculcate discipline among students to make them responsible citizen.*

- To promote sport, cultural & fine arts.
- To develop the personality, confidence & Communication skills of the students.
- To establish industry network.
- To promote welfare by providing relief to the needy and deserving students.
- To Provide a secular outlook to students which will help them adapt globally
- To upgrade infrastructure to compete with global standards

The commitment of the Institute is towards continuous improvement and democratic functioning, as is reflected in its vision and mission statements, which in turns become the guiding principles for the governance of the Institute.

1.4 Assessment of the Institute

1.4.1 Affiliations

The Institute is affiliated to **Mumbai University**, a collegiate state-owned public university in Mumbai and one of the largest university systems in the world.

1.4.2 Certification

The College submits its academic records every year to the **All India Survey of Higher Education (AISHE)** Govt. of India through its registered allocated code which is C - 34088.

1.4.3 Accreditation

The College received a **B+ Grade with a CGPA 2.57 in the First cycle of accreditation** in the year 2017 awarded by the National Assessment & Accreditation Council (NAAC) to the College.

2. Overview

2.1 Summarised Populace analysis for 2022-2023

2.1.1 Students data

The data (shared by the Institute) shows there were a total of **950 male and 479 female students.**

2.1.2 Staff data

S. No.	Type	Male	Female	Total
1	Admin staff	05	01	06
2	Teaching staff	14	10	24
3	Non-Teaching staff	22	18	40
Total Staff Members		41	29	70

Table 1: Staff data of the Institution for 2022-2023

The staff data shows the College premises had a total of **70 Staff Members.**

2.2 Summarised Populace analysis for 2021-2022

2.2.1 Students data

The data (shared by the Institute) shows there were a total of **914 male and 496 female students.**

2.2.2 Staff data

S. No.	Type	Male	Female	Total
1	Admin staff	05	01	06
2	Teaching staff	11	12	23
3	Non-Teaching staff	14	08	22
Total Staff Members		30	21	51

Table 2: Staff data of the Institution for 2021-2022

The staff data shows the College premises had a total of **51 Staff Members.**

2.2 Total College Area & College Building Spread Area

The **total site area is 0.75 acres** and the **total Built-up area of the Institute is 1,29,166.93 sq. ft.** for an **approximately 1,499 footfalls.**

2.3 Institute Infrastructure

2.3.1 Establishment

The Institute was established in **2008.**

2.3.2 Spatial Organisation

There are provisions for staircase for accessibility on the premises, whereas there are amenities such as CCTV, a first aid room, etc. The Institute is located pretty close to nature and hence has a very fresh environment which is absolutely pollution free and healthy. The Building is a Reinforced Cement Concrete (RCC) framework building.

2.4 Operation and Maintenance of the premises

The interview session was held with the staff regarding the operation and working hours. The Institution is open from Monday to Saturday from 10:00 hours to 17:00 hours.

3. Research

3.1 About the Green Building Study Audit

It is a systematic study of the aspects which make the Institution sustainable and healthy premises for its inhabitants.

3.2 Analysis of the Green Building Study Audit

The procedure included detailed verification as follows:

- ➔ Investigation
- ➔ Technical discussion with team
- ➔ Observations
- ➔ Inferences

3.3 Strategy adopted for Green Building Study Audit

The strategies included data collection from the admin department, actual inventory, investigation to check the operation and maintenance, analysis of the data collection, and preparation of the Report.

3.4 Activities undertaken for the Green Building Study Audit

- ➔ Discussion with the Institute
- ➔ Allotment and Initiation by the Institute
- ➔ Data collection
- ➔ Submission of the files

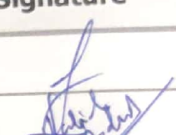
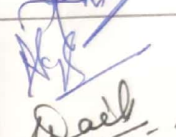
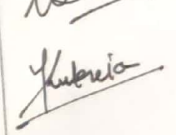

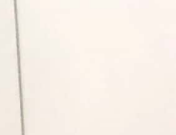
Evidence documents for Site visit of external audit team

Audit team headed by external expert - Ar. Nahida Abdulla
Accredited & Certified Green Building Professional, ISO IA (IMS)
Audit objective: Green Building up gradation of the premises

Audits covered: Green audit Energy audit Environment audit

Institute: Chandrabhan Sharma College of Arts, Commerce & Science Date: 3rd May, 2023

Document objective: Induction Meeting attendance sheet



S. No.	Name	Committee	Designation	Signature
1.	Mrs. F. A. Shaikh	External	Project Coordinator	
2.	Ar. Nahida Abdulla	External	Project Head	
3.	Dr. Pratima Singh		Principal	
4.	Ms. Manali Nait		IGAC member	
5.	Mr. Vicky Kukreja		IGAC member	

Signature & round seal

Name:

Designation:

For the said Institute

Signature & round seal

Name: Mrs. F. A. Shaikh

Designation: Project Coordinator

For The Greenvio Solutions

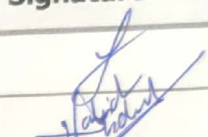
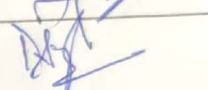
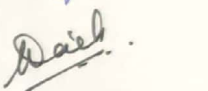
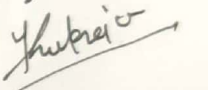




Evidence documents for Site visit of external audit team

Audit team headed by external expert - Ar. Nahida Abdulla
Accredited & Certified Green Building Professional, ISO IA (IMS)
Audit objective: Green Building up gradation of the premises

Audits covered: Green audit Energy audit Environment audit

Institute: Chandrabhan Sharma College Date: 3rd May, 2023
of Arts, Commerce & Science
Document objective: Exit Meeting attendance sheet

S. No.	Name	Committee	Designation	Signature
1.	Mrs. F. A. Shaikh	External	Project Coordinator	
2.	Ar. Nahida Abdulla	External	Project Head	
3.	Dr. Pratima Singh		Principal	
4.	Ms. Manali Naik		IQAC member	
5.	Mr. Vicky. Kukreja		IQAC member	

Signature & round seal

Name: Dr. Pratima Singh

Designation:

For the said Institute



Signature & round seal

Name: Mrs. F. A. Shaikh

Designation: Project Coordinator

For The Greenvio Solutions



4. Investigation

4.1 Sources analysis

The primary and secondary sources of energy consumption are based on the electrical supply through the local government.

4.2 Energy efficiency analysis

4.2.1 Energy efficient practices for alternative sources

- Additional provisions such as solar hot water heaters, solar parking etc., should be introduced in the near future.
- The premise has LED Lights contribute to 46% in terms of number and **62% of the power requirement** is met through the same. As per our study we could conclude that both of these numbers should improve.
- There are sensor based smart lights in the premises.

4.2.2 Energy efficient equipment

- The premise has LED Lights in multiple spaces.
- The air conditioners are BEE star labelled appliances and new.
- There are no energy efficient fans in the premises.

5. Documentation

5.1 Primary sources of energy consumption

- **Electrical (Metered)** – Light, Fans, Equipments, Pumps comprise these sources.
- **Renewable energy** – There sources to harness solar energy in the premises are under process and will be implemented soon.

5.2 Secondary sources of energy consumption

The premise uses batteries, inverters & UPS as backup for administrative purposes.

5.3 Actual Electrical Consumption as per Bills

The College spends a substantial amount on electricity bills every month. However, we would like to recommend the use of alternate sources of energy to harness the electrical loads and reduce the monetary expenses.

S. No.	Month	Year	Amount	Units consumed
Academic year 2021 - 2022				
1	June	2021	45,690	4,269
2	July	2021	68,470	6,414
3	August	2021	31,500	4,086
4	September	2021	34,240	3,489
5	October	2021	61,210	6,242
6	November	2021	58,370	5,953
7	December	2021	68790	7,014
8	January	2022	36100	3,681
9	February	2022	41540	4,236
10	March	2022	80,900	8,227
11	April	2022	74,060	7,453
12	May	2022	60,310	5,953

Academic year 2022 - 2023				
13	June	2022	74,840	7,596
14	July	2022	95,020	8,727
15	August	2022	1,01,640	9,286
16	September	2022	1,07,360	9,775
17	October	2022	93,930	8,236
18	November	2022		8,795
19	December	2022	1,10,480	9,647
20	January	2023	77,053	6,550
21	February	2023	81,250	6,997
22	March	2023	1,04,740	9,195
23	April	2023	1,09,820	9,588

Table 3: Details of the electrical consumption

5.4 Calculated Electrical Consumption as per inventory

The electricity bills provide actual consumption data. The following is the calculated consumption. It is done to understand the percentage of energy usage in the premises by various applications. It is based on the inventory collected and interviews with the staff.

The additional data such as wattage is taken from market research. In terms of electrical consumption, the main sources are lights, fans, air conditioner, and equipment. The inventory and data collection for sources of energy consumed in the premise in summarised in the following sections.

The following documentation is based on the consumption practice of the premises on a regular working day.

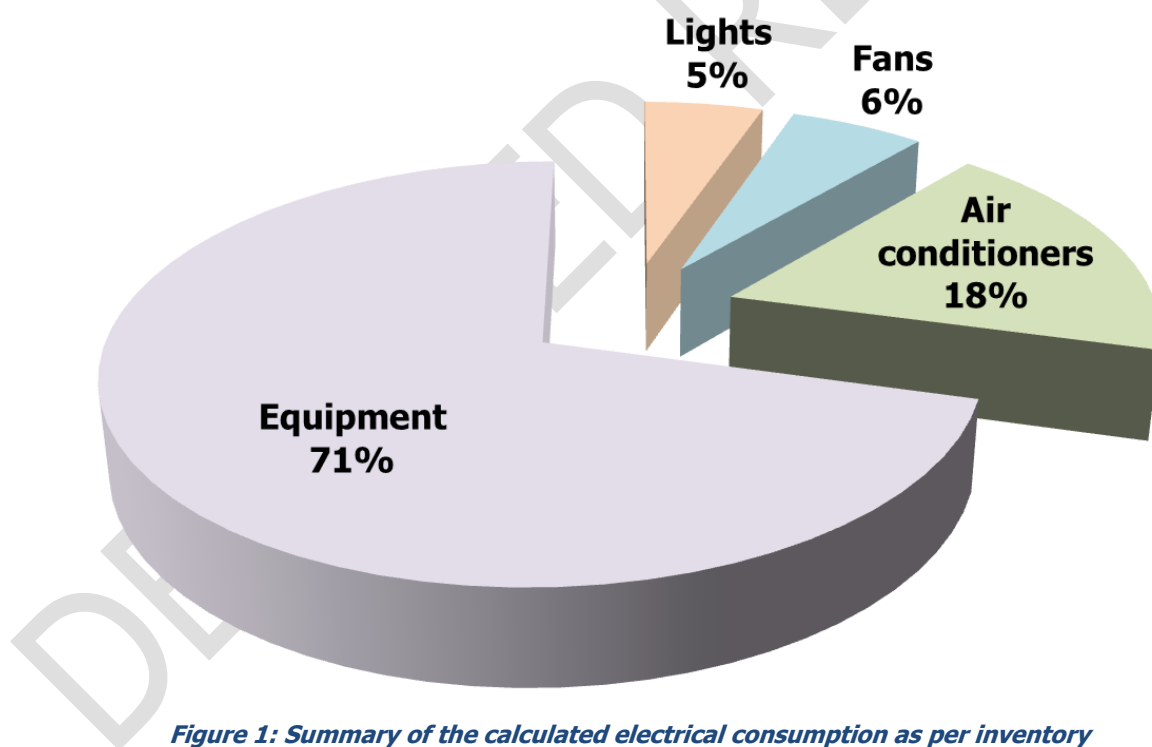


Figure 1: Summary of the calculated electrical consumption as per inventory

The above graph shows that equipment consumes 71% whereas the air conditioners consume 18% while the fans consume 6% and the lights consume 5% of the total calculated electrical energy.

5.5 Lights

5.5.1 Types of lights based on the numbers

There are a total of **555 nos. of lights on the premises**; the following table shows the various types of lights on the premises.

S. No.	Type	Nos.
1	LED (Energy-efficient lights)	343
2	Non-LED (Non Energy-efficient lights)	100
3	CFL (Non Energy-efficient lights)	94
4	Halogen (Non Energy-efficient lights)	18

Table 4: Summary of the types of lights on-premise

5.5.2 Types of lights based on the power consumption

The energy consumption of lights is **25,556 kWh** of energy.

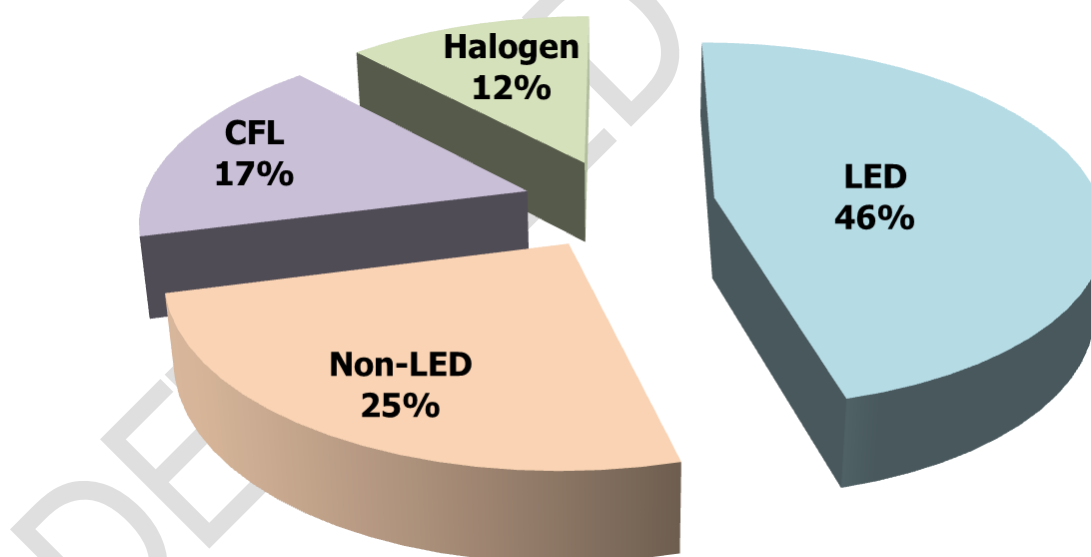


Figure 2: Energy consumed by types of lights in the premise based on the usage study

The analysis of the types of Lights on the premises shows that the **LED lights consume 46%** while the **Non-LED lights consume 25%** whereas the **CFL lights consume 17%** and the **Halogen lights consume 12%** of the total power consumed by lights.

5.6 Fans

5.6.1 Types of fans based on the numbers

There are a total of **381 fans** on the premises as follows:

S. No.	Type	Nos.
1	Ceiling fans	340
2	Small motor exhaust fans	14
3	Wall mounted fans	27

Table 5: Summary of the types of fans in the premises

5.6.2 Types of fans based on the power consumption

The energy consumption of fans is **28,981 kWh** of the energy.

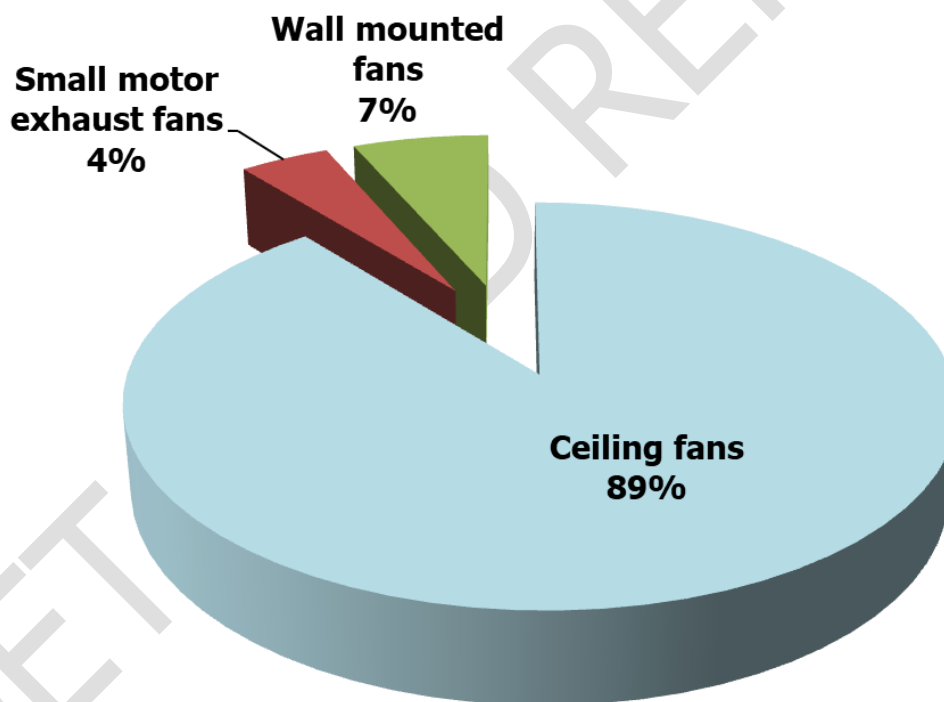


Figure 3: Types of fans based on power consumption

The above analysis shows the **Ceiling fans consume 89%** whereas the **wall mounted fans consume 7%** while the **small motor exhaust fans consume 4%** of the total power.

5.7 Air conditioners

5.7.1 Types of air conditioners based on the numbers

There are **40 air conditioners** on the entire premises.

5.7.2 Building-wise consumption analysis

The energy consumption of air conditioners is **87,000 kWh** of energy.

5.7.3 Site investigation observations

- The major consumption is in the Conference room, Library and IT laboratory as the usage is maximum in these spaces.
- Nearly equal consumption takes place in the rest of the areas wherever there are air conditioners.
- While the least energy is consumed by the air conditioners in the Cabins and the Exam room.

5.7.4 About the replacement of current air conditioners

The current air conditioners are well maintained, though there is not an immediate requirement for replacement however, whenever the College undergoes redevelopment there can be provisions for replacement with energy-efficient appliances or new air conditioners that require less power consumption.

5.8 Equipment

5.8.1 Types of Equipment

There are **319 nos. of equipment** in the Educational sector.

5.8.2 Types of equipment as per their energy contribution

The energy consumption of equipment is **3,42,802 kWh** of energy.

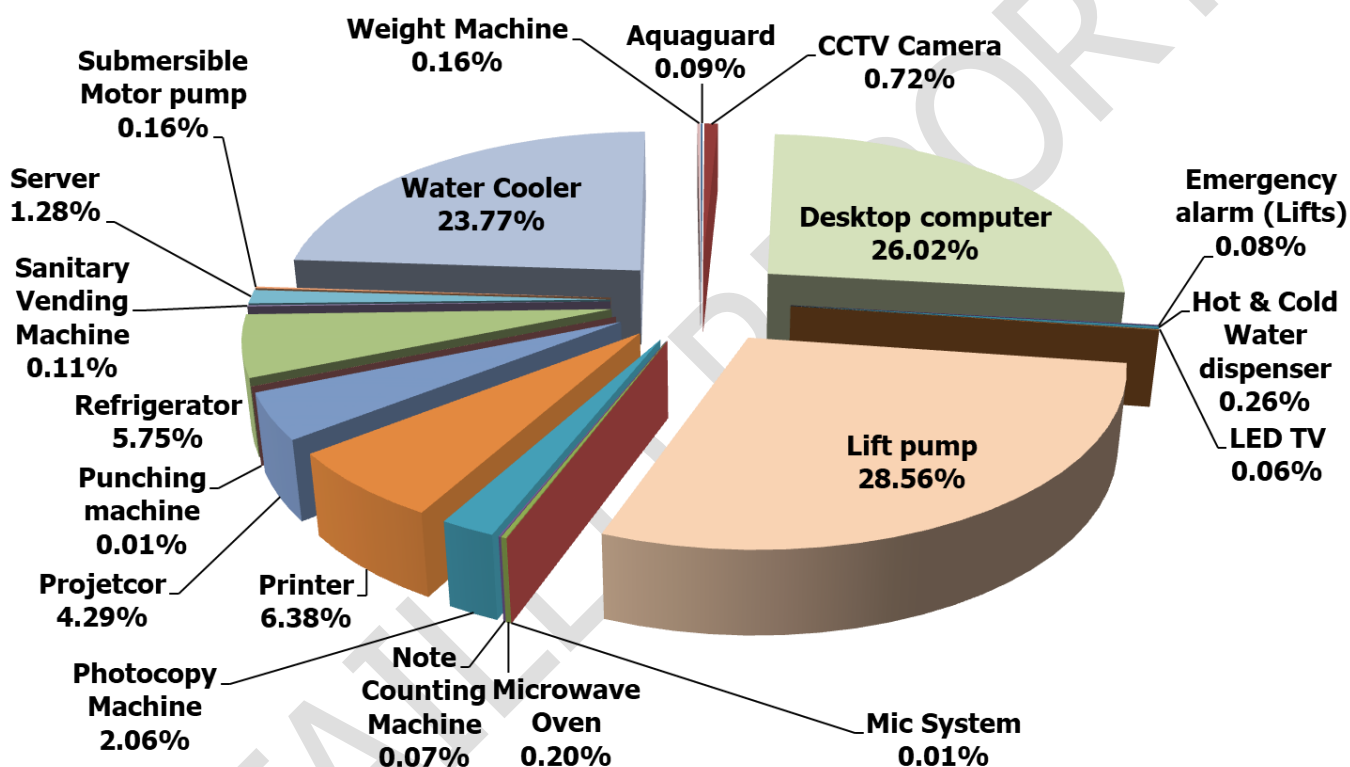


Figure 4: Energy consumed by types of equipment in the educational sector based on the usage study

The above summary shows that the **lift pump consumes more energy at 28.56%** while the **desktop computer consumes 26.02%** the **water cooler consumes 23.77%** and the **printer consumes 6.38%** these are the maximum consumers as compared to other equipment.

6. Suggestion

6.1 Section-wise suggestions

The following suggestions are to be considered as a **first priority** for implementation. These **should be executed within the next 1.5 to 2.5 years from the date of the Report submission.** The Institute can execute a plan after discussion with Project Head.

6.1.1 Electromechanical systems - Electrical and Lighting

Section 1 - Non-LED lights

The current light analysis shows that Non-LED lights consume anywhere between 50W to 54W and even more when in use; these should be replaced with LED lights which consume on an average 12-16W when in use. Our technical analysis shows that there would be a reduction of an average of **67% reduction** in energy consumption through lights specifically as a part of the electro -mechanical system if all **Non-LED lights on all floors** are replaced with an energy efficient appliance whenever the College undergoes renovation.

Section 2 - Ceiling fans

The current Fans are in proper working conditions and maintained well. The ceiling fans are in more quantity and consume at least 45W when in use. These should be replaced with energy efficient fans consuming 14W when in use. Our detailed study states that is all the **ceiling fans on all floors** if replaced with star rated appliance results in a reduction of average of **69% reduction** in energy consumption if replaced with energy efficient appliance. It will be suggested to either replace these now if College can have certain plans else the replacement can be done when fans get damaged or are not in working condition.

6.2 General suggestions

The following details are consolidated study recommendations related to 'entire Institute' and should be considered as **second priority** and should be **implemented within 2.5 to 3.5 years from the date of the Report submission.**

6.2.1 Alternatives to increase renewable energy – Solar parking

The College can turn its existing parking areas into solar panel powered parking areas. This will provide shade and renewable energy benefit to the College.



Plate 1: Solar parking concept for the Institute (For reference purpose only)

Source: Image by <https://solarpowerproject.in/solar-panels-for-parking-lots.php>

6.2.2 Alternatives towards Smart premises – Smart gardening

The College can undertake a Smart Gardening system using IoT Technology. This will result in saving time by scheduling time for watering; saving money through automated water schedules tracking dampness of soil to know when, how much water garden needs.



Plate 2: Solar farm concept for the Institute (For reference purpose only)

Image source: <https://housing.com/news/smart-gardening/>

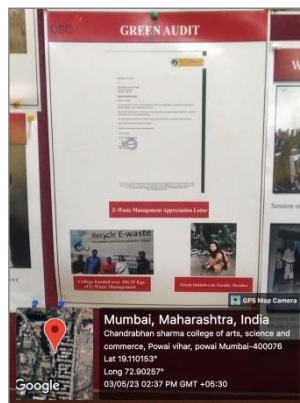
Data source: <https://www.happysprout.com/inspiration/what-is-smart-gardening/>



Discussion with the core team



Investigative parameters – Energy Management – Appliances, awareness posters



Investigative parameters – Water Management – E-waste certificate, Dustbins in the premises



Investigative parameters – Fire & Life safety; General areas in the premises

7. References

The study is based on the data collected, analyzed, rechecked, and confirmed through multiple modes. For the quality study, some standards/ notes have been referred to. These are listed and noted below. However, no direct references have been used anywhere. These are used as a base to analyze and study the data collected.

Specific references for study related to energy

- ➔ <https://www.energy.gov/eere/buildings/zero-energy-buildings>
- ➔ <https://www.dsaarch.com/zero-net-positive-energy>
- ➔ U.S. Energy Information Administration
- ➔ <https://www.happysprout.com/inspiration/what-is-smart-gardening/>
- ➔ <https://housing.com/news/smart-gardening/>
- ➔ Inference study reference image - Zsuzsa Bóka from Pixabay
- ➔ Inference study reference image - <https://solarpowerproject.in/solar-panels-for-parking-lots.php>





Smt. Durgadevi Sharma Charitable Trust's
Chandrabhan Sharma College
of Arts, Science & Commerce
(Affiliated to the University of Mumbai)
NAAC ACCREDITED 'B+' GRADE (FIRST CYCLE)



2020-21



Vision

“To be an academy of excellence, which will provide transformative and empowering educational experiences to create globally competitive youth.”

Mission

1. To provide quality education which aims at preparing students for the challenges of life
2. To bring about an all-round development in the personality of the students
3. To encourage students to participate in intercollegiate events and help them acquire and hone up their skills through peer learning
4. To assist students in getting suitable placements
5. To promote sports and inculcate discipline amongst students to keep them physically and mentally fit
6. To encourage students to go beyond books and to make them globally competent independently

Objective

- The purpose of this audit was to ensure that the Green Policy is followed and implemented in the campus, across all departments, administrative bodies and students.
- To provide opportunities to learners in protecting and improving the natural environment.
- To promote 7 RReduce, Replace, Reuse, Recycle, Recover, Refuse and Reject, Rethink method
- To create awareness on Pollution control measures



Green Audit Committee

Convener: Dr.RajashekaharO.Patil

H.O.D. : Environmental studies

Sant Gadgae Maharaj College

Member:

Elsie Gabriel

Founder Young Environmentalists Programme Trust

Ambassador for India Global Quest International

National Coordinator Oceans Climate Reality Project

To,

Dr. Pratima Singh
Principal
Chandrabhan Sharma College

Subject: Green Audit for the Academic year 2020 - 21

Dear Madam,

We are thankful for giving us an opportunity to give Suggestions and Recommendations on green campus initiative in the academic year 2020 - 21 for green audit of initiatives in Chandrabhan Sharma College campus.

- Create awareness among learners about shifts in climate and depletion of Ozone layer.
- E-waste Bin to be installed in the college premises
- Creating awareness programmes in the vicinity and college campus by running a E waste management drive. Same can be handed over for recycling.
- College can conduct activities beyond the college campus.

Thank you & regards



Converner

Green Audit

Dr. Rajashekhar O. Patil

H.O.D., Environmental studies

Sant Gadge Maharaj College



Smt. Durgadevi Sharma Charitable Trust's
Chandrabhan Sharma College
of Arts, Science & Commerce
(Affiliated to the University of Mumbai)
NAAC ACCREDITED 'B+' GRADE (FIRST CYCLE)

17th January, 2021

To

Dr. Rajashekhar O.Patil

H.O.D., Environmental studies

Sant Gadge Maharaj College

Subject: Letter of Invitation

Dear Sir

Our college intends to conduct a Green Audit for the current academic year 2020-21. We take great pleasure in inviting you to be the Honorable member of this Audit Committee.

We request you to visit our college on 19th January, 2021 and conduct a detailed green audit. We welcome your valuable comments and suggestions on the ways in which our performance can be improved further.

We look forward to your valuable presence and guidance



With Regards



Smt. Durgadevi Sharma Charitable Trust's
Chandrabhan Sharma College
of Arts, Science & Commerce
(Affiliated to the University of Mumbai)
NAAC ACCREDITED 'B+' GRADE (FIRST CYCLE)

19th January, 2021

To

Dr. Rajashekhar O. Patil

Sant Gadge Maharaj College,

Girgaum, Mumbai, Maharashtra 400004

Subject: Letter of Thanks

Dear Sir

We thank you for your visit to our college today, as the Honorable Member of the Audit Committee and conducting the Green Audit to help us understand the areas of improvement required to make our performance even better.

We have made a note of the valuable suggestions put forth by the Audit Team and will make sincere efforts to implement them in the near future

We look forward to more such interactions with you

With Regards



12th January, 2021

To
Mrs.Prashant Sharma,
Managing Trustee

Subject: Compliance Report of Green Audit for the Academic year 2020-21

We are very thankful to Dr.Rajashekhar O. Patil and team for conducting a green audit in our academic year 2020-21. On the basis of recommendation given by the committee members of the Green Audit 2020-21. The following measures were undertaken by the college:

- The college continued the practice of giving plants to every guest coming to the college instead of giving bouquets.
- Resources conservation boards were placed on the college campus.
- E- waste management bins are kept in college campus



Principal
Dr. Mrs. Pratima Singh

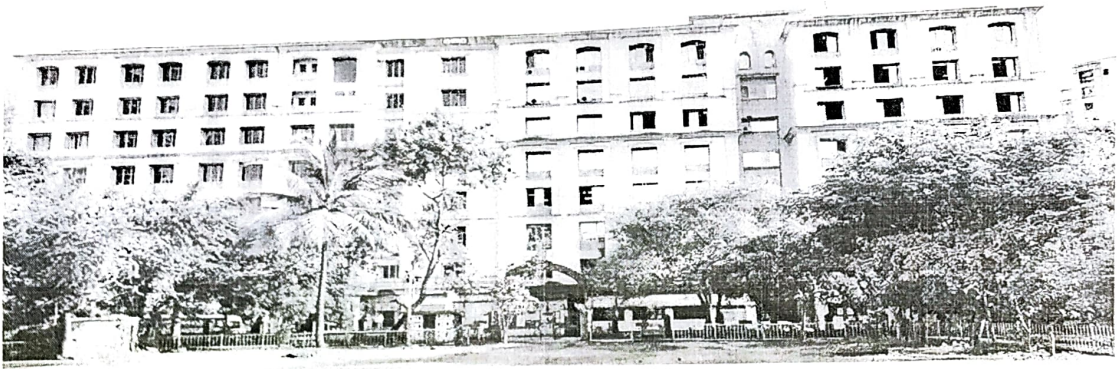
Energy Audit Report

April 2019- March 2020

of

Smt. Durgadevi Sharma Charitable Trust's
CSC Chandrabhan Sharma College
of Arts, Science & Commerce
(Affiliated to the University of Mumbai)
NAAC ACCREDITED 'B+' GRADE (FIRST CYCLE)

Powai, Mumbai - 400076



Report Prepared by



KNOWLEDGE INCLUSION
EDUCATION AND CONSULTING COMPANY

Connect: 9820678215 # Email: KnowledgeInclusion@gmail.com

Kurla, Mumbai - 400070



I/C PRINCIPAL

Chandrabhan Sharma College
Arts, Commerce & Science
Powai-Vihar, Powai, Mumbai - 400 076
Tel. 25704526/65234526

Preface

The team conceded Chandrabhan Sharma College of Arts, Science and Commerce data collection for an energy audit from April 2019 to March 2020. The audit was over sighted to inquire about convenience to progress the energy competence of the College. Health and safety were primely anxious to drop energy utilization whilst cultivating or humanizing comfort. This audit is required to recognize the mainly energy proficient appliances. Besides, several each-day processes concerning common appliances have been provided, facilitating the energy expenditure. Knowledge Inclusion Education and Consulting Company completed the energy audit survey. All data was collected from the classroom, laboratory, and other college properties. The work is completed by considering how many tubes, fans, A.C, electronic instruments, etc. in each room are installed and their uses



Acknowledgement

Knowledge Inclusion Education and Consulting Company convey their gratitude and thanks to the Management of Chandrabhan Sharma College of Arts, Science and Commerce, Mumbai, for allowing us to conduct an Energy Audit which was conducted for the period June 2019 up to May 2020

Our sincere thanks to the Management of the College, Principal Dr. Pratima Singh, Faculty Mrs. Anjana Verma and other staff members for their keen interest and support in conducting the Energy Audit



Introduction

About the College

Chandrabhan Sharma College of Arts Science and Commerce, established in 2008, is part of the GHP education Wing and is managed by Smt. Durgadevi Sharma Charitable Trust.

The Managing Trustee, Shri Prashant Sharma, founded the College in memory of his late Grandfather, Pandit Chandrabhan Sharma. The College is nestled in a picturesque campus on the hillside of Powai.

Chandrabhan Sharma College grooms the new youth generation to excel morally and academically. Emphasize value-based learning and focus on understanding and not mere accumulation of knowledge.

Programs Offered by the College

The College offers seven undergraduate programs such as Bachelor of Commerce, Bachelor of Management Studies, Bachelor of Information Technology, Bachelor of Commerce in Financial Market, Bachelor of Commerce in Accounting and Finance, Bachelor of Commerce in Banking and Insurance as well as Bachelor of Mass Media

The vision of the College

“To be an academy of excellence, which will provide transformative and empowering educational experiences to generate globally competitive youth.”



The Mission of the College

To provide quality education, bring all-around development, encourage students to participate in the inter-collegiate event, and cope up their skills through peer learning. Promote sports, inculcate discipline and help them be physically and mentally fit. Assist students for placement and make them globally competent.

The Philosophy of the College

“Imagination is the beginning of creation. First, imagine what you desire, how you will create what you desire, and finally, create what you desire.”



A nation is trying to advance in quantity and quality to spread education among common India and develop their intelligence. In India, the entire field of education and other intelligent activities had been monopolized by a handful of men before independence. But today, we are marching towards the desirable status of a developed nation with fast strides. But the development should be a sustained one. For achieving such an interminable development, energy management is essential. Regarding the electricity crisis, we are facing a lack of electricity during office work. So, institutional Management is taking design regarding electricity production and saving electricity for eco-social aspects.

The energy requirement of India is growing, and incomplete domestic fossil fuel treasury. The country has a motivated strategy to enlarge its renewable energy resources and a policy to establish nuclear power plants. India increases the involvement of nuclear power to largely electrical energy development facilities from 4.2% to 9%. India's industrial demand accounted for 35% of electrical power requirement, domestic household use accounted for 28%, agriculture 21%, commercial 9%, and public lighting and other miscellaneous applications accounted for the rest. Energy conservation means a reduction in energy consumption without making any sacrifice of quantity or quality. A successful energy management program begins with energy conservation; it will lead to the adequate rating of the equipment, using high-efficiency equipment, and change of habits that causes enormous wastages of energy. By observing all these studies lack electricity and huge electricity demands. It is necessary to plan to be self-sufficient in electricity requirements.

Experimental and Data Collection

The team collects all required data. How many fans, tubes, fans, computers, instruments, Air-condition etc., are measured in the building. According to the survey following data is collected.

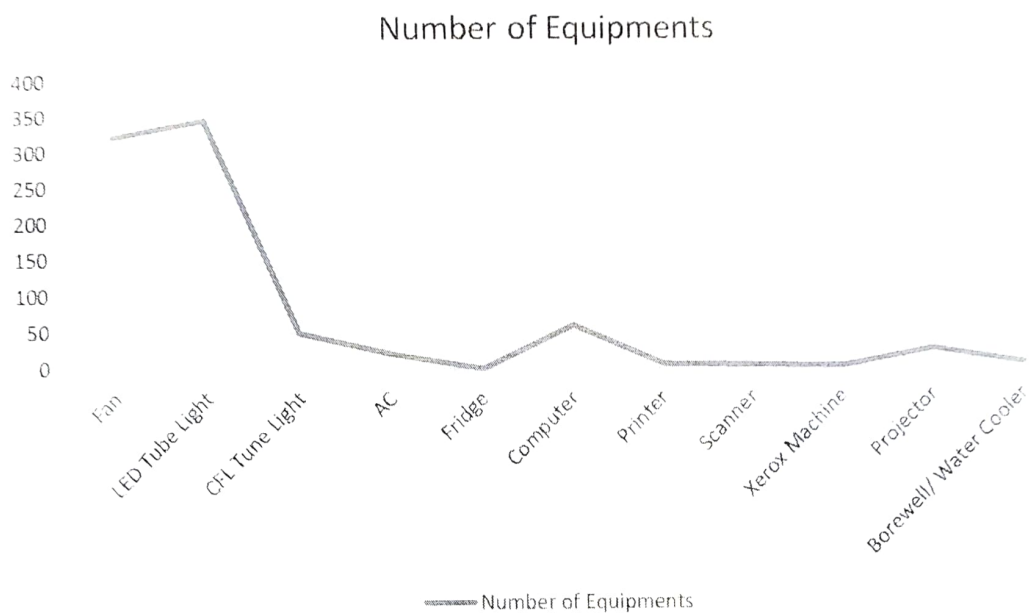


Number of Appliances working on Electricity in Numbers

Department/ Instrument	Fan	LED Tubelight	CFL Tube light	A.C.	Fridge	Comp- uter	Print er	Scanner	Xerox Machine	Projector	Borewell Motor
Principal Office	3	5	1	1	1	1	1	1	--	--	--
Office	5	6	--	1	--	6	2	1	1	--	--
Computer Lab.	4	7	--	2	--	30	--	--	--	1	
Examination Department.	6	9	--	1	--	3	1	--	--	--	--
Staff Room	5	6	--	1	--	5	--	--	--	--	--
Library	14	23	--	2	--	9	1	1	--	--	--
Classroom	204	190	22	9	--	3	--	--	--	22	--
Boy's Room	8	10	3		--	--	--	--	--	--	--
Girl's Room	2	3			--	--	--	--	--	--	--
NSS Room	2	--	2		--	--	--	--	--	--	--
Storeroom	3	--	3		--	--	--	--	--	--	--
YCMOU/NAAC	3	4	--	1	--	1	1	1	--	--	--
Sport	22	24	--		--	1			--	--	--
Placement	2	2	--	1	--	--	--	--	--	--	--
Pantry	4	6	--		--	--	--	--	--	--	--
Seminar Hall	6	9	--	2	--	1	--	--	--	1	
Passage	26	38	18		--	--	--	--	--	--	3
Washroom	3	3	--		--	--	--	--	--	--	WATERCOOLER
Total Quantity	322	345	49	21	1	60	6	4	1	24	3



Number of Appliances working on Electricity in Graphical Presentation



Power Consumption of Electricity Board

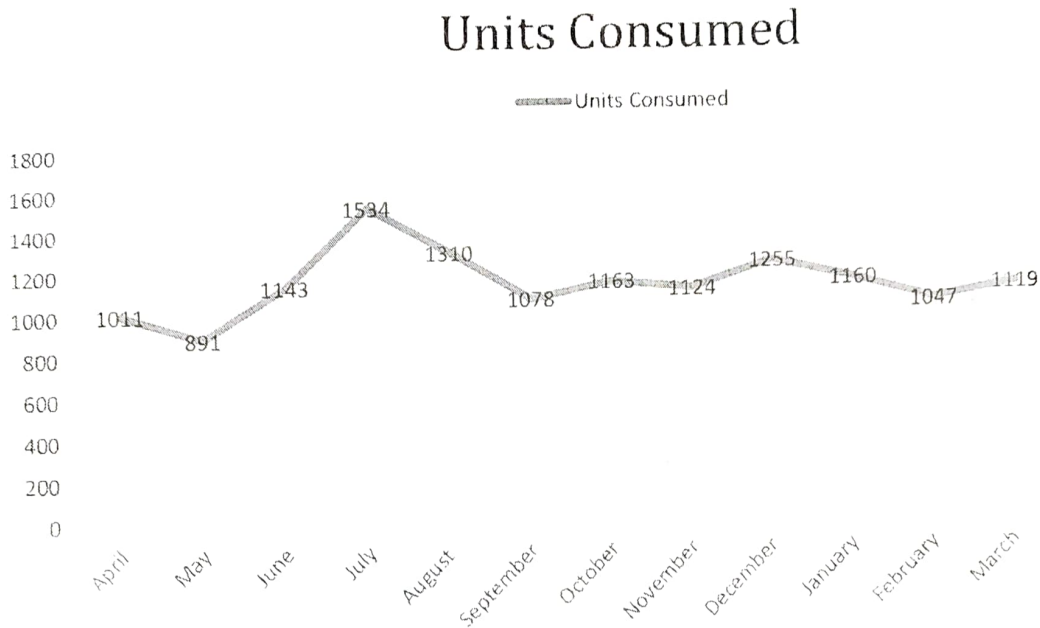
The College receives electricity supply from Adani Electricity, Mumbai. The tariff is generated on LT IX (B). The type of supply is LT bearing account number 150126056. The bill is generated under the name Smt. Durgadevi Sharma Charitable Trust, Mumbai – 400076. In the entire audit period, the load factor was assumed to be 0.0000% and the average power factor was 87.50 % lag

Table showing the consumption of power for the period April 2019 – May 2020

Month	Consumption
April	1011
May	891
June	1143
July	1543
August	1310
September	1078
October	1163
November	1124
December	1255
January	1160
February	1047
March	1119
Total	13,844



Graphical representation of electricity consumption between April 2019 to March 2020



Distribution of Network

There is a main electrical panel installed in the electric room. All the distribution cables go from the main panel to buildings and other open areas. Subpanels are installed in the buildings. There is a taping on each floor from the rising mains. During the study, it was observed that the conductor size is good according to ampere load. No conductor was found overheated or its insulation burnt. An adequate size conductor is going to feed the utility area. So, distribution losses are within the limit. Almost every piece of equipment used is of a good brand which not only helps to save energy but is also safe during any uneven incident



Use of Electricity during Peak Hours and off-Peak Hours

The applicable electricity tariff is not also based on the timing of the day, but it may not be applicable in the case of a domestic LT/ HT type connection. This will also help maintain the demand graph. It is recommended to avoid using electrical gadgets for cleaning, watering, etc., during peak hours. This type of work should be operational during the off-peak hour.

Advantages of Net Metering

1. Financial benefit for the system owner

Since the system owner is charged for the net energy consumed from the utility grid, the owner gets financial benefits. E.g., If energy generation < energy consumed: the owner pays just for the net amount. If energy generation > energy consumed: the owner gets credit for excess generation

2. Avoid the use of batteries

In a grid-connected solar PV system, any excess energy generated can be fed back to the local utility grid and can be taken back at a later stage when required. Thus, there is no need to store the surplus energy in batteries for later use, thus, avoiding the heavy costs of batteries. Also, since batteries are eliminated, the system's maintenance costs are reduced greatly. Batteries may be required only when there are frequent power fluctuations/outages.

3. Produce more today; use that tomorrow

If there is a surplus of power generation than the consumption, the surplus can be fed into the grid system, and if consumption increases, it can be taken from the grid.



Recommendation

Electricity

- Schedule your operations to maintain a high load factor
- Minimize maximum demand by tripping loads through a demand controller
- Use standby electric generation equipment for on-peak high load periods.
- Correct power factor to at least 0.99 underrated load conditions.
- Set transformer taps to optimum settings.
- Shut off unnecessary computers, printers, and copiers at night.

Motors

- Properly size to the load for optimum efficiency.
- (High-efficiency motors offer 4 - 5% higher efficiency than standard motors)
- Check alignment.
- Provide proper ventilation
- (For every 10°C increase in motor operating temperature over the recommended peak, the motor life is estimated to be halved)
- Check for under-voltage and over-voltage conditions.
- Balance the three-phase power supply.
- (An Imbalanced voltage can reduce 3 - 5% in motor input power)
- Demand efficiency restoration after motor rewinding.

Fans



- Use smooth, well-rounded air inlet cones for fan air intakes.
- Avoid poor flow distribution at the fan inlet.
- Minimize fan inlet and outlet obstructions.
- Clean screens, filters, and fan blades regularly.
- Use aerofoiled-shaped fan blades.
- Minimize fan speed.
- Turn off fans when not in use
- Use low-slip or flat belts.

Chillers

- Increase the chilled water temperature setpoint if possible.
- Use the lowest temperature condenser water available that the chiller can handle
- (Reducing the condensing temperature by 5.5°C, results in a 20 - 25% decrease in compressor power consumption)
- Increase the evaporator temperature

Lighting

- Reduce excessive illumination levels to standard levels using switching, de-lamping, etc.
- Aggressively control lighting with clock timers, delay timers, photocells, and occupancy sensors.
- Install efficient alternatives to incandescent lighting, mercury vapour lighting, etc. The efficiency (lumens/watt) of various technologies ranges from best to worst approximately as follows: low-pressure sodium, high-pressure sodium, metal halide, fluorescent, mercury vapour, and incandescent.



- Select ballasts and lamps carefully with high power factors and long-term efficiency in mind.
- Upgrade obsolete fluorescent systems to Compact fluorescents and electronic ballasts
- Consider lowering the fixtures to enable using less of them.
- Consider daylighting, skylights, etc.

Miscellaneous

- Meter any unmetered utilities to know what normal efficient use is. Track down causes of deviations.
- Shut down spare, idling, or unneeded equipment.
- Make sure that all of the utilities to redundant areas are turned off -- including utilities like compressed air and cooling water.
- Install automatic control to efficiently coordinate multiple air compressors, chillers, cooling tower cells, boilers, etc.
- Renegotiate utility contracts to reflect current loads and variations.
- Consider buying utilities from neighbours, particularly to handle peaks.
- Leased space often has low-bid inefficient equipment. Consider upgrades if your lease will continue for several more years.
- Adjust fluid temperatures within acceptable limits to minimize undesirable heat transfer in long pipelines.
- Minimize the use of flow bypasses and minimize bypass flow rates.
- Provide restriction orifices in purges (nitrogen, steam, etc.).

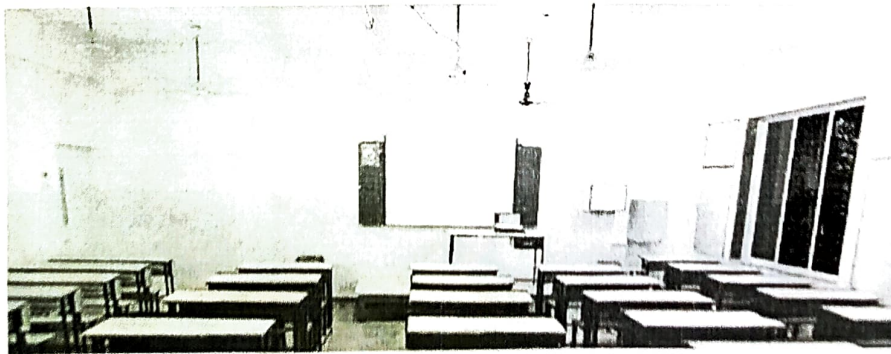
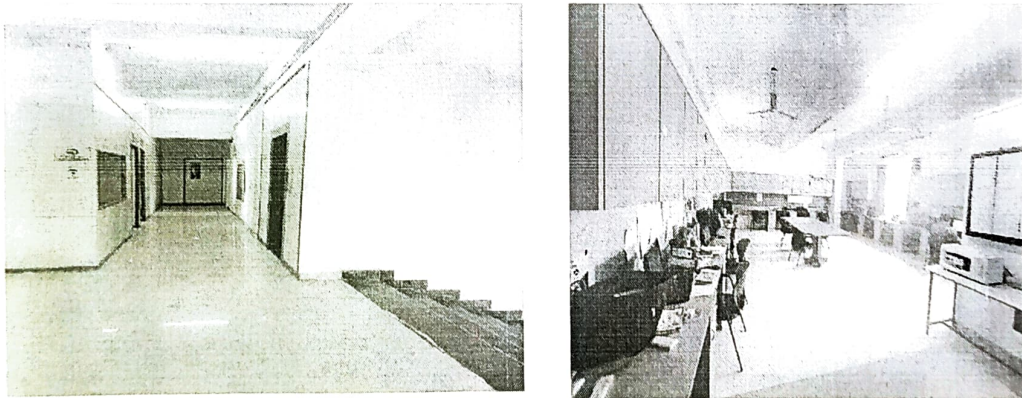
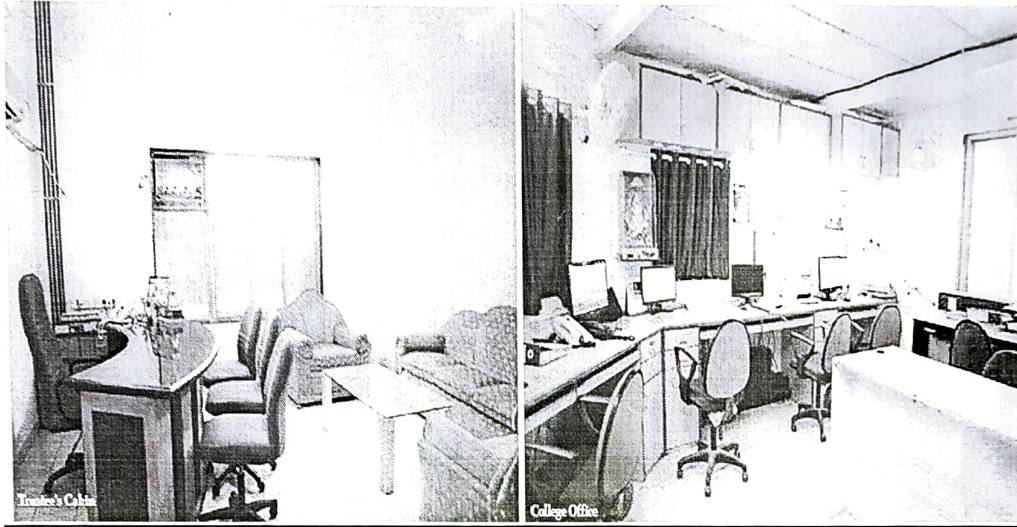


- Eliminate unnecessary flow measurement orifices.

Conclusion:

In conclusion, data generated in energy audits are useful for understanding the energy distribution and utilization of College. The College needs a maximum of 14,264 (annually) KW of electricity. and a hybrid energy generation device generates only 480 units/moths

Glimpses of Photos



Handwritten signature

I/C PRINCIPAL

Chandrabhan Sharma College

Arts, Commerce & Science

Powai-Vihar, Powai, Mumbai - 400 076

Tel. 25704528/65234526



Certificate from Auditing Agency

- a. Green Audit Certificate
- b. Energy Audit Certificate
- c. Environment Audit Certificate



VC PRINCIPAL
Chandrabhan Sharma College
of Arts, Commerce & Science
Powai-Vihar, Powai, Mumbai - 400 076.
Tel. 022-45266020



Smt. Durgadevi Sharma Charitable Trust's
Chandrabhan Sharma College
of Arts, Commerce & Science
(Hindi Linguistic Minority Institution)
(Affiliated to the University of Mumbai)
Accredited by NAAC 'B+'

Energy Audit Certificate (As per Green Building Parameters)

The study is conducted as per Indian and International Green Building Standards initiated in the capacity of an Accredited & Certified Green Building Professional

It is awarded for **2021-2022 and 2022-2023** to the Esteemed Institution

(Analysed for 2 years and extended validity for 1 year, thus total 3 years)

Smt. Durgadevi Sharma Charitable Trust's

Chandrabhan Sharma College of Arts, Commerce & Science

Adi Shankaracharya Marg, Powai Vihar Complex, Powai, Mumbai – 400076, Maharashtra, India

(Site visit held on Wednesday, 3 May 2023)

As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Energy Management and Conservation.

Issued on **Saturday, 13 May 2023** and valid till **30 April 2024**


Ar. Nahida Abdulla Shaikh

"Elite 100 Green Architects of India" Eonaur, 2022

Registered Architect, P.G.D.R.D, ISO Certified I. A. (IMS)

Indian Green Building Council Accredited Professional (IGBC AP)

ASSOCHAM GEM Green Building Council Certified Professional (Registration. No. 22/718)

Project Head and Green Building Professional-Consultant

Sustainable Academe I Sustainability Department of Greenvio Solutions, Naigad

An environment Design and Consultancy developing Healthy and Sustainable Environments

Email: sustainableacademe@gmail.com | greenviosolutions@gmail.com



Website: <https://thegreenviosolutions.co.in/>

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Website: <https://thegreenviosolutions.co.in/>

Green Audit Certificate (As per Green Building Parameters)

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Chandrabhan Sharma College of Arts, Commerce & Science

Adi Shankaracharya Marg, Powai Vihar Complex, Powai, Mumbai – 400076, Maharashtra, India

(Site visit held on Wednesday, 3 May 2023)

As part of the Institution's initiatives for a Healthy & Sustainable Institute the audit was conducted.
We appreciate the immense efforts taken by Staff and students towards the Efficient Management of Premise.

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Certificate of the Awards Received From Recognized Agency



I/C PRINCIPAL
Chandrabhan Sharma College
of Arts, Science & Commerce
Powai-Vihar, Powai, Mumbai - 400 076
Tel. 25704526 / 25704530

Adi Shankaracharya Marg, Powai-Vihar, Powai, Mumbai - 400 076.
Tel.: 022 - 45266020, Email:- info@cscollege.co.in • Website :- www.cscollege.co.in

YOUNG ENVIRONMENTALISTS PROGRAMME TRUST

(Equipping Environmental Leaders of Tomorrow Today)

Reg. no. 39353



Certificate of Excellence

Honours Chandrabhan Sharma College of Arts,

..... Science & Commerce Powai, Mumbai - 400076

..... Affiliated to University of Mumbai

Awarded for Clean and Green Campus

Date: 5th June, 2020


HON. SECRETARY


PRESIDENT

Young Environmentalists Programme Trust, 804 Glenheights, Hiranandani Gardens,
Powai, Mumbai-400 076 Contact : 9967347511 www.youngenvironmentalists.com



ECO FRIEND INDUSTRIES

A 205, TTC MIDC Industrial Area, Pawane, Thane Belapur Road,
Navi Mumbai - 400 710, MAHARASHTRA, INDIA

MPCB / CPCB Authorized E-Waste Disposal Facility

MPCB Consent No.: Format1.0/RO-HQ/UAN No. 0000133404/CR/2206001027 Date : 20/06/2022

Green Certificate

for E-Waste Disposal

Certificate Sr. No.: 27 / 2023

This is to certify that

M/s. Chandrabhan Sharmad college

Address: ARTS, Commerce & Science,

Road name: Powai Vihar, Powai

City: Mumbai State: Maharashtra

Pin Code: 400076 Country: INDIA has disposed 150 Kg (in figures)

One fifty Kg (in Words)

of Electronic/Electrical Waste with Eco Friend Industries on dt. 28/03/2023



Authorized Signatory

For and on behalf of
ECO FRIEND INDUSTRIES

**BEYOND THE
CAMPUS
2017-18
TO
2021-22**



VC PRINCIPAL
Chandrabhan Sharma College
of Arts, Commerce & Science
Powai-Vihar, Powai, Mumbai - 400 076.
Tel. 022-45266020

SR. NO	YEAR	ACTIVITY NAME
1	2021-2022	Miracle Enzyme
2	2021-2022	Project Powai lake
3	2021-2022	Swachh Bharat Abhiyan
4	2021-2022	Cleanliness Drive – Ankhar Village (Titwala)
5	2020-2021	Webinar on Tree Plantation Day
6	2019-2020	Beach Cleanliness Drive – Mahim Beach
7	2019-2020	Cleanliness Awareness Drive Kanjurmarg Railway station
8	2019-2020	Cleanliness Drive “University of Mumbai”
9	2019-2020	Tree Plantation
10	2017-2018	Rally for Rivers
11	2017-2018	Kanjurmarg Railway station Cleanliness Drive
12	2017-2018	Tree Plantation


V/C PRINCIPAL
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ACADEMIC YEAR

2021 – 2022



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YEAR

2021-22

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2	27 th November 2021	Project Powai lake	9-13
3	12 th February 2022	MIRACLE ENZYME	14-20
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Date – 03/09/2021

Notice

This is to inform all the students that Nature Club in association with Young Environmental Programme Trust is initiating **“Project - Powai Lake”**

Under this project, many events will be conducted to guide students in various areas of interest associated with Powai Lake.

The second event in this activity is **“Swachh Bharat Abhiyan at Powai Lake Garden”** on Gandhi Jayanti. Activity includes a nature trail, lecture on Powai Lake environmental issues by Environmentalist Elsie Gabriel and Cleanliness Drive

We cordially invite all the students to participate in the Research Project

Date – 07th September 2021

Time – 10 am onwards

Venue – Powai Garden



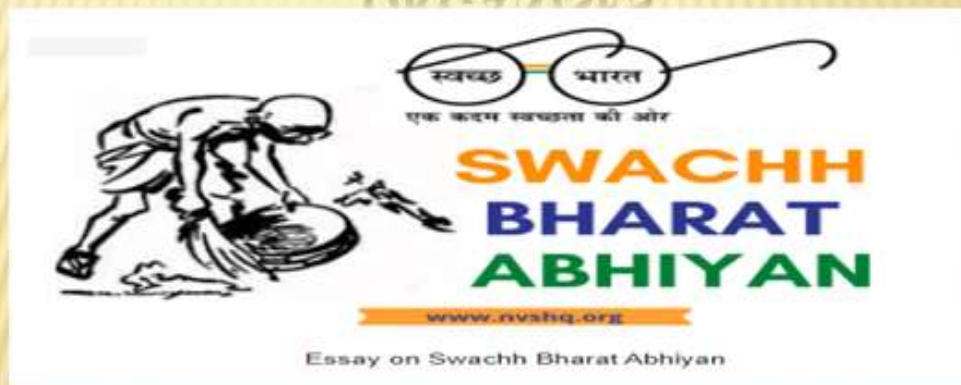
Ms Dipti Parab

Convener, Nature Club



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**NATURE CLUB
IN ASSOCIATION WITH
YOUNG ENVIRONMENTALIST
PROGRAMME
TRUST
ORGANISES**



Essay on Swachh Bharat Abhiyan

Date:- 7th September 2021

Time :- 11 am onwards

Venue:- Powai Lake Garden


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Date: - 08/09/2021

Report: "Swachh Bharat Abhiyan at Powai Lake"

Nature Club in association with Young Environmental Programme Trust organized the "**Swachh Bharat Abhiyan at Powai Lake**" under the program **Powai Lake Project** on 7th September 2021, Friday from 11 am to 12 noon at Powai Lake Garden.

The event started with a walk at Powai Lake Garden to get a better understanding of the lake and its surrounding areas. Later Environmentalist Elsie Gabriel gave a brief introduction about the history of the lake, areas surrounding the lake, pollution-causing factors and how pollution is affecting the flora and fauna present inside the lake.

The session concluded with students cleaning the garden as a part of swachh Bharat Abhiyan so that the garbage does not reach the lake polluting it further. The collected garbage was disposed of properly.

52 Students joined the drive. The activity ended on a good note with an informative and hardworking session.

Outcome

1. Students understood the importance of water bodies in our life
2. They understood harmful effect of garbage on the water bodies
3. They understood the importance of Swachh Bharat abhiyan


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Photos

Date: - 07th September 2021

Event: - Swachh Bharat Abhiyan at Powai Lake



0076:




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ATTENDANCE

First name	Last name
Kajal	Pal
Raj	Sawant
Shivang	Singh
Himanshu	Mishra
Vaishnavi	Nair
Aman	Singh
Satyam	Singh
Himanshu	Mishra
Susmita	Bhogate
Afridi	Sayyed
Trisha	Pandey
Prathamesh	Ghawali
Karan	Singh
Sarvesh	Sharma
Chaitali	Tambe
Fariyad	Khan
Khushboo	Mahato
Omprakash dubey	Dubey
Mohd	Saif
Khushboo	Mahato
Nitesh	Bhardwaj
satyam	pandey
Shivam	Gupta
Abhishek	Jaiswar
Naveen	Kumar
Sushmita	Bhogate
Deepika	Gouda
SWARAJ	BHOSALE
Ganesh	Rathod
Pratham	Bhaskar
Aaron	Sequeira
Johnathan	Memdonsa
Sharma	Deepanshu
Hrithik	Yadav
Ajay	Kamble ajay rajesh
Khushi	Shukla
Sujal	Sharma
Aman	Yadav
Prem	Gupta
Aman	Yadav



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Vishal	Kanojiya
Tamanna Sharma	Sharma
Abdul Rehman	Khan
AMAN	SINGH
Aditya	Yadav
Anuradha	Yadav
Sanika	Gaikwad
ARJUN	RATHOD
Sneha	Singh
Aditya	Koli
MOHD WASIM	WASIM KHAN
Tejal	Karande



Ms Dipti Parab

Convener, Nature Club


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Date – 23/11/2021

Notice

This is to inform all the students that Nature Club in association with Young Environmental Programme Trust is initiating “**Project - Powai Lake**”

Under this project, many events will be conducted to guide students in various areas of interest associated with Powai Lake. Third event in this activity is a visit to the “**Marine and Coastal Biodiversity Centre**”. Activity includes nature trail, bird watching, lecture to understand biodiversity and environmental issues faced at Thane Creek by Environmentalist Elsie Gabriel

We cordially invite all the students to participate in the Research Project

Date – 27th November, 2021 Saturday

Time – 9 am onwards

Venue – Marine and Coastal Biodiversity Centre, Airoli

Entry Fee – Rs 25/-


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Nature Club
in Association with
Young Environmentalist Programme
Trust



organises
**Visit to
Marine &
Coastal
Biodiversity
Centre**

Date : Saturday, 27 November, 2021

Time : 9 am onwards

Venue : Marine & Coastal Biodiversity Centre Airoli

Entre Fee - Rs 25/-

Thanks & Regards

Dr. Pratima Singh
Principal

Ms. Dipti Parab
Nature Club
Convener


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Date: - 28/11/2021

Report: “Visit to Marine and Coastal Biodiversity Centre

Nature Club in association with the Young Environmental Programme organized “**Visit to Marine and Coastal Biodiversity Centre**” under **Powai Lake Research** project on 27th November 2021, Saturday from 9 am to 12 noon.

The event started with a walk at Thane Creek to watch different species of migrating birds like flamingos, peahens, and different species of mangroves. Later a brief introduction was given about the history of Thane Creek, areas surrounding the creek, flora and fauna present, migrating birds, how mangroves are important for the ecosystem, pollution-causing factors and how pollution is affecting the Thane Creek.

The session concluded with a small movie about the creek giving information about migrating birds, ecosystem, ecology, mangroves, and people whose livelihood is dependent on this creek. 18 participants joined the visit making it a success. The activity ended on a good note with an informative and interactive session.

Outcome

1. Students understood the importance of water bodies in our life
2. They understood importance of mangroves
3. Visit helped students get closer to the nature



Ms Dipti Parab
Convener
Nature Club



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Navi Mumbai, Maharashtra, India
4XXM+XHM, Airoli, Navi Mumbai, Maharashtra
Lat 19.150078°
Long 72.984994°
27/11/21 11:00 AM



Navi Mumbai, Maharashtra, India
Unnamed Road, Airoli, Navi Mumbai, Maharashtra
India
Lat 19.147328°
Long 72.982008°
27/11/21 10:33 AM



Navi Mumbai, Maharashtra, India
4XXM+9CV, Airoli, Navi Mumbai, Maharashtra 4007
Lat 19.148519°
Long 72.983456°
27/11/21 10:02 AM



Navi Mumbai, Maharashtra, India
4XXM+9CV, Airoli, Navi Mumbai, Maharashtra
Lat 19.14856°
Long 72.983446°
27/11/21 10:05 AM

Ms Dipti Parab
Convener, Nature Club


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ATTENDANCE

FIRST NAME	LAST NAME
Naveen	Picholla
ShrutiSinghh	Singh
Ali	Khan
Abdul Waheed	idrisi
Shruti	Bhaud
Abhishek	Chauhan
Omkar	Kand
Pratik	Mishra
Aman	Vishwakarma
Mayur	Vaidyq
Harikesh Yadav	Harikesh Yadav
Muskan	Shaikh
Pallavi	Bhadarge
Pallavi	Bhadarge
Nitesh	Bhardwaj
Anitha	Picholla
Vighnesh	Yadav
Sahil	Prasad



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Date – 10/02/2022

NOTICE

"When you care for the environment, good things happen"

This is to inform all the students that Nature Club is organizing a webinar on "Miracle Enzyme." "Is your Home making you sick" According to the Environmental Protection Agency the levels of indoor air pollution are 2 to 5 times higher than outdoor levels. The major contributors for this air pollution are home cleaners.

MIRACLE ENZYME is one stop solution for all your home cleaning needs and it is very easy to create and use.

This organic chemical free enzyme not only cleans your house efficiently but also purifies the water bodies when it goes down the drain. It helps in waste management, reduces global warming, helps in soil recovery, and purifies air and water. That is why it is called Miracle Enzyme.

We cordially invite all the students and staff to be a part of this webinar and learn how to create this miracle enzyme and its usage"

Date – 12 February 2022, Saturday

Time – 12 pm to 1 PM

Platform - Zoom



Ms Dipti ParabConvener,

Nature Club



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Nature Club of Chandrabhan
Sharma College is
organising 1 day webinar
on "Miracle
Enzyme".



We cordially invite all the students and staff
to be a part of this webinar and learn how to
create this miracle enzyme and its usage"

DATE & TIME

12 FEBRUARY 2022, SATURDAY 12 PM TO 1 PM

"When you care for the environment , good things happen"

Thanks & Regards,
Dr. Pratima Singh.
Principal

For any queries, please contact:

Looking forward to your positive response.

Call for more information

+91 9920 342582 


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Report: Webinar on "Miracle Enzyme"

Nature Club organized a webinar on "Miracle Enzyme" by Vasudha Bijnani on 12th February 2022, Saturday from 12 noon to 1 pm.

MIRACLE ENZYME is one stop solution for all your home cleaning needs and it is very easy to create and use.

This organic chemical free enzyme not only cleans your house efficiently but also purifies the water bodies when it goes down the drain. It helps in waste management, reduces global warming, helps in soil recovery, and purifies air and water. That is why it is called Miracle Enzyme.

91 students and 9 faculties joined the webinar.

Outcome

1. Participants learned the importance of miracle enzyme
2. They learned how to prepare miracle enzyme
3. Webinar helped participants to understand the uses of miracle enzyme



Ms Dipti Parab

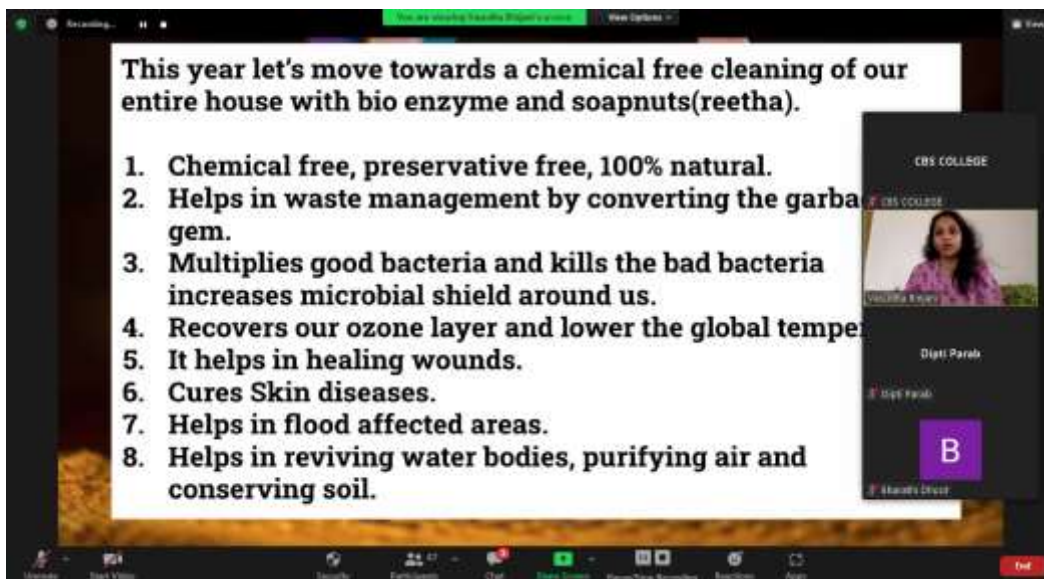
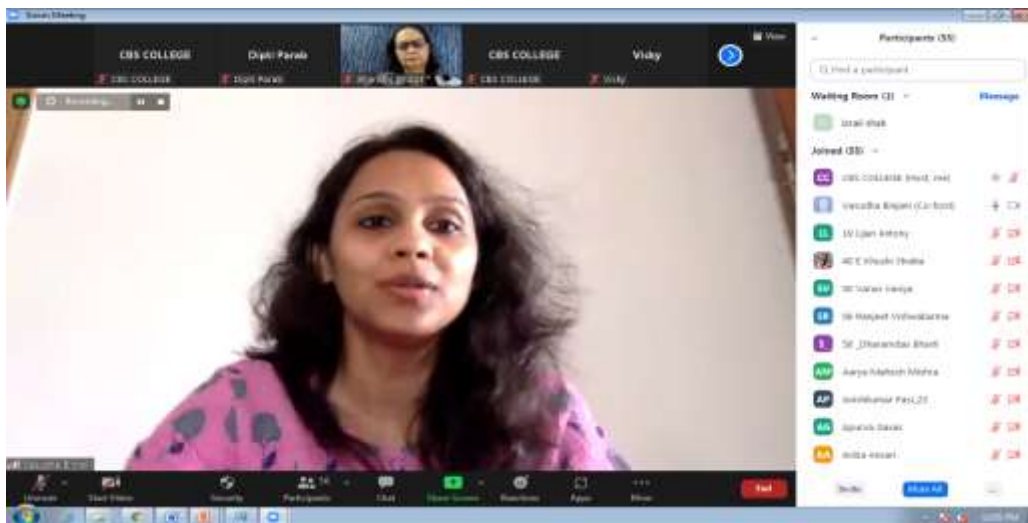
Convener, Nature Club



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Date: - 12th February 2022

Event: - Webinar on "Miracle Enzyme"




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ATTENDANCE

Sr. No.	Name
1	Ruchika Yadav
2	Tushar Mishra
3	Nisha Vichare
4	Sumit R. Mishra
5	Sushila vishwakarma
6	Roshni Rajesh Sarvankar
7	Shivam Gupta
8	Mahesh Kamble
9	Thakur Pooja Prakash
10	Ganesh Rathod
11	Manjit singh
12	Yash jaywant sakhare
13	Anjali Singh
14	Netal Riswal
15	Bari Shivam Kumar
16	Satyam
17	Kajal Pal
18	Kiran Jaiswal
19	Karishma saheblal saroj
20	AADITYA
21	Saiffee zoya shamshad
22	Vaishnavi kanade
23	Harika gumpula
24	Aaron Sequeira
25	Karan Rakesh Singh
26	Apurva Gavas
27	Chaitali Vijay Tambe
28	Yash Chaudhary
29	Khushboo mahato
30	Riya Mali
31	Vikas ramlalit yadav


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32	Payal
33	Faryad khan
34	Smritigandha Milind Bidkar
35	Deepika Gouda
36	Soniya Kamble
37	Sushant Sujit shirodkar
38	Khan musarrat mubarak ali
39	Sunny sahani
40	Varun Naran Vaviya
41	Bhavesh B. Vaity
42	Neha maurya
43	Vanshita
44	Shaikh Rizwan
45	Khambe Sayali Sunil
46	Aditya Yadav
47	Harshit singh
48	Janvi Ailani
49	Samiksha Annappa Raykar
50	Sakshi More
51	Anjali Verma
52	Rohan Gavandi
53	Priyanka vijay jaiswal
54	Tejas Krishna Desai
55	Riya singh
56	Neha khadas
57	Abhishek Chauhan
58	Ansari Sarfaraz Ahmed
59	Aditya Pramod koli
60	Mrs.Kamalam
61	LAVANYA ANIL KATKAR
62	Aishwarya Uday Kapadi
63	Jahir Mandal
64	Karan yadav
65	Shah ismail
66	Saurabh Mishra
67	Arunkumar Vishwakarma
68	Sarvesh Sharma



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69	SRUTHI RAJAN
70	Gresee IbdI
71	Shubham kanojiya
72	Vishal Gupta
73	Krishna Gupta
74	Ankit Rajkumar Sharma
75	Manisha Chandat
76	SAISH PANSARE
77	Shreyash Deshmukh
78	SHAILESH YADAV
79	Pandey sachin kumar
80	hdalvi02@gmail.com
81	Lino John
82	Aarya Mahesh Mishra
83	Shivam Tiwari
84	Pratik Mishra
85	Aditya Pramod Pandey
86	Namrata Dube
87	Manish Chauhan
88	Prathamesh yadav
89	Nikhil shivaji chandanshiv
90	Mansi Sanjay Patil
91	Vishakha Raju Vaity
92	Pranay Patil
93	Prerna Ashok Patil
94	JAYESH CHHAGAN KOKANI
95	Omkar Parab
96	Aman Singh
97	Pranoti Ghanshyam Jangam
98	Suman nishad
99	Aakash jaiswar
100	KAMAT DEEPALI GANGADHAR



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Date: - 19th February 2022

NOTICE

CLEANLINESS DRIVE - ANKHAR VILLAGE (TITWALA)

All students are hereby informed that NSS unit of Chandrabhan Sharma College is organizing Cleanliness and Awareness Drive on 23rd February 2022 from 9.30 A.M TO 11.30 A.M at Ankhar Village.

Attendance is must for all NSS Volunteers.

T. V. Shah

Mr. Tushar Shah
NSS Program Officer


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Date: 25th February 2022

REPORT

CLEANLINESS DRIVE - ANKHAR VILLAGE (TITWALA)

The NSS unit of Chandrabhan Sharma College conducted a cleanliness and awareness drive at Ankhar Village on 23rd February 2022, from 9.30 A.M TO 11.30 A.M. The volunteers undertook the task of creating awareness and Importance of Cleanliness in Ankhar Village. In addition to this, the volunteers also cleaned the Village. After the cleaning was done, the students displayed posters with messages of awareness in Ankhar Village.

A total of 40 students participated in this drive, which was aimed at promoting cleanliness and creating awareness among the public.

T.V. Shah

Mr. Tushar Shah
NSS Program Officer


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ATTENDANCE**Date:** 23rd February 2022**EVENT:** Cleanliness Drive - Ankhar Village (Titwala)

SR. NO.	NAME
1	PRIYA ATHWALE
2	PINKI MAURYA
3	KHUSHRAJ SINGH SANDHU
4	JINCY
5	RATNAKAR PARAB
6	KAJAL PAL
7	SURABHI NAIR
8	SIDDHI ABHANG
9	SHYAM DAS
10	SUYASH MAINDARGE
11	BRIJLAL GUPTA
12	SANDEEP YADAV
13	ANIL GUPTA
14	VINAY YADAV
15	REHAN ANSARI
16	PRAKASH DHAGE
17	SHIVANI BANGA
18	BHAGYASHRI HIRAPURE
19	DEEPIKA GUPTA
20	RAVI TOMPE
21	DEVANSH PARMAR
22	MANSI YADAV
23	YASH BOKADE
24	SAKSHI BHADARGE
25	ADITI CHAVAN
26	SANDHYA SONKAMBLE
27	NISHA PAWAR
28	SACHIN SHUKLA
29	KOMAL YADAV
30	AJAY YADAV
31	PRACHI SINGH
32	SHWETA SINGH



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33	ANJALI YESARE
34	LAXMI BANSODE
35	RISHABH GHARANIYA
36	ARVIND CHAUHAN
37	NIRANJAN DASRI
38	JAYESH GAWDE
39	SUPRIYA GAWDE
40	ASHUTOSH JADHAV

T. V. Shah

Mr. Tushar Shah

NSS Program Officer


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E-mail: cbscollege@gmail.com Website: www.cscollege.co.in



Date: - 27th July 2020

NOTICE

WEBINAR ON TREE PLANTATION DAY

All the students are hereby informed that NSS unit of Chandrabhan Sharma College is organizing Webinar on “Tree plantation” on occasion of Tree plantation Day on 29th July 2020. The webinar will be conducted through zoom meet. The resource person for webinar is Nidhi Mathuria. The timing for meeting will be from 12:00 noon to 01:00 P.M. Meeting link will be shared by the NSS Program officer.

Attendance is compulsory for all NSS volunteers

T.U. Shah

Mr. Tushar Shah
NSS Program Officer


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31st July 2020

REPORT

WEBINAR ON TREE PLANTATION DAY

A webinar on Tree Plantation Day was conducted on 29th July 2020 from 12:00 noon to 01:00 P.M., the webinar was conducted through zoom meet by NSS unit of Chandrabhan Sharma college with Nidhi Mathuria as the resource person. The webinar aimed to raise awareness about the importance of tree plantation and environmental conservation. Nidhi Mathuria shared her expertise on tree species, planting techniques, and the benefits of trees. Participants learned about the role of trees in mitigating climate change and enhancing biodiversity. The webinar successfully encouraged students to actively participate in tree plantation drives, fostering a sense of environmental responsibility. **Total 58 volunteers attended the webinar and got benefited.**

T.U. Shah

Mr. Tushar Shah
NSS Program Officer


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PHOTOS

Date: 29th July 2020

Event: Webinar on Tree Plantation Day



T.U. Shah

Mr. Tushar Shah
 NSS Program Officer

ASB
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ATTENDANCE

Date: 29th July 2020

Event: Webinar on Tree Plantation Day

Sr. No.	Name
1	ABDUL WAHEED IDRISHI
2	KULDEEP KANNAUJIY
3	PRATHAM SINGH
4	YASMIN SAHIKH
5	NISHA VICHARE
6	SONU GOSWAMI
7	FAREEN HASHMI
8	MUKESH PATEL
9	AMAN SINGH
10	FAROOQUE CHOUDHAR Y
11	RAKESH JHA
12	RHUTVIK SONAWANE
13	Saif Khan
14	SAKSHAM PAL
15	AMAN PANDEY
16	SAMEER PATEL
17	GAJAN POOJARI
18	ROHIT RAMANI
19	JINCY MARIYA
20	SIDDHI ABHANG
21	ROSHNI GRAY
22	ARYAN JADHAV
23	VAISHNAVI KANADE
24	DIPAK KUMAWAT
25	RUSHAB RAJBHAR
26	SHILPA RAJBHAR
27	ARJUN RATHOD
28	HIMANSHU RATHOUR
29	NAVJOT SINGH SAINI


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30	KARISHMA SAROJ
31	DEVENDRA VISHWAKARMA
32	SEJAL DUBEY
33	AASHISH GHOLAP
34	NEHA PAL
35	HARINARAYAN PANDEY
36	ISHRAR SHAIKH
37	ANJALI SHARMA
38	RITIKA SINGH
39	TRIPTI SINGH
40	DIPALI YADAV
41	VISHAL RAJBHAR
42	AMAR MURMU
43	ASHWINI KOTTURI
44	SACHIN SHUKLA
45	NAINCY SINGH
46	PRACHI SINGH
47	ADITI UPADHYAY
48	NEHA VISHWAKARMA
49	KOMAL YADAV
50	SATTU PARKE
51	SUPRIYA GAWDE
52	CHANDANI GRAY
53	NAVRIN KHAN
54	SHIVANI SAHANI
55	JYOTI SAHANI
56	SADDIQUE SHAIKH
57	SUNAINA SINGH
58	JYOTI VISHWAKARMA

T.U. Shah

Mr. Tushar Shah
NSS Program Officer


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ACADEMIC YEAR

2019 - 2020

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YEAR

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Date: - 18th July 2019

NOTICE

TREE PLANTATION

All the students of our college are hereby informed that NSS unit of Chandrabhan Sharma College is organizing a tree plantation activity on 20th July, 2019 from 1:30 pm to 4:30 pm at "Vikhroli Post office". The purpose of this activity is to spread greenery by planting trees. For more details, contact our NSS program officer.

NSS students must attend the program on compulsory basis.

T. U. Shah

Mr. Tushar Shah
NSS Program Officer


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Date:- 21st July 2019

REPORT

TREE PLANTATION

On Saturday, July 20, 2019, between 1:30 pm and 4:30 pm, the NSS Unit of Chandrabhan Sharma College carried out a "Tree Plantation" initiative. The event took place at the Vikhroli Post office and was attended by a total of 32 volunteers, along with the NSS Program Officer, Prof. Tushar Shah. The activity involved planting 10 Mango tree saplings, 5 Neem tree saplings, And 5 Jamun tree saplings, resulting in a total of 20 saplings being planted.

T. U. Shah

Mr. Tushar Shah
NSS Program Officer


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PHOTOS

Date: - 20th July 2019

Event: - Tree Plantation



Tree Plantation done by volunteers at Vikhroli Post Office

T.V. Shah

Mr. Tushar Shah

NSS Program Officer


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ATTENDANCE

Date: 20th July, 2019

EVENT: Tree plantation

SR. NO.	NAME
1	SAKSHI BHADARGE
2	ADITI CHAVAN
3	SANDHYA SONKAMBLE
4	NISHA PAWAR
5	SACHIN SHUKLA
6	KOMAL YADAV
7	AJAY YADAV
8	PRACHI SINGH
9	SHWETA SINGH
10	SUNAINA SINGH
11	SHRADHA TIWARI
12	JYOTI VISHWAKARMA
13	RACHANA YADAV
14	SADHANA YADAV
15	VIKAS YADAV
16	RESHAM YADAV
17	KAMIKA YADAV
18	SIDDHANT SANKPAL
19	NAMRATA CHAURASIYA
20	KAUSAL BARETHA
21	ABHISHEK YADAV
22	RUPAL GAUD
23	ASHUTOSH SINGH
24	POOJA SHUKLA
25	VINAY YADAV
26	REHAN ANSARI
27	PRAKASH DHAGE
28	SHIVANI BANGA


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29	BHAGYASHRI HIRAPURE
30	ADITI CHAVAN
31	SANDHYA SONKAMBLE
32	NISHA PAWAR
33	SACHIN SHUKLA
34	KOMAL YADAV
35	AJAY YADAV
36	PRACHI SINGH

T.U. Shah

Mr. Tushar Shah
NSS Program Officer


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Date:- 16th August 2019

NOTICE

“CLEANLINESS DRIVE “UNIVERSITY OF MUMBAI”

All students are hereby informed that the NSS unit of Chandrabhan Sharma College is organizing Cleanliness Drive at University of Mumbai, Kalina campus on Thursday 18th August 2019 from 9:30 A.M TO 11: 30 A.M.

Attendance is compulsory for all NSS volunteers.

T.V. Shah

Mr. Tushar Shah
NSS Program Officer


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Date: - 19th August 2019

CLEANLINESS DRIVE "UNIVERSITY OF MUMBAI"

REPORT

Volunteers of the NSS unit of Chandrabhan Sharma College carried out CLEANLINESS DRIVE at University of Mumbai, Kalina campus from 9:30 A.M to 11:30 A.M on Thursday, August 18, 2019. Along with staff from the university, the volunteers successfully completed all Cleanliness activities, making the campus premises clean and green. The students cleaned out all Types of garbage and dumped it in the BMC garbage van. A total of 56 students participated in the drive.

T.V. Shah

Mr. Tushar Shah

NSS Program Officer

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PHOTOS

Date: - 18th August 2019

Event: - Cleanliness Drive University of Mumbai



Volunteers cleaned the premises at University of Mumbai, Kalina

T.V. Shah

Mr. Tushar Shah

NSS Program Officer


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ATTENDANCE

Date: 18th August 2019

EVENT: Cleanliness Drive University of Mumbai

SR. NO.	NAME
1	PRIYA ATHWALE
2	PINKI MAURYA
3	KHUSHRAJ SINGH SANDHU
4	JINCY
5	RATNAKAR PARAB
6	KAJAL PAL
7	SURABHI NAIR
8	SIDDHI ABHANG
9	SHYAM DAS
10	SUYASH MAINDARGE
11	BRIJLAL GUPTA
12	SANDEEP YADAV
13	ANIL GUPTA
14	VINAY YADAV
15	REHAN ANSARI
16	PRAKASH DHAGE
17	SHIVANI BANGA
18	BHAGYASHRI HIRAPURE
19	DEEPIKA GUPTA
20	RAVI TOMPE
21	DEVANSH PARMAR
22	MANSI YADAV
23	YASH BOKADE
24	SAKSHI BHADARGE
25	ADITI CHAVAN
26	SANDHYA SONKAMBLE
27	NISHA PAWAR
28	SACHIN SHUKLA
29	KOMAL YADAV


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30	AJAY YADAV
31	PRACHI SINGH
32	SHWETA SINGH
33	ANJALI YESARE
34	LAXMI BANSODE
35	RISHABH GHARANIYA
36	ARVIND CHAUHAN
37	NIRANJAN DASRI
38	JAYESH GAWDE
39	SUPRIYA GAWDE
40	ASHUTOSH JADHAV
41	NANDINI KARANDE
42	RITIKA MAURAYA
43	VIJAY PANDEY
44	AKSHAY PUROHIT
45	ANKUSH SINGH
46	ADARSH SINGH
47	SHIVAM UPADHYAY
48	VISHAL YADAV
49	ANJALI KARANDE
50	CHAITALI BHUWAD
51	ANIKET CHAUHAN
52	POOJA GAWDE
53	CHANDANI GRAY
54	NAVRIN KHAN
55	NILESH FADALE
56	ABIZER LAMBIWALA

T. U. Shah

Mr. Tushar Shah

NSS Program Officer


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Date: - 15th September 2019

NOTICE

**CLEANLINESS AWARENESS DRIVE KANJURMARG
RAILWAYSTATION**

All students are hereby informed that NSS unit of Chandrabhan Sharma College along with Kanjur Marg railway station authority is organizing Cleanliness Awareness Drive on 18th September 2019 from 11:00 A.M TO 12:30 P.M at Kanjurmarg Railway Station.

Attendance is must for all NSS Volunteers.

T. U. Shah

Mr. Tushar Shah
NSS Program Officer


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Date: - 19th September 2019

REPORT

**CLEANLINESS AWARENESS DRIVE KANJURMARG RAILWAY
STATION**

The NSS unit of Chandrabhan Sharma College conducted a cleanliness and awareness drive at Kanjurmarg Railway Station on 18th September 2019, from 11:00 A.M. to 12:30 P.M. The volunteers undertook the task of creating awareness among the commuters at the railway station. In addition to this, the volunteers also cleaned the entire station premises. After the cleaning was done, the students displayed posters with messages of awareness at the railway platform to spread the word about cleanliness and hygiene.

A total of 44 students participated in this drive, which was aimed at promoting cleanliness and creating Awareness among the public.

T.U. Shah

Mr. Tushar Shah
NSS Program Officer


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ATTENDANCE

Date: 18th September 2019

EVENT: Cleanliness Awareness Drive at Kanjurmarg station

SR. NO.	NAME
1	PRIYA ATHWALE
2	PINKI MAURYA
3	KHUSHRAJ SINGH SANDHU
4	JINCY
5	RATNAKAR PARAB
6	KAJAL PAL
7	SURABHI NAIR
8	SIDDHI ABHANG
9	SHYAM DAS
10	SUYASH MAINDARGE
11	BRIJLAL GUPTA
12	SANDEEP YADAV
13	ANIL GUPTA
14	VINAY YADAV
15	REHAN ANSARI
16	PRAKASH DHAGE
17	SHIVANI BANGA
18	BHAGYASHRI HIRAPURE
19	DEEPIKA GUPTA
20	RAVI TOMPE
21	DEVANSH PARMAR
22	MANSI YADAV
23	YASH BOKADE
24	SAKSHI BHADARGE
25	ADITI CHAVAN
26	SANDHYA SONKAMBLE
27	NISHA PAWAR
28	SACHIN SHUKLA
29	KOMAL YADAV
30	AJAY YADAV
31	PRACHI SINGH


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32	SHWETA SINGH
33	ANJALI YESARE
34	LAXMI BANSODE
35	RISHABH GHARANIYA
36	ARVIND CHAUHAN
37	NIRANJAN DASRI
38	JAYESH GAWDE
39	SUPRIYA GAWDE
40	ASHUTOSH JADHAV
41	NANDINI KARANDE
42	RITIKA MAURAYA
43	VIJAY PANDEY
44	AKSHAY PUROHIT

T.U. Shah

Mr. Tushar Shah

NSS Program Officer

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Date:- 29th September 2019

REPORT

BEACH CLEANLINESS DRIVE – MAHIM BEACH

The NSS unit of Chandrabhan Sharma College, in collaboration with United Way Foundation Mumbai, conducted a Beach Cleanliness Drive at Mahim Beach on Saturday, 28th September 2019, from 9:00 A.M. to 11:30 A.M. The drive aimed to raise awareness among people to keep the beach clean and tidy. The drive was successful, and after its completion, a major portion of the beach was found to be clean with less amount of garbage. The event had a good turnout, from 32 students Chandrabhan Sharma College NSS Unit and 25 volunteers from United Way Foundation Mumbai participating in the drive with people from various organizations and individuals coming together for the same cause.

T.U. Shah

Mr. Tushar Shah

NSS Program Officer


V/C PRINCIPAL
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PHOTOS

Date: 28th September, 2019

EVENT: - Beach Cleanliness Drive - Mahim beach




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Tel. 022-45266020

ATTENDANCE

Date: 28th September, 2019

EVENT: - Beach Cleanliness Drive - Mahim beach

SR NO.	NAME
1	SHIVANI BANGA
2	BHAGYASHRI HIRAPURE
3	DEEPIKA GUPTA
4	RAVI TOMPE
5	DEVANSH PARMAR
6	MANSI YADAV
7	YASH BOKADE
8	SAKSHI BHADARGE
9	ADITI CHAVAN
10	SANDHYA SONKAMBLE
11	NISHA PAWAR
12	SACHIN SHUKLA
13	KOMAL YADAV
14	AJAY YADAV
15	PRACHI SINGH
16	SHWETA SINGH
17	ANJALI YESARE
18	LAXMI BANSODE
19	RISHABH GHARANIYA
20	ARVIND CHAUHAN
21	NIRANJAN DASRI
22	JAYESH GAWDE
23	SUPRIYA GAWDE
24	ASHUTOSH JADHAV
25	NANDINI KARANDE


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26	RITIKA MAURAYA
27	VIJAY PANDEY
28	AKSHAY PUROHIT
29	ANKUSH SINGH
30	ADARSH SINGH
31	SHIVAM UPADHYAY
32	VISHAL YADAV

T.U. Shah

Mr. Tushar Shah

NSS Program Officer


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ACADEMIC YEAR

2017 - 2018



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Date: - 26th August 2017

NOTICE

TREE PLANTATION

Students are hereby informed that NSS Unit of Chandrabhan Sharma is organizing a tree plantation program on 31st August 2017. The program will be held at 09:00 AM in the Aarey Colony, Goregaon, and Mumbai. Students are hereby informed to participate in this program and make it a success.



Mr. Tushar Shah
NSS Program Officer



Dr. Chitra Natarajan
Principal


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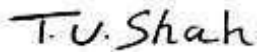
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Date: - 1st September 2017

TREE PLANTATION

REPORT

NSS unit of Chandrabhan Sharma College organized a Tree Plantation Drive realizing the importance of saving trees for better environment. On 31st August, 2017, 25 Participants took part in this event. Total 35 samplings were successfully planted.



Mr. Tushar Shah
NSS Program Officer



Dr. Chitra Natarajan
Principal


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PHOTOS

Date: - 31st August 2017

Event: - Tree Plantation




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ATTENDANCE

Date: 31 August 2017

EVENT: -Tree Plantation Drive

Sr no.	Name	Sr no.	Name
1	MAZIN DAFEDER	14	SHAMSHAD ANSARI
2	RUTIKA GAWADE	15	ANKITA BHOSTEKAR
3	PURNIMA GUPTA	16	KRISHNA BIND
4	REENA KANAUIYA	17	SNEHA CHAVAN
5	JYOTI MISHRA	18	SAYALI KAMTEKAR
6	VENI PALLAR	19	KANCHAN MUDLIYAR
7	SEJAL PATEL	20	RAHUL MULE
8	SIMRAN RANDHAWA	21	VAIBHAV PATIL
9	SHWETA VERMA	22	VARSHA PRAJAPATI
10	SEEMA YADAV	23	NEELESH RAJBHAR
11	JYOTI THAKUR	24	AARTI YADAV
12	ROHIN KARKADA	25	PRIYANKA GHORPADE
13	SATISH PATEL		


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Date: - 7th September 2017

NOTICE

KANJURMARG RAILWAY STATION CLEANLINESS DRIVE

This is to be informing that the NSS Unit of Chandrabhan Sharma College is organizing “Kanjurmarg Railway Station cleanliness drive” on 9th September, 2017 from 9:30 a.m. to 11:30 a.m. At Kanjurmarg railway station.

All volunteers should participate in this cleanliness drive.

T.U. Shah

Mr. Tushar Shah
NSS Program Officer


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Date: - 10th September 2017

**CLEANLINESS DRIVE AT KANJURMARG RAILWAY
STATION**

REPORT

NSS Unit of Chandrabhan Sharma College organized Cleanliness Drive on 9th September, 2017 Wednesday from 9:30 AM. to 11:30 AM. At Kanjurmarg Railway Station. Students undertook a

Cleanliness drive. Total of 13 students from our college participated and benefited.


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Photos

Date:- 9th September 2017

Event:- CLEANLINESS DRIVE AT KANJURMARG RAILWAY STATION




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ATTENDANCE

Date:- 9th September 2017

Event:- CLEANLINESS DRIVE AT KANJURMARG RAILWAY STATION

Sr. No.	Name
1	JYOTI THAKUR
2	ROHIN KARKADA
3	SATISH PATEL
4	SHAMSHAD ANSARI
5	ANKITA BHOSTEKAR
6	KRISHNA BIND
7	SNEHA CHAVAN
8	SAYALI KAMTEKAR
9	KANCHAN MUDLIYAR
10	RAHUL MULE
11	VAIBHAV PATIL
12	VARSHA PRAJAPATI
13	NEELESH RAJBHAR


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Date: - 25th September 2017

NOTICE

RALLY FOR SAVE RIVERS

It is here by inform that the NSS Unit of Chandrabhan Sharma College is organizing 'Rally for Rivers' in association with "ISHA FOUNDATION" on 2nd October, 2017 from 9.00 A.M. Onwards. Students need to gather at college Ground floor at 9 A.M.

The attendance is compulsory for all NSS Volunteers.



Mr. Tushar Shah
NSS Program Officer



Dr. Chitra Natarajan
Principal


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Website: www.ghpcorp.com


Date: - 3rd October, 2017

RALLY FOR RIVERS

REPORT

Rally for Rivers program was organized by the NSS Unit and staff at Chandrabhan Sharma College. The rally was conducted with the collaboration of “ISHA FOUNDATION”. The program was held on Thursday 2nd October 2017. All the participants contributed to social work. **Total of 39 volunteers took part.**

OUTCOME: Rally for Rivers mobilizes public support through signature campaigns, social media awareness, and public consultations to demonstrate widespread support for river conservation and put pressure on decision-makers.



Mr. Tushar Shah
NSS Program Officer



Dr. Chitra Natarajan
Principal


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PHOTOS

Date: - 2nd October 2017

Event: - Rally for Rivers



DESCRIPTION: Students march with banners, distribute pamphlets, and engage in door-to-door campaigns to raise awareness about the importance of preserving rivers. They actively advocate for river conservation, educate communities, and promote sustainable practices to protect these vital water bodies.


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Maharashtra, India.
Tel : +91 22 2570 4526 / 6523 4526 / 2570 4530
Telefax: +91 22 2570 4526 / 2570 0789
Email: cbscollege@gmail.com
Website: www.ghpcorp.com

ATTENDANCE

Date: 2nd October 2017

EVENT: -Rally for Save Rivers

Sr no.	Name		
1	MAZIN DAFEDER	21	VAIBHAV PATIL
2	RUTIKA GAWADE	22	VARSHA PRAJAPATI
3	PURNIMA GUPTA	23	NEELES RAO
4	REENA KANAUIYA	24	AARTI YADAV
5	JYOTI MISHRA	25	PRIYANKA GHORPADE
6	VENI PALLAR	26	VIJAY PATEL
7	SEJAL PATEL	27	MITESH CHAURASIYA
8	SIMRAN RANDHAWA	28	AJAYKUMAR GOUD
9	SHWETA VERMA	29	PRASHANT CHAURASIYA
10	SEEMA YADAV	30	PRADEEP DUBEY
11	JYOTI THAKUR	31	PRATAMESH AMBEKAR
12	ROHIN KARKADA	32	AKASH SHARMA
13	SATISH PATEL	33	DARYL CHIRAYATH
14	SHAMSHAD ANSARI	34	MANISH SINGH
15	ANKITA BHOSTEKAR	35	RAJESHKUMAR PANDIT
16	KRISHNA BIND	36	SURAJ CHOUDHARY
17	SNEHA CHAVAN	37	ABDUL MALIK KHAN
18	SAYALI KAMTEKAR	38	ANJALI GHAGAT
19	KANCHAN MUDLIYAR	39	ASIF HASMMI
20	RAHUL MULE		


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7.1.3 Clear & Green Campus initiative

Action Taken Report and Achievement Report



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Action taken Report and Achievement Report as Clean and Green Campus

Initiative:

2021 – 22

Action Taken Report

- The college continued the practice of giving plants to every guest coming to the college instead of giving bouquets.
- Resources conservation boards were placed on the college campus.
- E- waste management bins are kept in college campus.

Achievement

Event List (2021 – 22)

Sr. No.	Event Name	Date / Day	Time	Venue	No of Participants
1	webinar on “Ecosystem Restoration”.	5 th June, 2021 Saturday	1:00 to 2:00	Online	35
2	Eco – Friendly Ganesha Idol Making Workshop	7 th September, 2021 Friday	11 am to 12 noon	Powai Lake Premises	30
3	Shifting of Climatic Preparedness	16 th September, 2021 Thursday	12.15 pm to 1.15 pm	Online	40



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4	Swachh Bharat Abhiyan at Powai Lake Garden	2 nd October, 2021 Friday	10 am onwards	Powai Garden	52
5	Visit to Marine and Coastal Biodiversity Centre	27 th November, 2021 Saturday	9 am onwards	Airoli	18
6	Webinar "Miracle Enzyme"	12 th February, 2022 Saturday	12 noon to 1 pm	Online	100
7	Celebration of World Aquatic Animals Day	8 th April, 2022 Friday	7.30 am to 9 am	Powai Lake	72



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Report: "Ecosystem Restoration".

Nature Club in association organized a webinar on "**Ecosystem Restoration**" on the occasion of World Environment Day by resource speakers- Mr. Vikas Pandey on Zoom Application at 1.00 pm.

The theme of this year's World Environment Day is Ecosystem Restoration. World Environment Day 2021 will see the launch of the UN Decade on Ecosystem Restoration. Webinar was conducted for students, Mr. Vikas Pandey guided everyone on how the college, students can do their part in environment conservation. He said Ecosystem restoration means assisting in the recovery of ecosystems that have been degraded or destroyed, as well as conserving the ecosystems that are still intact. Healthier ecosystems, with richer biodiversity, yield greater benefits such as more fertile soils, bigger yields of timber and fish, and larger stores of greenhouse gases. Restoration could also remove 13 to 26 gigatons of greenhouse gases from the atmosphere.

35 students joined the session making it a success. Webinar ended on a good note with an informative and interactive session.

Outcome

The main objective of the webinar was to aware students about Ecosystem and its restoration. Students understood the harmful effect of climatic conditions on atmosphere and how they can help in reducing these environmental impacts.

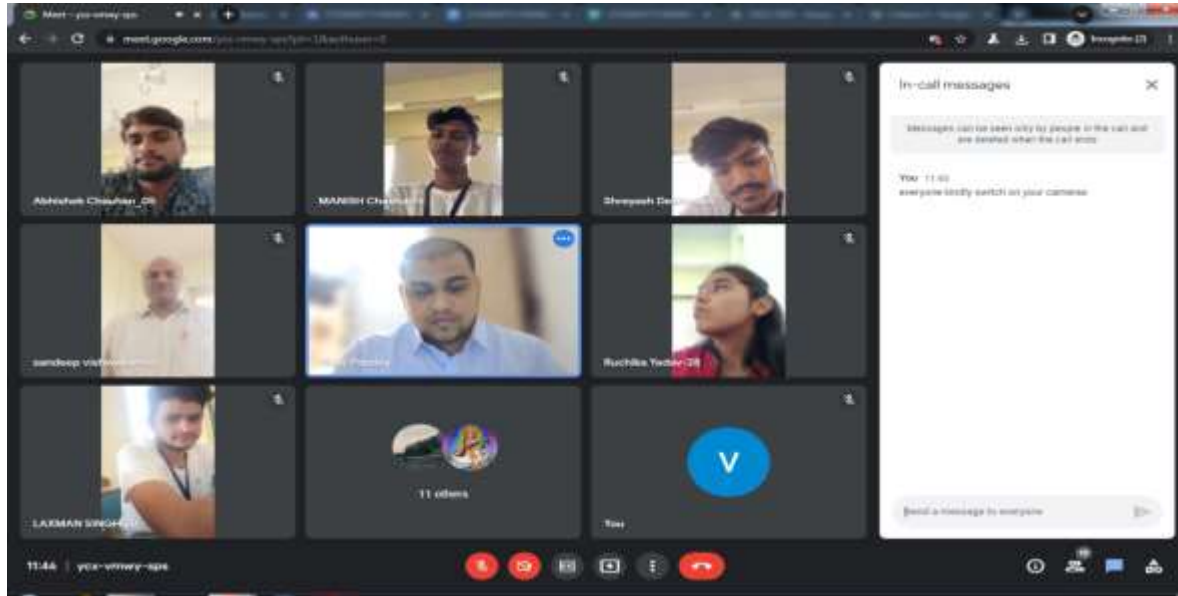


Mrs Dipti Parab
Convener, Nature Club



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Photos



08/09/2021


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Report: “Eco-friendly Ganesh Idol Making Workshop”

Nature Club in association with Young Environmental Programme Trust organized the “**Eco-friendly Ganesh Idol Making Workshop**” under the program **Powai Lake Project** on 7 September 2021, Friday from 11 am to 12 noon at Powai Lake Premises.

The event started with a walk at Powai Lake to get a better understanding of the lake and its surrounding areas. Later Environmentalist Elsie Gabriel gave a brief introduction about the history of the lake, areas surrounding the lake, pollution-causing factors and how pollution is affecting the flora and fauna present inside the lake.

Students also interacted with workers cleaning the lake to find out about various measures undertaken by them and how much it is useful for the lake. The session concluded with students making eco-friendly Ganesh idols using silt removed from the lake.

30 participants joined the session even during the lockdown. The activity ended on a good note with an informative and interactive session.

Outcome

1. Students understood the importance of water bodies in our life
2. They understood harmful effect of ganesh idols on the water bodies
3. Workshop helped in showing ways of celebrating festival using eco-friendly means



Ms Dipti Parab
Convener, Nature Club



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19/09/2021

Report: "Shifting of Climatic Preparedness"

Nature Club in association with the Department of Commerce (Banking and Insurance) organized a One Day National level webinar on "**Shifting of Climatic Preparedness**" on the occasion of World Ozone Day by resource speakers- Dr R. O. Patil, HOD, Environmental Studies, Sant Gadge Maharaj College of Commerce & Economics on Zoom Application at 12.15 pm.

Webinar was conducted for both faculties and students of the college. Dr R. O. Patil guided everyone on how the college, students and faculties can do their part in environment conservation. He informed everyone about various measures that can be undertaken for saving our planet.

40 participants joined the session making it a success. Webinar ended on a good note with an informative and interactive session.

Outcome

The main objective of the webinar was to prepare students for the shift in Climatic conditions. Students understood the harmful effect of climatic conditions on ozone layer and how they can help in reducing these environmental impacts



Mrs Dipti Parab
Convener, Nature Club



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Dr R O Patil

One Day National Level Webinar
On

Guest Speaker

"Shifting of Climatic Preparedness"

Organized by BBI Department
in association with Nature Club

Saturday, 16th September, 2021


Dr R. O. Patil


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One Day National Level Webinar
On
"Shifting of Climatic Preparedness"

Organized by BBI Department
in association with Nature Club

Saturday, 16th September, 2021

Guest Speaker: **Dr. R. O. Patil**

Participants: CBS COLLEGE, Dr. R. O. Patil, Prasanna Kharat, Pandey Trisha


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3/10/2021

Report: “Swachh Bharat Abhiyan at Powai Lake”

Nature Club in association with Young Environmental Programme Trust organized the “**Swachh Bharat Abhiyan at Powai Lake**” under the program **Powai Lake Project** on 2nd October 2021, Friday from 11 am to 12 noon at Powai Lake Garden.

The event started with a walk at Powai Lake Garden to get a better understanding of the lake and its surrounding areas. Later Environmentalist Elsie Gabriel gave a brief introduction about the history of the lake, areas surrounding the lake, pollution-causing factors and how pollution is affecting the flora and fauna present inside the lake.

The session concluded with students cleaning the garden as a part of swachh Bharat Abhiyan so that the garbage does not reach the lake polluting it further. The collected garbage was disposed of properly.

52 Students joined the drive. The activity ended on a good note with an informative and hardworking session.

Outcome

1. Students understood the importance of water bodies in our life
2. They understood harmful effect of garbage on the water bodies
3. They understood the importance of swachh bharat abhiyan



Ms Dipti Parab
Convener, Nature Club



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28/11/2021

Report: "Visit to Marine and Coastal Biodiversity Centre"

Nature Club in association with the Young Environmental Programme organized "**Visit to Marine and Coastal Biodiversity Centre**" under **Powai Lake Research** project on 27th November 2021, Saturday from 9 am to 12 noon.

The event started with a walk at Thane Creek to watch different species of migrating birds like flamingos, peahens and different species of mangroves. Later a brief introduction was given about the history of Thane Creek, areas surrounding the creek, flora and fauna present, migrating birds, how mangroves are important for the ecosystem, pollution-causing factors and how pollution is affecting the Thane Creek.

The session concluded with a small movie about the creek giving information about migrating birds, ecosystem, ecology, mangroves and people whose livelihood is dependent on this creek. 18 participants joined the visit making it a success. The activity ended on a good note with an informative and interactive session.

Outcome

1. Students understood the importance of water bodies in our life
2. They understood importance of mangroves
3. Visit helped students get closer to the nature



Ms Dipti Parab
Convener, Nature Club



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Navi Mumbai, Maharashtra, India

4XXM+XHM, Airoli, Navi Mumbai, Maharashtra
Lat 19.150078°
Long 72.984994°
27/11/21 11:00 AM



Navi Mumbai, Maharashtra, India

Unnamed Road, Airoli, Navi Mumbai, Maharashtra
India
Lat 19.147328°
Long 72.982008°
27/11/21 10:33 AM



Navi Mumbai, Maharashtra, India

4XXM+9CV, Airoli, Navi Mumbai, Maharashtra 4007
Lat 19.148519°
Long 72.983456°
27/11/21 10:02 AM



Navi Mumbai, Maharashtra, India

4XXM+9CV, Airoli, Navi Mumbai, Maharashtra
Lat 19.14856°
Long 72.983446°
27/11/21 10:05 AM

Powai-Vihar, Powai, Mumbai - 400 076.
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15/02/2022

Report: Webinar on “Miracle Enzyme”

Nature Club organized a webinar on “**Miracle Enzyme**” by Vasudha Bijnani on 12th February 2022, Saturday from 12 noon to 1 pm.

MIRACLE ENZYME is one stop solution for all your home cleaning needs and it is very easy to create and use.

This organic chemical free enzyme not only cleans your house efficiently but also purifies the water bodies when it goes down the drain. It helps in waste management, reduces global warming, helps in soil recovery, purifies air and water. That is why it is called Miracle Enzyme.

91 students and 9 faculty joined the webinar.

Outcome

1. Participants learned the importance of miracle enzyme
2. They learned how to prepare miracle enzyme
3. Webinar helped participants to understand the uses of miracle enzyme

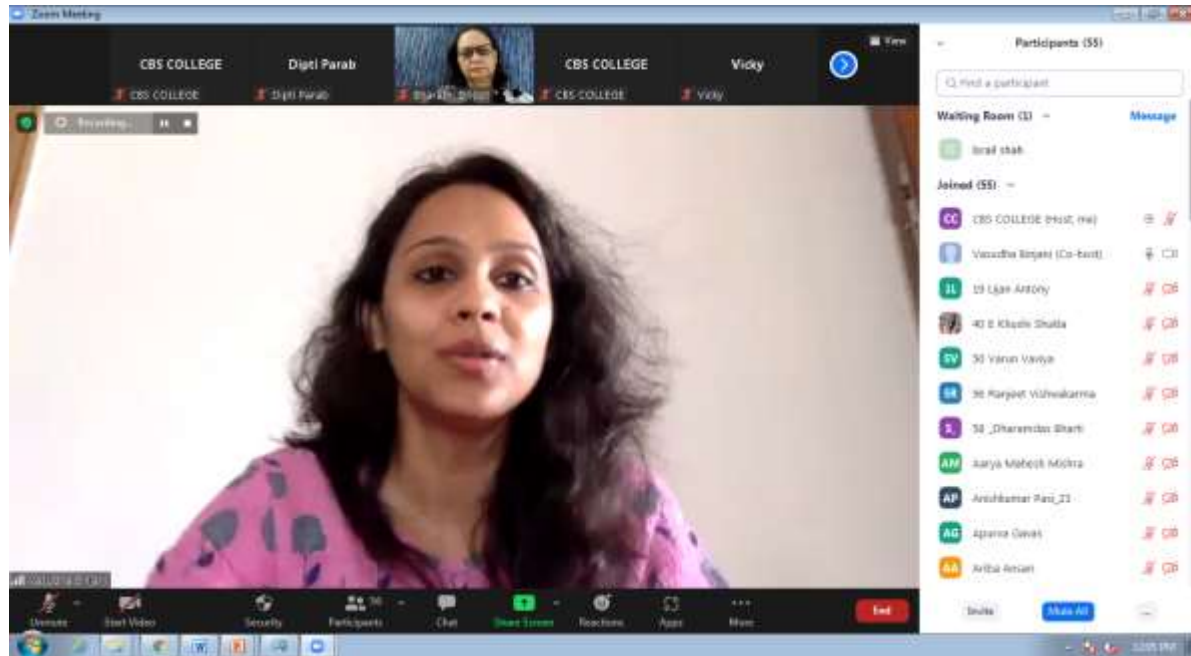


Ms Dipti Parab
Convener, Nature Club



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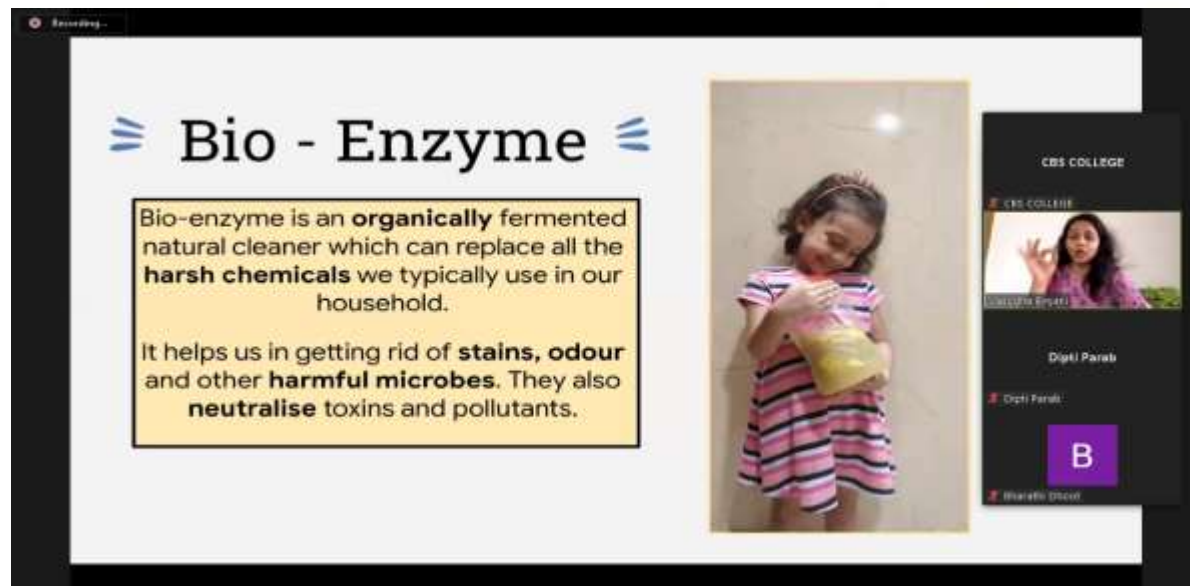

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This year let's move towards a chemical free cleaning of our entire house with bio enzyme and soapnuts(reetha).

1. **Chemical free, preservative free, 100% natural.**
2. **Helps in waste management by converting the garbage into a gem.**
3. **Multiplies good bacteria and kills the bad bacteria increases microbial shield around us.**
4. **Recovers our ozone layer and lower the global temperature.**
5. **It helps in healing wounds.**
6. **Cures Skin diseases.**
7. **Helps in flood affected areas.**
8. **Helps in reviving water bodies, purifying air and conserving soil.**

The screenshot also shows a Zoom interface with a video thumbnail of a woman, a name tag for 'Dipti Parab', and a purple 'B' logo. The bottom toolbar includes icons for Mute, Start Video, Security, Participants, Chat, Share Screen, Pause/Stop Recording, Reactions, and Apps.


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Bio - Enzyme

Bio-enzyme is an **organically** fermented natural cleaner which can replace all the **harsh chemicals** we typically use in our household.

It helps us in getting rid of **stains, odour** and other **harmful microbes**. They also **neutralise** toxins and pollutants.




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Date :- 9th April, 2022

REPORT

EMAC Zone of Bachelor Of Commerce and Nature Club in Association with NGO Young Environmentalists Programme club of Powai organized an outdoor education nature trail to celebrate World Aquatic Animals Day on Friday, 8th April 2022 from 7.30 am to 9.00 am. It was also a part of the Foundation Course project.

The session was conducted outdoor in Powai Lake, Pawarwadi Ganesh Ghat, Close to IIT side by environmentalist, Elsie Gabriel, who addressed the students with respect to Powai Lake, its conservation, the various other water supplying lakes in Mumbai etc. She also addressed the problem of water hyacinth and gave them a briefing along with showing them the plant in practical. She gave very knowledgeable insight on environmental issues after which the students were asked certain questions and the winners were appreciated. They were later taken for a nature trail along Powai Vihar stretch and were asked to click candid nature photos. The students were overjoyed and had a fun experience. Around 72 students of Bachelor of Commerce participated in this nature trail.



Ms. Dipti Parab
Co-ordinator
Nature Club



Ms. Sharlet Bhaskar
Co-ordinator,
Bachelor of Commerce



Dr. Pratima Singh
Principal

 Scanned with CamScanner



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2022 – 23

- The college continued the practice of giving plants to every guest coming to the college instead of giving bouquets.
- No Vehicle Day has observed by students & staff on 22nd September 2022
- More trees planted in the premises of the college
- E – Waste week was organized by Nature club.
- College organized various seminars & Webinars to create awareness for students.

Achievements**Event List (2022 – 23)**

Sr No	Event Name	Date / Day	Time	Venue	No of Participants
1	Eco – Friendly Ganesha Idol Making Workshop	25 th August, 2022 Friday	10 am to 12 pm	Min Auditorium, college Ground Floor	46
2	Seminar on WORKING TOWARDS CARBON NEUTRAL PLANET	10 th September, 2022, Saturday	10:30 am to 11:30 am	704, 7th Floor	62
3	Dhangar Waterfall Trek - Badlapur	19 th September, 2022	7:30 am – 5:00 pm	Dhangar Waterfall Badlapur	47
4	E-Waste Week	17 th October - 21 October 2022	9:00 am- 12 :00 pm	College ground floor Main Gate	25



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5	World Wetlands Day	2 nd February, 2023	10:30 am - 11:30 am	603, 6th Floor	40
6	Seminar on Awareness about "E-waste"	29 th March, 2023	8:00 am onwards	704 , 7th Floor	63
7.	Webinar on International Biodiversity Day	22 nd May, 2023	11:00 am	Online google meet	113
8.	Webinar on World Turtle Day	23 rd May, 2023	11:00 am	Online google meet	66
9.	Webinar on Anti-Tobacco Day	31 st May 2023	11:00 am	Online google meet	72
10.	Cleaning Drive of Kanjur Marg Station	1 st October 2022	9 am – 12 Noon	Kanjur Marg Station	22
11.	Lecture on International Natural Disaster reduction day	12 th October 2022	9:30 am	Class room 601	42



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Date: 22/09/2022

Nature Club

Report on "No Vehicle Day"

Particulars	Description
Name of the event:	No Vehicle Day
Date of the event:	22/09/2022
Time :	7:00 am to 4:00 pm
Venue :	College Premises
Stream / Class :	All Stream and all Class
Faculty in charge :	Rajesh Maisalge
Faculty members :	Kushali Gupta, Sonam Mishra
No. of Participants :	-
No. of beneficiaries :	-
Resource Person :	-


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Resource Person Details :	-
Description of the Event :	<p>On September 22nd, our college observed World Car Free Day by organizing a successful "No Vehicle Day" event. The initiative, led by our esteemed Nature Club, aimed to promote sustainable transportation practices and raise awareness about reducing carbon emissions for a greener and healthier environment.</p> <p>The "No Vehicle Day" event witnessed enthusiastic participation from both staff and students.</p>
Outcome of the Event :	<ol style="list-style-type: none"> 1) Increased Awareness: The event generated significant awareness about the environmental impact of excessive car usage and the importance of sustainable transportation options. 2) Reduced Carbon Emissions: The active participation and cooperation of staff and students resulted in a noticeable reduction in vehicular traffic on the college campus for the duration of the event. 3) Reduced Carbon Emissions: The active participation and cooperation of staff and students resulted in a noticeable


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	reduction in vehicular traffic on the college campus for the duration of the event.
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Mr. Rajesh Maisalge

Convener, Nature Club



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25/08/2022

Report: “Eco-friendly Ganesh Idol Making Workshop”

Nature Club in association with Young Environmental Programme Trust organized the “**Eco-friendly Ganesh Idol Making Workshop**” on 25th August, 2022, thursday from 10 am to 12 pm at Mini Auditorium (Powai lake venue was cancelled due to rain).

The workshop started with a prayer for Lord Ganesh. Later Environmentalist Elsie Gabriel asked a few questions related to powai lake then distributed t-shirts as a prize to the winners who have answered correctly. After that students formed groups and started making eco-friendly idols of Lord Ganesh using silt removed from the lake.

There were 46 Students who also interacted with each other and worked as a team. More than 10 Lord Ganesh Idols were made. The session concluded with declaring 1st, 2nd and 3rd winners who made beautiful Idols of Lord Ganesh.

The activity ended on a good note with an informative and interactive session.

Outcome

1. Students understood the importance of eco-friendliness in our life
2. They understood harmful effect of non-ecofriendly idols on the water bodies
3. Workshop helped in showing ways of celebrating festival using eco-friendly means



Mr. Rajesh Maisalge
Convener, Nature Club



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**Nature Club in Association with
Young Environmentalist Programme organises
Eco-friendly Ganesha Idol making workshop**

25th August, 2022



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10/09/2022

Report: “SEMINAR ON WORKING TOWARDS CARBON NEUTRAL PLANET”

Nature Club in association with “My Green Society” organised a seminar on “**WORKING TOWARDS CARBON NEUTRAL PLANET**” on 10th September, 2022 from 10:30 am – 11:30 am. **Mr. Vishal Tibarewala** was invited to speak few words and to motivate students towards environment protection

Seminar was started with a welcome speech by a student and principal Dr. Pratima Singh was also present there. Many students were dressed in green cloth. Mr. Vishal Tibarewala started the seminar with his introduction and motto of “My Green Society”. He explained to students about the need to save the environment and actions we should take in favour of it. He also cleared some students' doubts and answered them. He motivated them to work to save the environment. 62 students were present from all departments in the seminar.

He concluded the seminar by inviting students to join his cleanliness drive at various coasts of Maharashtra to clean idol remains after Ganesh Chaturthi festival. Many students went up to the stage and took group photos. The seminar ended on a good note with an informative and interactive session.

Outcome:

1. Students get to know about various organisations working to protect the environment.
2. Students get to know the importance of going green.
3. Awareness spread among students about the dangers faced by the planet earth and the measures that need to be taken to preserve the ailing planet.



Mr. Rajesh Maisalge
Convener, Nature Club



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The Nature Club in association with My Green Society is organising
Seminar on "Working towards Carbon - Neutral Planet"
by **Mr. Vishal Tibarewala**

10th September, 2022




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Date: 19/09/2022

Report : “ Dhangar Waterfall Trek - Badlapur”

Nature Club organized a Trek to “**Dhangar Waterfall - Badlapur**” on 19th September, 2022 from 7:30 am – 5:00 pm. Trek charges were 550 per student and total 47 students and 3 teachers went for the trek.

It began even before it began. The bus rippled with excitement and carefree merriment. There were theories made on how amazing the place would be, while few others recited the rumors they had come to know of.

The engine roared with the students, who burst into a frenzy of melodious singing. The bus halted at the starting point of “**Dhangar Waterfall**”... which was the destination that had been assigned for the day.

The guide showed up soon enough, and the class set out on its venture. Some ran up ahead, others walked at their own pace.

The trees were still, displaying nature’s pride along with the rustle of green plants. The walking continued for an hour till we reached the Waterfall spot.

All the students began filing in, one by one, the water made a heaven for them.

It’s the climb that enhances the beauty of the top of the mountain; it was that for the students. Except of course, the mountain top was replaced by a lovely waterfall.

They played with the water and they played with one another, then they clicked pictures in the water. Then the walk back down began reaching back to where the bus stood positioned, had lunch in base village and back to college by same bus.

The Trek ended on a good note with an informative and interactive session.


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Outcome:

1. Students get to know about various organizations working to protect the environment.
2. Students get to know the importance of green environment.
3. Awareness spread among students about the dangers faced by the planet earth and the measures that need to be taken to preserve the ailing planet.



Mr. Rajesh Maisalge
Convener, Nature Club



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Smt. Durgadevi Sharma Charitable Trust

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NAAC ACCREDITED 'B+' GRADE (FIRST CYCLE)

19th, Sep 2022




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10/12/2022

Report: "E-waste Week"

Nature Club in association with "WE- The Recycling Company" organized the "E-waste Week" from **17th October, 2022 to 21st October 2022**. All students, Teaching staff and non teaching staff were invited to bring e-waste materials from their houses and drop the same in the Blue colored drums kept at **college ground floor** between **8:30 am and 12 pm**.

There were 25 Students who donated e-waste materials, & even the teachers gave their contribution to this activity by donating e-waste materials.

Collected material then handed over to "WE- The Recycling Company" on **16-02-23** at 1.30 pm at the ground floor of college.

The activity ended on a good note.

Outcome:

1. Students understood the harmful effect of E-Waste
2. Student understood how to dispose E-waste Safely.



Mr. Rajesh Maisalge
Convener, Nature Club



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E-WASTE WEEK

ORGANISED BY THE NATURE CLUB IN ASSOCIATION WITH WE- THE RECYCLING COMPANY

17-21 OCT 2022




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2/2/2023

Report: "World Wetland Day"

Nature Club and The Student Council in association with Young Environmental Programme Trust organized the "World Wetlands Day" on 2nd February, 2023 from 10:30 am to 11:30 am at class room no. 603.

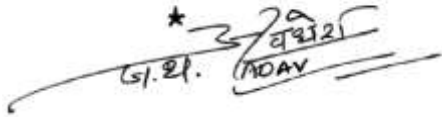
The seminar started with a prayer for Lord Ganesha. Later Environmentalist Elsie Gabriel asked a few questions related to Powai lake and its surrounding Wetland area, then distributed t-shirts as a prize to the winners who have answered correctly. Later Discussed with students related to Wetlands and Creating New ideas for safeguarding available Wetlands near Powai.

There were 40 Students who also interacted with resource person and asked few questions.

The activity ended on a good note with an informative and interactive session.

Outcome

1. Students understood the importance of Wetland for Ecosystem.
2. Students understood the importance of Wetland for green environment.


G. S. YADAV

Dr. Avadhesh Yadav
Convenor, Student Council



Mr. Rajesh Maisalge
Convenor. Nature Club


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Student Council Department and Nature Club of Chandrabhan Sharma College Organizing
**OPEN PLATFORM FOR DISCUSSION AND CREATING NEW IDEAS FOR
SAFEGUARDING AVAILABLE WETLANDS NEAR POWAI.**

2nd FEB, 2023



GPS Map Camera
Mumbai, Maharashtra, India
Shri Chandrabhan Sharma College Powai Vihar
Complex, 4W83+J4X, MHADA Colony 20,
Powai, Mumbai, Maharashtra 400076, India




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Date: 30th March 2023

REPORT

On 29th March 2023, Nature Club in association with Techeco Waste Management LLP organized a seminar on Awareness about E-waste. The event aimed to spread awareness about the harmful effects of electronic waste on the environment and to promote sustainable practices in disposing of electronic devices.

The seminar was held in the college at classroom 704 and was attended by 56 students, faculty members. The event started with an introduction to the topic of e-waste by the club's president, who highlighted the growing concern about electronic waste and its impact on the environment.

The keynote speaker Mr. Bhushan and Ms. Pooja Lahare are from Techeco Waste Management LLP and e-waste expert, who provided an in-depth insight into the issue. They talked about the rapid growth in the use of electronic devices worldwide and the subsequent increase in the generation of e-waste.

The speaker explained how e-waste can be a major environmental hazard if not disposed of properly, and highlighted the risks posed by the toxic substances contained in electronic devices, such as lead, cadmium, and mercury. He also discussed the negative impacts of e-waste on human health and the ecosystem, including soil and water pollution.

The seminar also covered sustainable practices in disposing of electronic devices, such as recycling and reusing electronic components. The speaker emphasized the importance of responsible e-waste management and encouraged the audience to take action in their daily lives to reduce the generation of electronic waste.

The event concluded with a Q&A session, where attendees had the opportunity to ask questions and share their thoughts on the topic. Overall, the seminar was a great success in raising awareness about the issue of e-waste and promoting sustainable practices in disposing of electronic devices.


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In conclusion, the Nature Club's seminar on Awareness about E-waste was a great initiative towards promoting environmental sustainability in our college community. The event was informative and engaging, and the key takeaways on the importance of responsible e-waste management will undoubtedly benefit both individuals and the environment in the long run.

A handwritten signature in black ink, appearing to read 'Rajesh Maisalge'.

Mr. Rajesh Maisalge

Convener Nature Club

A handwritten signature in black ink, appearing to read 'A.S.'.

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The Nature Club in association with Techecho Waste Management LLP Organising

"AWARENESS ABOUT E-WASTE"

29th Mar, 2023



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Powai-Vihar, Powai, Mumbai - 400 076.
Tel. 022-45266020

Date: 22 May 2023

Report on “Biodiversity Day Webinar”

Nature Club organized a webinar on Biodiversity Day to raise awareness about the importance of biodiversity conservation and promote sustainable practices among students. The webinar aimed to highlight the significance of biodiversity, the threats it faces, and the actions individuals can take to protect and conserve it. This report provides a brief overview of the webinar, focusing on the online quiz organized during the event. 113 Students participated for the webinar.

As part of the World Biodiversity Day webinar organized by the Nature Club, an interactive quiz session was conducted to test the participants' knowledge and engage them in a fun and educational manner. The quiz aimed to reinforce the information shared during the presentations and encourage active participation. Participants were given a specific amount of time to answer the questions. This quiz session allowed participants to assess their understanding of Conservation of nature while promoting engagement and knowledge retention.

The webinar ended with a pleasant vote of thanks.

Outcome: The World Biodiversity Day awareness about the significance of biodiversity and the need for its conservation. The inclusion of an online quiz provided an interactive element, enabling participants to test their knowledge and deepen their understanding of biodiversity-related topics. By emphasizing the importance of individual actions, the webinar aimed to inspire the college community to become active participants in biodiversity conservation efforts.



Mr. Rajesh Maisalge
Convener, Nature Club



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Date: 23 May 2023

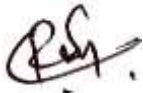
Report on "Turtle Day"

Nature Club organized a webinar on World Turtle Day to raise awareness about the importance of turtle conservation and highlight the incredible diversity and significance of these magnificent creatures on 23rd may 2023 on google meet. The webinar aimed to engage students in understanding the threats faced by turtles and exploring ways to protect their habitats. 66 Students participated for the webinar.

As part of the World Turtle Day webinar organized by the Nature Club, an interactive quiz session was conducted to test the participants' knowledge and engage them in a fun and educational manner. The quiz aimed to reinforce the information shared during the presentations and encourage active participation. Participants were given a specific amount of time to answer the questions. This quiz session allowed participants to assess their understanding of turtle conservation while promoting engagement and knowledge retention.

The webinar ended with a pleasant vote of thanks.

Conclusion: The World Turtle Day webinar successfully raised awareness about turtle conservation and generated a sense of responsibility among the participants. By showcasing the expertise of renowned speakers and captivating visuals, the event educated attendees about the plight of turtles and motivated them to take action. It is hoped that the knowledge gained from the webinar will inspire individuals to contribute towards protecting these remarkable creatures and their ecosystems.



Mr. Rajesh Maisalge
Convener, Nature Club



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of Arts, Commerce & Science

(Hindi Linguistic Minority Institution)

(Affiliated to the University of Mumbai)

*This is to certify that Mr./Miss. **Amit srikant maity***
*from **Tybfm** has participated in "Quiz Competition on World*
***Turtle Day**" conducted by Nature Club on 23/05/2023.*

Convener, Nature Club

Principal

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Tel. 022-45266020

Date: 31st May 2023

Report on “Anti-Tobacco Day”

Nature Club organised a webinar on Anti-Tobacco Day to commemorate Anti-Tobacco Day, a global initiative aimed at raising awareness about the harmful effects of tobacco and promoting a tobacco-free lifestyle. The event took place on 31st May, 2023 and attracted participants from various age groups. The primary objective of the event was to educate and empower individuals to make informed choices regarding tobacco use, raise awareness about the health risks associated with tobacco consumption, and advocate for effective tobacco control measures. 72 students participated in the webinar.

As part of the Anti Tobacco Day webinar organised by the Nature Club, an interactive quiz session was conducted to test the participants' knowledge and engage them in a fun and educational manner. The quiz aimed to reinforce the information shared during the presentations and encourage active participation. Participants were given a specific amount of time to answer the questions. This quiz session allowed participants to assess their understanding about the harm that tobacco causes.

The webinar ended with a pleasant vote of thanks.

Conclusion: The Anti Tobacco Day webinar successfully remains dedicated to promoting health, raising awareness, and advocating for effective tobacco control measures. We look forward to organising more impactful events in the future as we strive towards a healthier and smoke-free society.

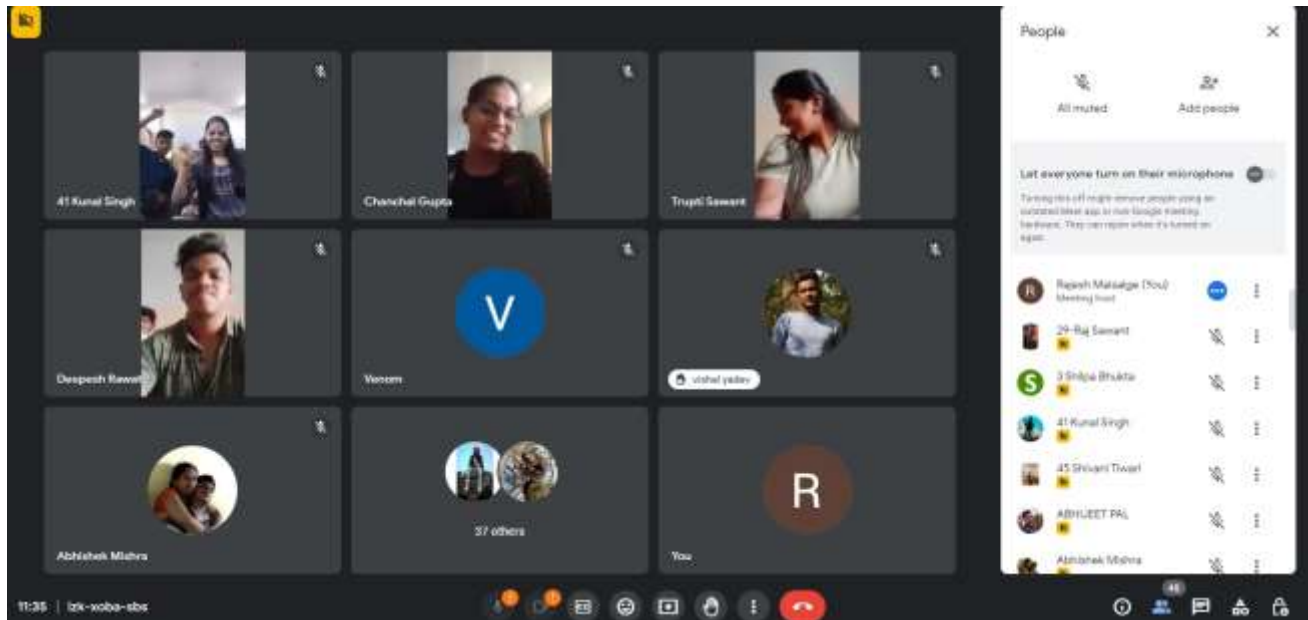


Mr. Rajesh Maisalge
Convener, Nature Club



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*This is to certify that Mr./Miss. **Vikas chauhan**
from Sy bcom has participated in "Quiz Competition on Anti
Tobacco Day" conducted by Nature Club on 31/05/2023.*

Convener, Nature Club

Principal

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13th October, 2022

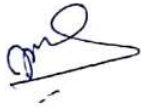
REPORT

Department of Bachelor of Commerce (2022-23)

Particulars	Description
Name of the event :	INTERNATIONAL DAY FOR NATURAL DISASTER REDUCTION
Date of the event :	12 th October, 2022
Time :	9:30 a.m. to 10:30 a.m
Venue :	Room no. 601
Stream / Class :	F.Y.B.Com
Faculty in charge :	Prof. Sharlet Bhaskar
Faculty members :	Prof. Krishnakant Pandey, Prof. Dr. Pratibha Jaywant and Prof. Neha Mishra
No. of Participants :	42


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No. of beneficiaries :	42
Resource Person :	Ms. Neha Mishra
Resource Person Details :	Assistant Professor
Description of the Event :	On this occasion our faculty Ms. Neha Mishra conducted a lecture for F.Y.B.Com students. The International Day for Disaster Risk Reduction was started to promote a global culture of risk-awareness and disaster reduction.
Outcome of the Event :	The main motive of observing this day and conducting the lecture was to acknowledge the progress being made toward preventing and reducing disaster risk and losses in lives, livelihoods, economies and basic infrastructure. Students found the lecture interesting and 42 students participated in this lecture and found the classroom activity to be very useful.



Ms. Sharlet Bhaskar

Coordinator – Department of Commerce



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Tel.: 022-25704526 / 25704530 Email: info@cscollege.co.in Web: www.cscollege.co.in

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**INTERNATIONAL DAY FOR
NATURAL DISASTER REDUCTION**

12th Oct, 2022




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CLEANING DRIVE OF KANJURMARG STATION

REPORT

IQAC & Department of Bachelor of Commerce (B.Com) in association with Sri Sathya Sai Seva Organization organized a “**Cleaning Drive of Kanjurmarg Station**” to spread the message of Swachata Se Divyata Tak on Saturday, 1st October, 2022.

The activity was organised by faculties, Mrs. Sharlet Bhaskar, Mr. Krishnakant Pandey, Dr. Pratibha Jadhav and Ms. Neha Mishra along with the volunteers of Sathya Sai Seva Organization.

Outcome: The main motive of this activity was:

1. Contribute to the community by cleaning up the station.
2. Develop among themselves a sense of social and civic responsibility.
3. Educate the students to be responsible, civic-minded, kind and caring citizens.
4. Develop competence required for collective existence and sharing of responsibilities.

22 students along with Prof. Krishnakant Pandey participated in this activity. The activity was a great success as students were very enthusiastic and were motivated to contribute towards this Institutional Social Responsibility.



(Co-ordinator)

Ms. Sharlet Bhaskar



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Sri Sathya Sai Seva Organisation

Mumbai



Dharmakshetra, Mahakali Caves Road, Andheri (E), Mumbai - 400093
Tel.: 91-22-28377999, 28234646

LOVE ALL SERVE ALLHELP EVER HURT NEVER

To,

24th September, 2022

The Principal,

EMAC Zone of Chandrabhan Sharma College of Arts, Science and Commerce
Mumbai.

Dear Madam,

The Sri Sathya Sai Seva Organization is conducting a Kanjurmarg station cleaning drive to spread the message of Swachata Se Divyata Tak on Saturday, 1st October, 2022. This activity will be conducted on Kanjurmarg station. The timing of the drive is from 9.00 AM- 12.00 PM.

Volunteers will be required to contribute towards this activity. We request you to offer this opportunity of seva to your students. Kindly ask the volunteers to provide us the details and participate in this activity. Registrations from the students for the same will be accepted on first cum first serve basis.

Thanking you,

For The Sri Sathya Sai Seva Organization

Karthik Ramakrishnan

9819170034



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Mumbai, Maharashtra, India

Ticket Counter for Local Trains, Kanjur Marg Railway Station, Nehru
Nagar, Kanjurmarg East, Mumbai, Maharashtra 400042, India
Lat 19.129488°

Long 72.928726°

01/10/22 09:58 AM GMT +05:30

GPS Map Camera



A handwritten signature in blue ink, appearing to be 'A.S.' or similar initials.

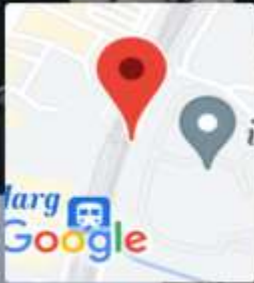
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Mumbai, Maharashtra, India

Ticket Counter for Local Trains, Kanjur Marg Railway Station, Nehru

Nagar, Kanjur Marg East, Mumbai, Maharashtra 400042, India

Lat 19.129485°

Long 72.928775°

01/10/22 09:57 AM GMT +05:30

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"Cleaning Drive of Kanjurmarg Station"

1st October, 2022




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Supporting Documents

(MOU)



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Tel. 25704526 / 25704530

Adi Shankaracharya Marg, Powai-Vihar, Powai, Mumbai - 400 076.
Tel.: 022 - 45266020, Email:- info@cscollege.co.in • Website :- www.cscollege.co.in

Memorandum of Understanding

This Memorandum of Understanding (hereinafter referred to as MOU) is made this 9th day of July 2018 between

Nisarg Swasthya Sansthan, a registered NGO, based in Powai, Mumbai, hereinafter referred to as "Nisarg"

And

Chandrabhan Sharma college of Arts, Commerce & Science, an Affiliated College, based in Powai, Mumbai, herein after referred to as "CSC"

NOW THIS MEMORANDUM OF UNDERSTANDING WITNESSETH AS UNDER:

1. Scope:

This MOU sets forth the intentions of the parties to increased collaborations, cooperations and interaction and does not create any legally binding commitments. If the parties later agree to undertake specific joint projects with legally binding obligations, they will develop separate written agreements for such projects, setting out each party's contributions.

2. THE PARTIES INTEND TO:

Strengthen the ties between "Nisarg" and the academia to make collaborative efforts in the field of Environmental Awareness and Health & Hygiene.

3. Roles and Responsibilities of Nisarg:

- To conduct awareness seminars and organise activities for Environmental protection and Health & Hygiene.
- Providing platform to students to participate or to undergo projects.
- Help College to promote Sustainable Development Practices.

4. Responsibilities of CSC :

- The college will allow "Nisarg" to conduct activities for promotion and creating awareness among students about the initiatives of "Nisarg"
- Motivate students to participate in various programs and tree plantation/other drives organised by "Nisarg".

5. Non Exclusivity

The relationship of the parties under this MOU shall be non-exclusive and both the parties, including their affiliates, subsidiaries, and divisions, are free to pursue other agreements or collaborations of any kind.

6. Validity and Termination

This MOU is for an initial period of 10 years and may be amended or terminated earlier by a mutually written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days prior written notice to the other party.

7. Assignment


It is understood by the Parties herein that this MOU is based on the professional competence and expertise of each party, and hence, neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.


8. Amendment

Amendments to this MOU may be made at any time through the mutually written consent by the parties concerned.

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.


Signed for and on behalf of
I/C PRINCIPAL
Chandrabhan Sharma College
of Arts, Commerce & Science
Powai-Vihar, Powai, Mumbai - 400 076.
Tel. 022-45266020


Signed for and on behalf of
Jai Singh Rawat
For **NISARG SWASTHYA SANSTHAN**

PRESIDENT,



ECO FRIEND INDUSTRIES

OFF.: 1ST Floor, EFI, A-205, TTC MIDC, Pawane, South Central Rd, Navi Mumbai - 400 710
TEL.: 022-2087 7020 / 2087 9021 / 22 FAX : 022 24222248
EMAIL : asrao@raoagroup.com WEB : www.ecofriendindustries.com / www.raoagroup.com

AGREEMENT E-WASTE COLLECTION POINTS

Dt: 11/01/2021

THIS AGREEMENT "E-WASTE COLLECTION BINS" is executed at Navi Mumbai on Dt: 11/1/2021

BETWEEN

M/s Eco Friend Industries, having its registered office at A205, TTC MIDC, South Central Rd. Pawane, Navi Mumbai 400710 Maharashtra, are in the Business of E-Waste, Electronic and Electrical Waste Collection, Transportation, Handling, Management, Recycling and Disposal hereinafter referred to as "EFI", which expression unless be repugnant to the context, shall mean and include successors and assigns of the One Part.

AND

[NAME] Chandrabhan Sharma college of
Having its registered office at [Address] ARTS, Commerce & Science
Powai Vihar Complex, Powai Mumbai-76

Having Bin/Bins to be installed at [Address]: See Annexure A.

hereinafter referred to as "PARTY", which expression unless be repugnant to the context, shall mean and include successors and assigns of the One Part.

PARTY is a:

- | | | | |
|--|--|-------------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> School/College | <input type="checkbox"/> Company/Corporate | <input type="checkbox"/> Society | <input type="checkbox"/> Club |
| <input type="checkbox"/> Mall | <input type="checkbox"/> Retailer/Shops | <input type="checkbox"/> Government | <input type="checkbox"/> NGO |
| <input type="checkbox"/> Others: _____ | | | |

Pollution due to E-Waste is becoming a growing concern for our Cities, due to the unauthorized handling of E-Waste by Bhangarwalas. Informed Individuals have the inclination to dispose E-Waste in an authorized manner but find it difficult to coordinate disposal of small quantities of E-Waste with a Recycling and Management Companies. Hence EFI and PARTY are coming together to provide a solution for the general consumer and generator of E-Waste.

Eco Friend Industries (EFI) is in the business of Electronic and Electrical Waste Management, Disposal and Recycling. Eco Friend Industries having its facility at

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ECO FRIEND INDUSTRIES

OFF.: 1ST Floor, EFI, A-205, TTC MIDC, Pawane, South Central Rd, Navi Mumbai - 400 710
TEL.: 022-2087 7020 / 2087 9021 / 22 FAX : 022 24222248
EMAIL : asrao@raoagroup.com WEB : www.ecofriendindustries.com / www.raoagroup.com

A205, TTC MIDC, Pawane, Navi Mumbai 400710 MAH India, Has been granted consent from MPCB/CPCB for the recycling of Electronic and Electrical Waste. Eco Friend Industries is in the business of Electronic and Electrical Waste Management, Disposal and Recycling since the year 2010. In the last 5 years we have provided efficient and eco friendly service to large Corporates like TCS, Godrej, Wipro etc; Large Government institutions like MTNL, HPCL, BPCL, RBI etc and NGOs like Stree Mukti Sanghatna, Swatch, Nirmal Welfare etc.

BRIEF

In this agreement EFI and PARTY shall jointly setup E-Waste Collection Bin in the PARTY's premises. Once the bin is filled with E-Waste the responsible person shall contact EFI, afterwhich EFI shall collect the E-Waste and dispose it as per the MPCB/CPCB guidelines.

NOTE: It shall be noted that the installation fee of a collection bin is Rs. 0.0 /- (in words) FREE

TERMS OF CONTRACT

Responsibilities of PARTY

1. INVESTMENT: PARTY shall have to pay a one time installation fee for the collection bin from EFI (NOTE: It shall be noted that the cost of a collection bin is Rs. 10,000/-)
2. PARTY shall provide 10sqft area of Property for setting up Collection Point at the mutually agreed location.
3. PARTY shall take responsibility that NO HAZARDOUS Material (Other than E-Waste) is added into the collection point.
4. When the Collection bin gets full the authorized person of PARTY must inform EFI for the collection of the material.
5. PARTY must protect the Bin against thieves, vandalizes.
6. PARTY need NOT pay EFI any disposal charges or collection fees of the EWaste generated from the Bin.

Responsibilities of Eco Friend Industries

1. It shall be noted that the Collection bin is the property of EFI.
2. EFI shall renew all its licenses and legal requirements as per the law of land.
3. EFI shall collect E-Waste promptly, within 72 hrs, as and when informed by PARTY's authorized person.
4. E-Waste shall be segregated, loaded and transported to EFI E-Waste Facility Navi Mumbai.

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5. E-Waste shall be handled and disposed as per guidelines and directives of E-Waste management and handling rules and MPCB/CPCB.
6. EFI shall not charge PARTY for the Collection, Transportation, Handling, Management, Recycling and Disposal of E-Waste Generated at the Collection Bin.
7. All authorized material collected, as E-Waste from the Collection Point shall be the property of EFI.
8. E-Waste Material generated from the bin cannot be disposed, traded or sold to any other service provider or Bhangarwala or another E-Waste solution provider.
9. There shall not be any monetary exchange with EFI for E-Waste material collected.
10. EFI shall procure all necessary insurance for risks that may arise in the process of transportation of E-Waste from Collection Bins to EFI's facility.
11. EFI shall have sole right over any revenue (Advertising, Marketing, Promotional, Creative, Any Other) that may be generated from the bin.
12. EFI shall not charge any Transportation / Freight for the E-Waste that will be collected from the Collection Bin.
13. EFI shall not charge any Labour Expense for the E-Waste that will be collected from the Collection Bin.
14. EFI shall issue PARTY
 - a. Green certificate of Disposal
 - b. Form 6 (Manifest Copy)
 - c. Photocopy of the entry of disposal in CPCB registration Pass book

Joint Responsibilities of PARTY and EFI

1. The bin shall be made available to all and not exclusive to the PARTY to benefit public interest.
2. PARTY/EFI shall make all promotion and awareness activity to the best of their abilities for the success of our project.

DURATION

1. The term of this Agreement will commence on the date of signing this Agreement and, unless earlier terminated as provided herein, will continue for Ten Years (10 Years).
2. Either Party may terminate this Agreement immediately on written notice at any time the other Party commits any irremediable material breach of this Agreement or for the avoidance of doubt, but without limitation, commits any remediable breach of this Agreement and fails to remedy such breach within a period of thirty (30) days from the service on it of a notice specifying the breach and requiring it to be remedied or, having so remedied.



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3. Either Party may terminate this Agreement, if a petition or application for winding up of the other Party has been admitted and a liquidator has been appointed or an order of bankruptcy or winding up or dissolution has been passed by competent courts.

CONFIDENTIALITY

Each Party shall keep this Agreement and all related information and correspondence provided to the other Party in strict confidence, and shall not disclose the same to any third party, except if required to be disclosed under Applicable Laws. For the purpose of this clause, Parties may enter into an appropriate confidentiality agreement.

FORCE MAJEURE

1. Force Majeure means any event or a combination of event that materially or adversely affect the performance of either Parties of its obligation ("Affected Party") of its obligations in whole or in part, pursuant to the terms of this Agreement but only to the extent that such event or circumstances are not within the Affected Party's reasonable control and have not been caused by willful neglect or act or omission of the Affected Party. The following events shall constitute Force Majeure: epidemic, nuclear emergency, earthquake, riot, war, acts of terrorist.
2. In the event Force Majeure continues unabated for an uninterrupted period of 30 days either Party has a right to terminate this Agreement by providing prior written notice.

GOVERNING LAW & COURT OF JURISDICTION

The E-Waste Collection Agreement shall be governed by Law applicable in the state of India and Courts situated at Mumbai, Maharashtra will have exclusive jurisdiction in any matter arising out the contract.

NOTE:

It is important to note that this agreement can work on basis of Good Faith, Dedication and Commitment. EFI and PARTY will make all promotion and awareness to the best of their ability for the complete success of the 'E-Waste Collection Bin' Project.

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NOTE:

ANNEXURE A:

Bin Installation Details:

No.	Location Name	Contact Person	Contact Person's Ph. No. / Cell No.	Email Id	Address
1	Powai Vihar complex	Principal	9920107030		Powai Vihar complex



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EMAIL : asrao@raoagroup.com WEB : www.ecofriendindustries.com / www.raoagroup.com

Sign:

Authorised Person: **Anand Mungumdar**

Title: **Accountant**

For and on behalf of M/s Eco Friend Industries

Stamp:



Date : **1/1/2021**

Place : **Navi Mumbai**

Sign:

Authorised Person:

Title:

PRINCIPAL

For and on behalf of PARTY **Chandrabhan Sharma College of Arts, Commerce & Science**

Stamp:



Date : **1/1/2021**

Place : **Mumbai**

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MEMORANDUM OF UNDERSTANDING

MEMORANDUM OF UNDERSTANDING (MOU) BETWEEN CHANDRABHAN SHARMA COLLEGE & YOUNG ENVIRONMENT PROGRAMME TRUST

This memorandum of understanding (MOU) is between the above mentioned both the parties. Since both the parties share a common interest in doing the welfare for the society and environment, therefore both the parties have decided to enter into a MOU, which will define the framework, Promotions, Awareness Campaigns, Curriculum project field work, social work, and the obligations shared by them.

Both Institutes agree and consent to the following terms for collaborative activities in the promotions among communities in recycling waste, upliftment of waste rag pickers status, engagement of student communities projects, academic enhancement of projects, knowledge partners in expanding communities behavioral change in waste management, R&D areas, social and implementation in SDG goals, areas of mutual interest, on a basis of equality and reciprocity. Sharing expertise and consultancy services by both the parties for webinars, seminars, and workshops in the concerned field.

Providing opportunities, basic skill and train for the same.

Provision for knowledge and information on partnership.

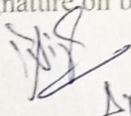
Authorized signature on behalf of Chandrabhan Sharma College

Signature:-

Name:-

Designation:-

Date:- 13/08/2021


Dr. Pratima Singh

I/c Principal



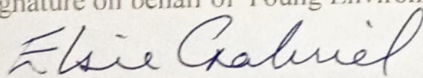
Authorized signature on behalf of Young Environmentalist Programme Trust

Signature:-

Name:-

Designation:-

Date:- 13/08/2021


Elsie Gabriel

ELSIE GABRIEL

Founder.

