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PREFACE

The Green audit of Adarsh Mahila Mahavidyalaya, Bhiwani was approved by team for a specific period of 2021 to 2022 The data was collected within this period. The Green audit was completed with the help of my team members support. Data had been collected for each gardens, prepare plant list, record the air quality, paper waste management, solid waste management, green belt area, awareness Activity record of the campus at previous years and updated year wise. We really appreciate Hon. Management of the college for encouraging us by providing this opportunity to do the Green audit and participate in the green and eco-friendly environment saving program. Through this, we have been cleared the vision of Institution towards the Green campus and save our nature. We really appreciate for various efforts taken by the College.

ACKNOWLEDGEMENT

The AMMB Green Audit team thanks the Management and the Principal of AMMB College, for entrusting us the green audit of their campus. We whole heartedly thank the teaching and non-teaching staff and students for their timely support rendered to the green audit team at different stages of the process that helped us to complete the audit in time. We also thank heads of various departments and the teacher in charge from each department for sharing documents and information in time. The support from different clubs and fora was adequate and timely.

GREEN AUDIT COMMITTEE

Teaching staff

<u>S.NO</u>	NAME	DESIGNATION	
1.	Dr.Suman	Coordinator of gardening and green club	
2.	Ms. Megha	As a assistant professor of botany	
3.	Ms.Sonu	As a assistant professor of botany	
4.	Ms.Manisha	As a assistant professor of botany	

Non teaching staff

> Mr. jai bhagwan

> Mr. shankar

STUDENTS

- Jyoti
- Priya
- Aayushi
- Supriya
- Pooja
- Monika
- Nikita
- Sonia
- Myurakshi
- Aarti
- Amisha
- Tanisha
- Shweta
- Chavvi
- Divya
- Parul

ABOUT INSTITUTE

Sr. No.	particulars	details
1.	Name of the institute:	Adarsh Mahila Mahavidyalaya, Bhiwani
2.	Address:	Hansi Gate, Bhiwani- 127021 Haryana State, India
3.	Affiliation:	Chaudhary Bansi Lal University Bhiwani
4.	Year of establishment:	1970
5.	NAAC Accrediation	B++
6.	Contact:	Phone: 01664-242414 Email: principalammb@gmail.com
7.	Courses offered:	B.A. B.Sc.(Medical) AIDED B.Sc.(Non-Medical) AIDED B.Sc.(Medical) SFC B.Sc.(Non Medical) SFC B.Sc.(Computer Science) SFC B.Com (Pass Course) AIDED B.Com(Pass Course) SFC B.Com(Vocational) B.Com(Computer Appalication

COLLEGE CAMPUS INFORMATION

College building has classrooms, well-equipped laboratories, a library and an auditorium. College Sports ground has indoor and outdoor games facilities. There are 4 gardens in the campus including an herbal garden. The area details of the College building is presented.

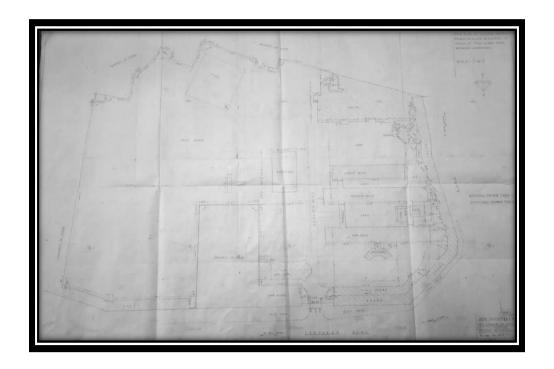
Facilities Details

Floor	Floor Facilities
Ground floor	Auditaurium, management office, principal office, office room, library, fine arts room, music department, botany lab, zoology lab, chemistry lab, physics lab, canteen, women cell, NSS department, 5 classrooms, 2 washrooms.
First floor	Computer laboratories, 15 classrooms, 2 washrooms, psychology department, home science, BCA department.
second floor	Water tank and solar panel.

SR.NO.	FACILITY	Area
1	Sport store	24.9' *17' = 423 Sq.ft
2	Sports room	36.9'*18' = 664.2 Sq.ft
3	Sports ground	129' * 158' = 20,382 Sq.ft
4	Basket ball ground	116'*71' =8,236 Sq.ft
5	Open gym	103'*46' =598 Sq.ft
6	Hostel	98'*64'' = 6,272 Sq.ft
7	Commerce block	110'*40' = 4,400 Sq.ft
8	management block garden	113'*35' = 3955 Sq.ft
9	O.D.Hall(auditorium)	128.3'*50' = 6,415 Sq.ft
10	management block	56.6'*33.8' = 1,913.08 Sq.ft
11	Tulsi garden	33.8'*27' = 912.6 Sq.ft
12	Main gate+Small gate	14'*8 ' =112 Sq.ft

13	Water tank road	24'*25'	= 600 Sq.ft
14	Admin block	252'*40'	= 10,080 Sq.ft
15	Garden	94'*34'	= 3,196 Sq.ft
16	Art block	255'*40'	= 10,200 Sq.ft
17	Science block	259'*40'	= 10360 Sq.ft
18	Canteen	44.5'*36'	= 1,602 Sq.ft
19	hostel inner area	230'*65'	= 14,950 Sq.ft
20	Mess	44'*36'	= 1,584 Sq.ft
21	Room & bathroom	62'*9'	= 558 Sq.ft

COLLEGE MAP



CONCEPT OF GREEN AUDIT...

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

The ICC defines Environmental Auditing as:

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

The outcome of Green Audit should be established with concrete evidence that the measure Green audit can be a useful tool for a college to determine how and where they are using the most energy or water or resources; the college can then consider how to implement changes and make savings. It can also be used to determine the type and volume of waste, which can be used for a recycling project or to improve waste minimization plan. It can also create health consciousness and promote environmental awareness, values and ethics. It provides staff and students better understanding of Green impact on campus.

Green auditing promote financial savings through reduction of resource use. It gives an opportunity for the development of ownership, personal and social responsibility for the students and teachers. Thus it is imperative that the college evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent. A clean and healthy environment aids effective learning and provides a conducive learning environment. There are various efforts around the world to address environmental education.

INTRODUCING THE NEED OF AUDIT

Rapid urbanization and industrialization at local, regional and global level can lead us to a situation that can be referred to as 'Environmental Poverty'. Adaptation of environmentally sound and sustainable practices like reforestation and ecological restoration are important elements in creating sustainable future for all humans in harmony with nature and its resources. Small steps at regional and local levels can accumulate into leading big improvements in the environment. Green audit aims to check green practices followed by University and to formulate the audit report to understand whether we stand safe on the scale of making environment sound and thriving in all aspects. It aims on analysing the activities that have direct or indirect effect on our environment and to oversee that it doesn't damage the environment. This audit allows faculty, students and other staff to understand the impact of their activities on the premises and implement changes to create health and environmental awareness and ethics.

VISION AND MISSION

Vision

To make the students be able to apply their knowledge in welfare of the society and environment and thus making them realise the true potential of their education and knowledge.

Mission of AMMB Institute

- •To give new age workforce to the country equipped with knowledge , confidence , ideas , innovative ways to make the nation more Atmanirbhar , strong and able to become 'The World Leader' again in all aspects.
- •To bring out the inner talents of the students.
- •To concentrate on the overall development of individuals to shape them as good citizens.
- •To instill confidence among the students to take up different jobs thus promoting the culture of self-employment.
- •To add moral, ethical, spiritual values in education at all levels.

OBJECTIVES OF AUDIT

The audit targets various dimensions from identifying, quantifying ,describing and prioritising framework of environment sustainability with application of regulations , policies and standards to make Earth a better place to live in for our future generation also.

Green audit targets-

- •To enhance awareness levels on environment management and sustainability.
- •To diagnose and find out solution for environmental problems.
- •To make sure that natural resources are utilised properly.
- •To study waste minimization and safe disposal of waste.
- •To monitor the waste generation ,energy consumption pattern of the college.
- To impart environmental management plans to the college
- To identify gap areas and suggest recommendations to improve green campus status of the college
- •To provide database for corrective actions and future plans.

METHODOLOGY

A questionnaire survey is conducted with physical inspection, observation, reviewing documentations, interviewing key persons to know about the existing resources of the campus and resource consumption pattern of the students and staffs in the college. Collected data is grouped, tabulated and analyzed. Finally a report concerning environmental management plan with strength, weakness and suggestion on the environmental issue of campus are documented.

The study covered following areas-

- Solid waste management
- E-waste
- Green area management
- Effect for carbon neutrality

SOLID WASTE MANAGEMENT

Solid Waste management is all about how solid waste can be changed and used as a valuable resource. Collection Waste means gathering it from where it is produced such as Cafeteria, departmental waste, paper waste, plant waste etc.

Types of waste:-

- Hostel waste-food waste (garbage), juice, vegetables rubbish-Consumable (Primary organic) Paper, cardboard, cartoon, wood, grass, leaves Nonconsumable-Primary inorganic metals, stones bricks, glass etc.
- > Ashes & Residues:-Waste obtained as free residues from cooking of food and heating of building
- > Bulky waste-Tree branches, furniture, dry leaves, other large appliances.
- Waste tree trimming and leaves.







COMPOST BIN







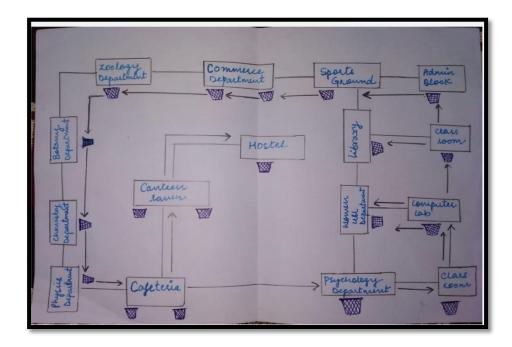
MANURE

POSITION OF WASTE

container collecting waste directly from canteen, hostel, department paper waste should be easily accessible to the collection team.

PATH OF COLLECTION

Establishing a collection route is important to save time and effort and to make sure the system run efficiently. Established a collection route to encourage a route of cleanliness in the college. Campus to plan the route so that it become short and simple as possible to managed the waste management.



COLLECTION ROUTE

Waste management:- Solid waste should be collected often enough to easily handle the amount beings produced.waste is collected on a daily basis from various sources and is separated as dry and wet waste.collecting the organic waste and further dump into the vermicomposting procedure for further decomposition and this manure is used for plants.

Suggestion for students and staff members- To reduce waste at institute, students and staff are educated on proper waste management practices through lectures, advertisements on notice board, displaying slogan boards in the campus.

E-WASTE GENERATION

E-waste is broadly comprised of discarded computers, monitors, motherboards, mobile phones and chargers, compact disc, headphones printed circuit boards(PCB), televisions etc.

E-waste makes up about 5% of all municipal solid waste worldwide but is more hazardous than any other waste because electronic components contain cadmium, lead ,mercury ,polychlorinated biphenyls(PCB) that can damage human health and the environment.

Observations:

E-waste generated in the campus is very negligible. The college has total of More than 80 Computers

(from all departments - B.com ,B.Sc. ,BCA) , 5 laptops, 7 printers, 01-xerox machine, 01 LCD Projector , 01 Scanner in working condition. The cartridges of printers are refilled and reused. Administration conducts the awareness programmes regarding E waste. The E- waste and defective item from computer laboratory is being stored properly.

Suggestions:

To reduce electronic waste at institute, students and staff are educated on proper electronic management practices through motivational lectures, workshops on how to handle properly electronic gadgets advertisement on notice boards, displaying slogan boards in the campus.

Treatment

Recovery and reuse. The functional parts of electrical and electronic instruments are recovered and reused.**Process-modification**. The e-waste is categorised based on their defects and process for future use. Electronic instruments from reputed companies are purchased which have better lifespan.

Effects for Carbon neutrality:

The institute makes the student aware of the Carbon Credits, Carbon Neutrality; its advantages etc. as a curriculum in the subject environmental awareness in the second year programme. Projects/assignments are also given to the students.

Goal of environmental auditing

Government of India through its National Environment Policy in 2006 has made mandatory for every organization to conduct green audit / environmental audit in order to ensure a clean and healthy environment within and outside the organization. Further, it also helps in effective learning and provides a conductive learning environment. Efforts are taking place around the world in order to address various environmental issues. Green auditing or environmental auditing is a step one amongst them focusing over educational institutions. Green auditing helps organization to understand various environmental issues of the organization and identify existing lacuna or gap towards meeting the objective of National Environmental Policy and thus, to plan accordingly.

Green area management

Gifting a plant is not only a meaningful and distinctive gesture, but it also allows you to inculcate positivity and determination among our guest . principal maam always welcome of guest during Any function the management and staff of the college use to gift the plater of plants for conveyed a message of green environment. Further, these natural plants have excellent stress-busting abilities and can suit any stature and lifestyle. our college area is immensely diverse with a variety of tree species performing a variety of functions. Most of these tree species are planted in different periods of time through various plantation programmes organised by the authority and have become an integral part of the college. The trees of the college have increased the quality of life, not only the college fraternity but also the people around of the college in terms of contributing to our environment by providing oxygen, improving air quality, climate amelioration, conservation of water, preserving soil, and supporting wildlife, controlling climate by moderating the effects of the sun, rain and wind. Leaves absorb and filter the sun's radiant energy,

keeping things cool in summer. Many spices of birds are dependent on these trees mainly for food and shelter. Nectar of flowers and plants is a favourite of birds and many insects. Leaf- covered branches keep many animals, such as birds and squirrels, out of reach of predators. Different species display a seemingly endless variety of shapes, forms, texture and vibrant colours. Even individual trees vary their appearance throughout the course of the year as the seasons change. They also remind us the glorious history of our institution in particular. We often make an emotional connection with these trees and sometime become personally attached to the ones that we see every day. A thick belt of large shady trees in the periphery of the college have found to be bringing down noise and cut down dust and storms.





Animals





Birds





Plants

GREEN CLUB

Green club is a platform on which we got the knowledge about environment. They offer programs lectures and activities to encourage others to reduce pollution, plant trees, and more. green club is a voluntary group which promotes the participation of students in learning about, and improving their environment. A green club is a means by which students and youth can organize themselves to learn more and this issue, and also take action to improve their immediate environment.

Aim:

Green club is a platform on which we got the knowledge about environment. The meaning of an green club in a group who works to contribute to improving environmental conditions.

objective:

- Motivate the students to keep their surroundings green and clean by undertaking plantation of trees.
- > Motivate students to imbibe the good habits and life style for minimum waste generation, source separation of waste and disposing the waste to the nearest storage point.
- Sensitize the students to minimize the use of plastic bags, not to throw them in public places as they choke drains and sewers, cause water logging and provide breeding ground for mosquitoes.
- Organize tree plantation programmes, awareness programmes such as Quiz, painting competitions, rallys, nukkad natak etc. essay, slogen writing regarding various environmental issues and educate children about re-use of waste material & preparation of products out of waste.

GREEN CODE OF CONDUCT



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Ref. No. AMMB/

Dated 10 8 21

Green Campus code of conduct for the session 2021-22

A Green Campus is where natural cordial practices and instruction consolidate to A Green Campus is where natural cordial practices and instruction consolidate to advance maintainable and eco-accommodating practices in the grounds. The green grounds idea offers an organization the chance to lead the pack in reclassifying its natural culture and growing new ideal models by making practical answers for ecological, social and monetary needs of humanity.

Objectives

- Understanding various environmental issues and the need to address them.
- Sensitizing people about the need for protection of the environment for a sustainable and healthy future.
- Instill a sense of responsibility for the environment and a personal commitment to protect and preserve the environment
- Ensure environment friendly practices in the college.

Clean Campus Initiatives

- Generating mass awareness on cleanliness and hygiene amongst students and staff members by holding regular cleanliness drives. The idea is to motivate them to contribute in a proactive manner.
- Activities under 'Swachh Bharat Abhiyan' will be a key component of all the community work being done by NSS, NCC and Green Society volunteers of the
- Staff Members will be encouraged to participate in the cleanliness drive in the college campus.
- Events such as Poster Making and Slogan Competitions, Essay Writing, Spoken Word Poetry, Speeches, Skits on 'Swachh Bharat' will be organised.
 Rallies on themes connected with 'Swachh Bharat Abhiyan' in and around the
- college campus will be conducted to create mass awareness.
- Remove all kinds of waste material like broken furniture, unusable equipment etc. Administer of the pledge by students and staff members to maintain cleanliness of the college campus and its surrounding areas on an annual basis.
- Conduct workshops on the 3Rs: Reduce, reusing and recycling of waste.

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NAAC Accredited B+



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Ref. No. AMMB/

10/8/21

Commit to managing waste and maintaining a clean campus especially during college events.

Waste Management Processes - Solid Waste Management

With its aim to provide holistic education that also has a positive impact on the environment, the college will adopt practices that will mitigate the generation, and manage solid waste through the following methods:

- Collect paper waste produced on campus and collaborate with scrap dealers for recycling.
- Ensure that all cleaning products used by college staff have a minimal detrimental impact on the environment
- Use two types of bins separately for biodegradable and non-biodegradable wastes in the college campus as well as in hostels
- · Minimize the use of fertilizers and pesticides in college grounds, opting for the use of compost produced on site wherever possible.
- Encourage the students and teachers to use emails for assignment submissions.
- Take initiatives to spread awareness amongst students about:
- Food wastage and ways of minimizing it
- Minimizing the use of packaged food
- The habit of reusing and recycling non-biodegradable products
- Organizing workshops for students on solid waste management.

Plastic-Free Campus

In view of the Government of India's resolution to ban all single use plastics due to the hazardous impact of plastic use and pollution, the college administration strictly bans the use of single use plastics in its premise to make it a 'Plastic Free Campus'.

Minimize consumption of water

Repair sources of water leakage, such as dripping taps and showers as quickly as

Install appliances which reduce water consumption.



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Website: www.adarshcollegebhiwani.com

Dated 10 8 21

Ref. No. AMMB/ Using an efficient and hygienic water storage mechanism is to minimize the loss of water during storage.

Environment Protection and Green & Clean Campus

The College makes all the necessary efforts to involve the students, faculty and staff in "Clean, Green and Eco-Friendly Initiatives" by designating a policy document to run this drive for the purpose of protecting Environment. The College is a quality conscious college. It protects its own environment with its green campus initiative and keeps pollution free campus. Environment development is its basic work with the educational policies implemented on the campus. Environmental conscious administration, the management and the students of the college look after the environment carefully. Every year, during the rainy season, we do tree plantation and carefully look after it. It's our own responsibility to preserve the work done on the campus related to the environment.

Our Environmental Policy:

- · To create awareness regarding environmental policy amongst the students and the teachers.
- · To sensitize the students and staff regarding the use of drinking water properly for which, we have provided purified (RO agua-guard) drinking water facilities on the campus.
- . To maximize the use of ICT and minimize the use of paper. It will help to go towards "Paperless Office".
- · To use the solid waste through vermin-compost on the campus and use it as a fertilizer.
- . To use "Use me" Dry and Wet dust bins in the college campus so as to keep the college campus clean.

Adarsh Mahila Mahavidyalaya Bhiwani



Best College declared by Govt, of Haryana. A Prestigious multi faculty Institution for quality education for women

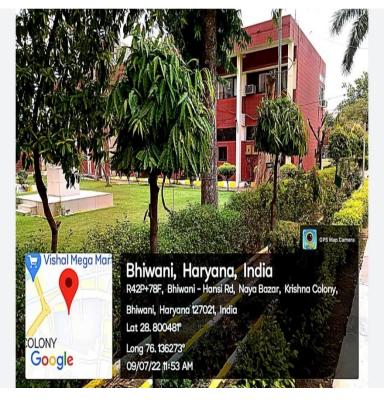
GREEN BELT AREA & BIO-DIVERSITY

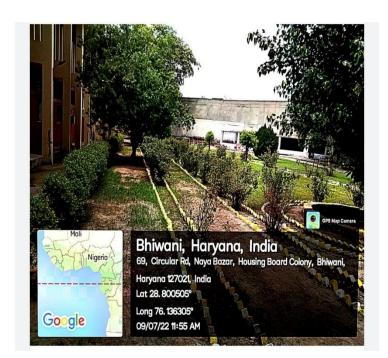
The Green Belt Area is meant for conservation of nature and aesthetic value of the college premises. The Green Area in the college includes the plants, greenery and sustainability of the campus to ensure that the buildings conform to green standards This also helps in ensuring that the Environmental Policy is enacted, enforced and reviewed using various environmental awareness programmes.

Observation

Campus is located in the vicinity of approximately different types of species flora and fauna. Various tree plantation programs are being organized at college campus through NSS unit. This program helps in encouraging eco-friendly environment which provides pure oxygen within the institute and awareness among villagers. The plantation program includes various types of indigenous species of ornamental and medicinal. Instead of maintaining biodiversity the similar species planted is observed for example "NEEM". The dominant species in green belt are Neem, Ashoka Tree, Mango Tree, Jack Fruit Tree.









Plant list

Sr.No.	Scientific Name	Number	Common Name	Family	Habit
1	Adenium obesum	1	Swiss cheese plant	Araceae	Herb
2	Aegle marmelos	8	Dracaena	Aspargaceae	Shrub
3	Albizia lebbeck	5	Areca Palm	Arecaceae	Tree
4	Aloe barbadensis	6	Desert Rose	Apocynaceae	Shrub
5	Araucaria angustifolia	1	Nag champa	Apocynaceae	Tree
6	Azadirachta indica	9	Crown of thorns	Apocynaceae	Herb
7	Bauhinia variegata	1	Flame of the wood	Rubiaceae	Shrub
8	Beaucarnea recurvata	12	Kaner	Apocynaceae	Tree
9	Bombax ceiba	2	Yucca Palm	Aspargaceae	Tree
10	Bougainvillea glabra	7	Butcher's broom	Aspargaceae	Shrub
11	Bryophyllum pinnatum	1	Giloy/Guduchi	Menispermaceae	Climber
12	Cactus	4	Money Plant	Araceae	Climber
13	Calendula officinalis	1	Coleus	Lamiaceae	Herb

15Carissa carandas7Rabish PalmArecaceaeTree16Cascabela thevetia6Curry patta/Meetha NeemRutaceaeTree17Cassia fistula32Christmas treeAraucariaceaeTree18Catharanthus roseus2Button CactusCactaceaeShrub19Cestrnum nocturnum1Sugar free PlantAsteraceaeShrub20Chrysanthemum2MotiyaOleaceaeShrub21Citrus limon2GuldavariAsteraceaeHerb22Crinum latifolium4Sago PalmCycadaceaeTree23Cycas revoluta2CactaceaeShrub24Dalbergia sissoo9Nolina palmAspargaceaeTree25Delonix regia12Chinese fan palmArecaceaeTree26Delphinium5Sudarshan/SukhdarshanAmaryllidaceaeHerb27Dianthus1ElaichiZingiberaceaeHerb28Dracaena12PetuniaSolanaceaeHerb29Dracaena fragrans540Ficus PandaMoraceaeTree30Dracaena marginata343Desi roseRosaceaeShrub31Dypsis lutescens1SolanaceaeHerb32Elaeocarpus23JuniperCupressaceaeShrub33Eletaria cardamomum27Bottle palmArecaceaeTree34Emblica officinalis	14	Callistemon	14	English Rose	Rosaceae	Shrub
Neem	15	Carissa carandas	7	Rabish Palm	Arecaceae	Tree
18Catharanthus roseus2Button CactusCactaceaeShrub19Cestrnum nocturnum1Sugar free PlantAsteraceaeShrub20Chrysanthemum2MotiyaOleaceaeShrub21Citrus limon2GuldavariAsteraceaeHerb22Crinum latifolium4Sago PalmCycadaceaeTree23Cycas revoluta2CactaceaeShrub24Dalbergia sissoo9Nolina palmAspargaceaeTree25Delonix regia12Chinese fan palmArecaceaeTree26Delphinium5Sudarshan/SukhdarshanAmaryllidaceaeHerb27Dianthus1ElaichiZingiberaceaeHerb28Dracaena12PetuniaSolanaceaeHerb29Dracaena fragrans540Ficus PandaMoraceaeTree30Dracaena marginata343Desi roseRosaceaeShrub31Dypsis lutescens1InjunerCupressaceaeShrub32Elaeocarpus23JuniperCupressaceaeShrub33Elettaria cardamonum27Bottle palmArecaceaeTree34Emblica officinalis7Desi GurhalMalvaceaeShrub35Epipremum aureum7English GurhalMalvaceaeShrub36Epithelantha micromeris294PoppyPapaveraceaeHerb37Eucal	16	Cascabela thevetia	6		Rutaceae	Tree
19Cestrnum nocturnum1Sugar free PlantAsteraceaeShrub20Chrysanthemum2MotiyaOleaceaeShrub21Citrus limon2GuldavariAsteraceaeHerb22Crinum latifolium4Sago PalmCycadaceaeTree23Cycas revoluta2CactaceaeShrub24Dalbergia sissoo9Nolina palmAspargaceaeTree25Delonix regia12Chinese fan palmArecaceaeTree26Delphinium5Sudarshan/SukhdarshanAmaryllidaceaeHerb27Dianthus1ElaichiZingiberaceaeHerb28Dracaena12PetuniaSolanaceaeHerb29Dracaena fragrans540Ficus PandaMoraceaeTree30Dracaena marginata343Desi roseRosaceaeShrub31Dypsis lutescens1Soltite palmArecaceaeShrub31Dypsis lutescens1Soltite palmArecaceaeTree34Emblica officinalis7Desi GurhalMalvaceaeShrub35Epipremnum aureum7English GurhalMalvaceaeShrub36Epithelantha micromeris294PoppyPapaveraceaeHerb37Eucalyptus globulus80Calendula/Pot MarigoldAsteraceaeHerb39Ficus benjamina51AshokaFabaceaeTree	17	Cassia fistula	32	Christmas tree	Araucariaceae	Tree
20Chrysanthemum2MotiyaOleaceaeShrub21Citrus limon2GuldavariAsteraceaeHerb22Crinum latifolium4Sago PalmCycadaceaeTree23Cycas revoluta2CactaceaeShrub24Dalbergia sissoo9Nolina palmAspargaceaeTree25Delonix regia12Chinese fan palmArecaceaeTree26Delphinium5Sudarshan/SukhdarshanAmaryllidaceaeHerb27Dianthus1ElaichiZingiberaceaeHerb28Dracaena12PetuniaSolanaceaeHerb29Dracaena fragrans540Ficus PandaMoraceaeTree30Dracaena marginata343Desi roseRosaceaeShrub31Dypsis lutescens1Tolesi GurhalArecaceaeShrub33Elettaria cardamomum27Bottle palmArecaceaeTree34Emblica officinalis7Desi GurhalMalvaceaeShrub35Epipremnum aureum7English GurhalMalvaceaeShrub36Epithelantha micromeris294PoppyPapaveraceaeHerb37Eucalyptus globulus80Calendula/Pot MarigoldAsteraceaeHerb38Euphorbia milli180MarigoldAsteraceaeHerb39Ficus benghalensisTreeTree	18	Catharanthus roseus	2	Button Cactus	Cactaceae	Shrub
21Citrus limon2GuldavariAsteraceaeHerb22Crinum latifolium4Sago PalmCycadaceaeTree23Cycas revoluta2CactaceaeShrub24Dalbergia sissoo9Nolina palmAspargaceaeTree25Delonix regia12Chinese fan palmArecaceaeTree26Delphinium5Sudarshan/SukhdarshanAmaryllidaceaeHerb27Dianthus1ElaichiZingiberaceaeHerb28Dracaena12PetuniaSolanaceaeHerb29Dracaena fragrans540Ficus PandaMoraceaeTree30Dracaena marginata343Desi roseRosaceaeShrub31Dypsis lutescens132Elaeocarpus23JuniperCupressaceaeShrub33Elettaria cardamomum27Bottle palmArecaceaeTree34Emblica officinalis7Desi GurhalMalvaceaeShrub35Epipremnum aureum7English GurhalMalvaceaeShrub36Epithelantha micromeris294PoppyPapaveraceaeHerb37Eucalyptus globulus80Calendula/Pot MarigoldAsteraceaeHerb38Euphorbia milli180MarigoldAsteraceaeHerb39Ficus benghalensisTree	19	Cestrnum nocturnum	1	Sugar free Plant	Asteraceae	Shrub
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25Delonix regia12Chinese fan palmArecaceaeTree26Delphinium5Sudarshan/SukhdarshanAmaryllidaceaeHerb27Dianthus1ElaichiZingiberaceaeHerb28Dracaena12PetuniaSolanaceaeHerb29Dracaena fragrans540Ficus PandaMoraceaeTree30Dracaena marginata343Desi roseRosaceaeShrub31Dypsis lutescens1CupressaceaeShrub32Elaeocarpus23JuniperCupressaceaeShrub33Elettaria cardamomum27Bottle palmArecaceaeTree34Emblica officinalis7Desi GurhalMalvaceaeShrub35Epipremnum aureum7English GurhalMalvaceaeShrub36Epithelantha micromeris294PoppyPapaveraceaeHerb37Eucalyptus globulus80Calendula/Pot MarigoldAsteraceaeHerb38Euphorbia milli180MarigoldAsteraceaeHerb39Ficus benjamina51AshokaFabaceaeTree	23	Cycas revoluta	2		Cactaceae	Shrub
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31Dypsis lutescens132Elaeocarpus23JuniperCupressaceaeShrub33Elettaria cardamomum27Bottle palmArecaceaeTree34Emblica officinalis7Desi GurhalMalvaceaeShrub35Epipremnum aureum7English GurhalMalvaceaeShrub36Epithelantha micromeris294PoppyPapaveraceaeHerb37Eucalyptus globulus80Calendula/Pot MarigoldAsteraceaeHerb38Euphorbia milli180MarigoldAsteraceaeHerb39Ficus benghalensisFicus benjamina51AshokaFabaceaeTree	29	Dracaena fragrans	540	Ficus Panda	Moraceae	Tree
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33 Elettaria cardamomum 27 Bottle palm Arecaceae Tree 34 Emblica officinalis 7 Desi Gurhal Malvaceae Shrub 35 Epipremnum aureum 7 English Gurhal Malvaceae Shrub 36 Epithelantha 294 Poppy Papaveraceae Herb 37 Eucalyptus globulus 80 Calendula/Pot Marigold Asteraceae Herb 38 Euphorbia milli 180 Marigold Asteraceae Herb 39 Ficus benghalensis 40 Ficus benjamina 51 Ashoka Fabaceae Tree	31	Dypsis lutescens	1			
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35 Epipremnum aureum 7 English Gurhal Malvaceae Shrub 36 Epithelantha 294 Poppy Papaveraceae Herb 37 Eucalyptus globulus 80 Calendula/Pot Marigold Asteraceae Herb 38 Euphorbia milli 180 Marigold Asteraceae Herb 39 Ficus benghalensis 40 Ficus benjamina 51 Ashoka Fabaceae Tree	33	Elettaria cardamomum	27	Bottle palm	Arecaceae	Tree
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38 Euphorbia milli 180 Marigold Asteraceae Herb 39 Ficus benghalensis 51 Ashoka Fabaceae Tree	36	· '	294	Рорру	Papaveraceae	Herb
39 Ficus benghalensis 40 Ficus benjamina 51 Ashoka Fabaceae Tree	37	Eucalyptus globulus	80	Calendula/Pot Marigold	Asteraceae	Herb
40 Ficus benjamina 51 Ashoka Fabaceae Tree	38	Euphorbia milli	180	Marigold	Asteraceae	Herb
· · ·	39	Ficus benghalensis				
41 Ficus religiosa 6 Rudraksha Elaeocarpaceae Tree	40	Ficus benjamina	51	Ashoka	Fabaceae	Tree
	41	Ficus religiosa	6	Rudraksha	Elaeocarpaceae	Tree

42	Ficus retusa	5	Desi junipers	Cupressaceae	Tree
43	Hibiscus	80	Larkspur	Ranunculaceae	Herb
44	Hibiscus rosa-sinensis	10	Sadabahar	Apocynaceae	Shrub
45	Holoptelea integrifolia	7	Bougainvillea /paperflower	Nyctaginaceae	Climber
46	Hyophorbe lagenicaulis	7	Morpankhi	Cupressaceae	Tree
47	Ixora coccinea	5	Champa	Apocynaceae	Tree
48	Jasminum	2	Marwa	Lamiaceae	Herb
49	Jasminum sambac	8	Wood apple/Bael patar	Rutaceae	Tree
50	Jatropha curcas	2	Barbados nut, poison nut, bubble bush or purging nut.	Euphorbiaceae	Tree
51	Juniperus	4	Patharchat	Crassulaceae	Herb
52	Juniperus indica	1	Red Edge Dracaena	Aspargaceae	Shrub
53	Kalanchoe blossfeldiana	1	Green Dracaena	Aspargaceae	Shrub
54	Lagestonia	10	Aloevera	Asphodelaceae	Herb
55	Livistona chinensis	1	Lajwanti/Chhui-Mui	Fabaceae	Herb
56	Mangifera indica	16	Neem	Meliaceae	Tree
57	Manilkara zapota	6	Java plum/Jamun	Myrtaceae	Tree
58	Mimosa pudica	2	Mango	Anacardiaceae	Tree
59	Mimusoups elengi	2	Mulberry	Moraceae	Tree
60	Monstera	4	Bottle Brush	Myrtaceae	Tree
61	Morus alba	5	Lemon	Rutaceae	Tree
62	Murraya koenigii	6	Chandni	Apocynaceae	Tree
63	Neolamarckia cadamba	2	Chikoo	sapotaceae	Tree
64	Nyctanthes arbor- tristis	5	Kalanchoe	Crassulaceae	Herb
65	Ocimum sanctum	1	Karonda	Apocynaceae	Shrub
66	Origanum majorana	1	Anar	Punicaceae	Shrub
67	Papaver somniferum	1	Kachnar	Fabaceae	Tree
68	Petunia	1	Kadamb	Rubiaceae	Tree
69	Platycladus orientalis	2	Amla	Euphorbiaceae	Tree
				1	1

70	Plectranthus	5	Amrud	Myrtaceae	Tree
	scutelloroides				
71	Plumeria alba	6	Jungle cork tree/Papdi	Ulmaceae	Tree
72	Plumeria pudica	1	Kasia/Sena	Fabaceae	Tree
73	Prosopis cineraria	2	Arjun	Combretaceae	Tree
74	Psidium guajava	1	Banyan tree	Moraceae	Tree
75	Punica granatum	1	Eucalyptus/Safeda	Myrtaceae	Tree
76	Rhapis excelsa	2	Janti	Fabaceae	Tree
77	Rosa cultv. 'The Shepherdess	4	weeping fig/Ficus	Moraceae	Tree
78	Rosa moschata	7	Peepal	Moraceae	Tree
79	Ruscus aculeatus	3	Sheesham	Fabaceae	Tree
80	Saraca asoca	4	Teak/Sagwan	Lamiaceae	Tree
81	Stevia rebaudiana	2	Siris	Fabaceae	Tree
82	Syzygium cumini	1	Semal	Malvaceae	Tree
83	Tabernaemontana divaricata	30	Tulsi	Lamiaceae	Herb
84	Tagetes erecta	1	Gulmohar	Fabaceae	Tree
85	Tecoma stans	1	Tecoma/Yellow trumpet	Bignoniaceae	Shrub
86	Tectona grandis	2	Chameli	Oleaceae	Tree
87	Terminalia arjuna	1	Raat ki Rani	Solanaceae	Shrub
88	Tinospora cordifolia	2	Harsingar	Oleaceae	Tree
89	Yucca brevifolia	9	Molshree	Sapotaceae	Tree

BOTANICAL GARDEN









BOTANICAL LIST

Sr.No	Scientific	Number	Common name	Family	Habit
	Name				
1	Aloe barbadendis	10	Aloevera	Asphodelaceae	Herb
2	Araucaria angustifolia	7	christmas tree	Araucariaceae	Tree
3	Bryophyllum pinnatum	4	Patharchat	Crassulaceae	Herb
4	Cineraria	150	Cineraria	Asteraceae	Herb
5	Crinum latifolium	4	Sudarshan/Sukhdarshan	Amaryllidaceae	Herb
6	Dianthus	2	Dianthus	Caryophyllaceae	shrub
7	Dieffenbachia	1	Dumb cane	Araceae	Herb
8	Dracaena fragrans	1	Green Dracaena	Aspargaceae	shrub
9	Dracaena marginata	1	Red edge Dracaena	Aspargaceae	shrub
10	Dracaena trifasciata	2	snake plant	Asparagaceae	shrub
11	Dypsis lutescens	1	Areca palm	Arecaceae	Tree
12	Euphoria milli	4	Euphorbia	Euphorbiaceae	Herb
13	Ficus retusa	3	Ficus panda	Moraceae	shrub
14	Hibiscus rosa sinensis	1	Gurhal	Malvaceae	shrub
15	Kalanchoe sp.	2	Kalanchoe	Crassulaceae	Herb
16	Mimosa pudica	1	Lajwanti/chhui-mui	Fabaceae	Herb
17	Monstera deliciosa	1	Monstera	Araceae	Herb
18	Rhapis excelsa	4	Rabish palm/bamboo palm	Arecaceae	Tree
19	Rosa indica	8	Rose	Rosaceae	Shrub

INDOOR PLANT





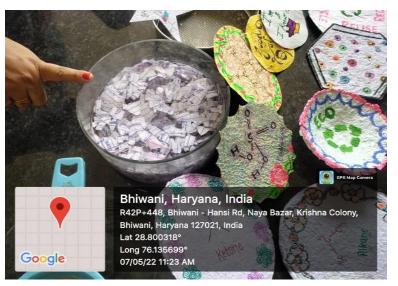




PAPER WASTE MANAGEMENT:

Being an academic institution, waste paper is one of the main solid wastes generated in the premises. College has taken steps to minimise and avoid paper usage.

- a) Prints and photocopies are taken on both sides of the paper to avoid excess paper usage. Rather than photocopy, digitalisation (scanning) is practised.
- b) College has one floor library with 80,533+ books; journals, magazines, newspapers are also available in the library. Library has an e-book facility having 6000+ e-journals. Four computers are provided in the library to access online services.
- c) Internal notices and communications are through e-mail/ WhatsApp. College has a Learning Management System (LMS) where notices are sent, exam results are displayed and attendance is recorded digitally.
- d) Paper recycled is used for laboratory work. Remaining paper waste is sent to local vendor for recycling. The dissertation reports, journals and answer papers are stored as per the University.





PLASTIC WASTE MANAGEMENT:

College strictly follows the guidelines regarding plastic usage and has prohibited the use of single use plastic e.g. carry-bags, glasses, spoons etc., in the campus. staff members always conduct the awareness program to use only jute bags.

b) As per the College guidelines, Canteen Contractor is prohibited to use plastic cutlery, instead paper plates and wooden spoons are used.





GOOD DAY LIGHT DESIGN AND VENTILATION

- a) Classrooms, laboratories, offices, library etc. have high ceiling, wide doors and large windows.
- b) Building is designed in such a way that corridors and classrooms receive ample sunlight. Curtains are provided for laboratory windows to avoid glare. Natural light in the classrooms was about 70-85 lux.
- c) Ventilation in classrooms is facilitated by windows and fans. Cross ventilation is facilitated due to large windows on both sides of some classrooms. Air conditioners are used in offices, computer laboratories and computer server rooms.
- d) Exhaust fans are provided in washrooms, Botany, physics, chemistry and zoology laboratories.





GOOD DAY LIGHT AND VENTILATION

DUSTBIN IN CAMPUS AREA



GREEN CLUB AWARENESS ACTIVITIES

Sr.no.	Title of activity	Issue address	date
1.	World wetland celebration.	On wetland day convey the information solve the problem of environment	2Feb. 2021
2.	Vanmahotsav celebration.	Tree plantation	15Jul 2021
3.	Go green.	Convey the message to clean and green environment	29Mar 2022
4.	Slogan writing completion.	Keep your earth green and clean	22Apr 2022

GREEN CLUB &CTIVITIES PIC



World Wetland Celebration



World Wetland Celebration



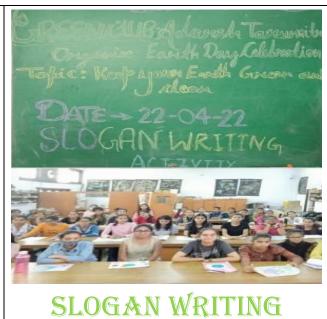
GO GREEN



GO GREEN





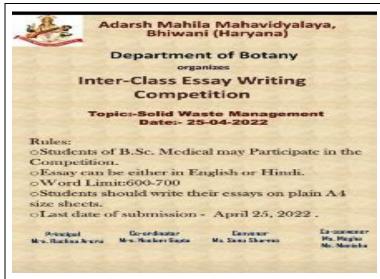


AWARENESS ACTIVITY

Sr.no.	Title of activity	Issue address	Date
1.	Swachta abhiyan	Remove plastic from waste	7Dec 2021
2.	Lecture on grow of plant on low cost	Convey the message to grow and care of	
1		plant	11Dec 2021
3.	Door to door compaign	Environment cleanliness	1Jan 2022
4.	Science model exhibition National	Energy conservation and green	
	science day	computing	28Feb 2022
5.	webinar on taxonomy	Identify and classified of plant species	
			9Feb 2022
6.	Solid waste management	Segregation and use of clean the campus	
			21Feb 2022
7.	Rangoli competition	Use of non edible plant part	
			27Feb 2022
8.	Global warming	Poster making competition	28Feb 2022
9.	Ozone layer depletion	Vebinar on environment problem to	4Mar 2022
		solve cause of ozone layer	
10.	Energy and water conservation	To convey the message conserved the	28Mar 2022
		energy and water and reduce the	
		environmental issue	

11.	Waste segregation	Use of dustbin segregate of biodegradable and non biodegradable	26Mar 2022
12.	Car free day	World heritage day	18 Apr 2022
13.	Electronic waste management	Poster making competition	9Apr 2022
14.	Say no to plastic	Poster making competition	22Apr 2022
15.	Essay writing comptetion	Solid waste management	25Apr 2022
16.	Cycle race	To convey the message to pollution free earth	22Apr 2022
17.	Interclass essay writing competition	By use of waste material to conserve eco- friendly environment	24Apr 2022
18.	Workshop under paryaas programme- skill enhancement programme	By use of waste material to conserve eco- friendly environment	4May to 10May 2022
19.	First day woolen articles are prepared by students Preparation vertical garden	By use of waste material to conserve eco- friendly environment	4May 2022
20.	Second day student prepared pop base articles, flower pots	By use of waste material to conserve eco- friendly environment	5May 2022
21.	Third day student prepared jute articles by using of bori's and sutli prepared different material	By use of waste material to conserve eco- friendly environment	6May 2022
22.	Fourth day student prepared macrame article of mirror macraine material	By use of waste material to conserve eco- friendly environment	7May 2022
23.	Student prepared paper bag by using of waste paper, ice cream stick stand by using of waste stick	By use of waste material to conserve eco- friendly environment	8May 2022
24.	in fifth day, student mainly prepared vermicompost by using waste vegetable waste	By use of waste material to conserve eco- friendly environment	9May 2022
25.	Last day of work shop final finishing touch to vertical garden and prepared small fabricitem bracelets, bangles exhibition of all the article in botany department	By use of waste material to conserve eco- friendly environment	10May 2022
26.	World environment day celebration	Tree plantation	5June 2022
27.	Haritma utsav	Tree plantation	16July 2022

AWARENESS ACTIVITY PIC



essay writing competition on solid waste management



Workshop On Waste Segregation



Workshop On Waste Segregation



Swachata Abhiyan



Swachata Abhiyan



Swachata Abhiyan



Swachata Abhiyan



Lecture On Grow Of Plant On Low Cost



Poster Making Say No To Plastic



Tree Plantation On Environmental Day



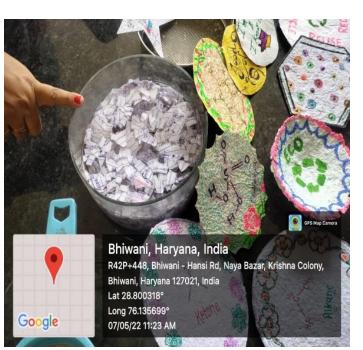
Awareness Camping On Say No To Plastic



Awareness Camping On Say No To Plastic



Say No To Plastic



Paper Waste Management







Skeleton Leaf Formation



Skeleton Leaf Formation



Skeleton Leaf Formation



Science Model Competition



Science Model Competition



Science Model Competition



Science Model Competition



Webinar On Taxonomy For Beginners



Car Free Day



Vertical Garden



Swachata Abhiyan





Poster Making Global Warming



Poster Making Global Warming



Poster Making Global Warming



Lecture On Solid Waste Management



Lecture On Solid Waste Management



Poster Making For E-Waste Management



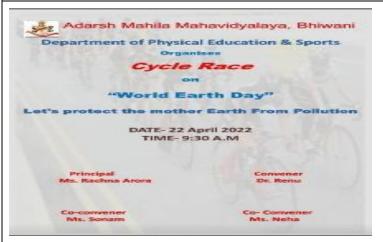
Slogan Writing Competition Keep Your Earth Clean



Slogan Writing Competition Keep Your Earth Clean



Slogan Writing Competition Keep Your Earth Clean



Cycle Race



Cycle Race



Nukkad Natak



Awareness Rally On Save The Electricity



Awareness Rally On Save The Electricity



Awareness Rally On Save The Electricity



Tree Plantation



Rangoli Competition Use Of Non plant Edible Part



Rangoli Competition Use Of Non plant Edible Part



Paryaas Program



Paryas Program



Paryas Program



Paryas Program



Paryas Program







Paryas Program



Paryas Program

Haritima Utsav



Haritima Utsav

Environment Day Celebration



oath ceremony and nukkad natak



Environment Day Celebration



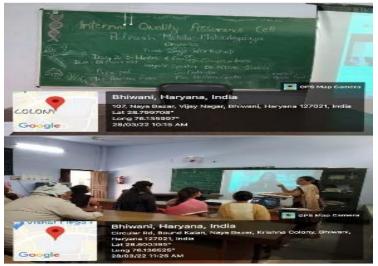
Haritma utsav



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Environment Day Celebration



lecture on water & conservation





REVIEW GIVEN BY GARDENER













Question. How many plants are there in college?

Answer. 89 varieties.

Question. How many types of plants are there in college?

Answer. Rose, cassia, pinus, cycas, platycladus, ashoka, champa, rudraksh, raat ki rani, peepal,

belgiri, neem, china palm.

Question. Seasonal plants in college?

Answer. Marigold, petunia, dianthus, necticium, ice hower, pansy, gajania, coris.

Question. What is cutting?

Answer. Roses are cutting. A cutting is a piece of stalk that you cut from a plant and use to

grow a new plant.

Question. How many times a day should the plant be watered?

Answer. Once in a day.

Question. What fertilizer put in the plant?

Answer. Dung manure.

Question. What to do if there are insect in the tree or plant?

Answer. According to instruction pour melethine.

Question. How often should be cut in the rain?

Answer. Once in week in rainy season.

Question. How to care of grass?

Answer. Insecticide spray, digging and cutting at time.

Question. About cutting?

Answer. Make the design by smaller by making the plant smaller.

Question. How often should be applied?

Answer. Once in six months.

Video link

https://drive.google.com/file/d/1uFx4lIFZ4zB9J2NpySghTSlkf4a1JnF1/view?usp=drivesdk https://drive.google.com/file/d/1uPz2rzvXQS7jGGVVazLuV_m64jQHhokh/view?usp=drivesdk

ENVIRONMENTAL EDUCATION

The following environmental education programmes may be implemented in the college before the next green auditing:-

Training programmes in solid waste management, liquid waste management, setting up of biodiversity garden, tree management, medicinal plant nursery, butterfly garden, vegetable cultivation, water management, energy management, landscape management, pollution mitigation methods, and water filtration methods.

- ➤ Display of environmental awareness board such as Save water, save electricity, No wastage of food/water, no smoking, switch off light and fan after use, plastic free campus etc.
- Give priority to environmental clubs and its programmes.
- > Set up model rainwater harvesting system, vegetable garden, medicinal plant garden, herbal garden etc.
- Conduct exhibition on throw away plastic danger, recyclable products etc.
- Display various slogans and pictures to protect environment.
- ➤ Different coloured waste bins to segregate waste and its easy collection.

CONCLUSION:

Due to minimum consideration for environment & sustainability, the world is facing problems of ozone depletion, climate change, water scarcity and sustainable resource management. College organises guest lectures on environmental conservation, biodiversity etc. every year. College has demonstrated consistent commitment towards nature and environment for the last 5 years. College has 'Green club' and the Garden Committee which offers wide spectrum of environmental and nature activities and platforms to enhance awareness and exhibit the relationship with nature. The National Service Scheme (NSS) and National Cadet Corps (NCC) of the college undertakes projects for environment, rural development, education awareness, healthcare, etc. Various activities like cleanliness drive, tree-plantation, seminars and workshops are organised by 'Green club'/ Garden Committee/ NCC/ NSS increase the awareness and sensitivity among students and faculty. Students also participate in innovative work. In the current scenario when academic activities are taking place virtually, College arranges webinars, online education talk pertaining to environment. Records of all activities are being maintained by the College which were available for review.

RECOMMEND&TIONS

- Promote environmental awareness as a part of course work in various curricular activities area.
- ➤ Celebrate everyyear5th june as environment day and plane tree in this day to make the campus more green.
- Indoor plantation to inculcate interest in student, bonsoi can planted in cooridoor to bond a relation with nature.
- Artificial nests and water pots are recommended to attract different birds in their migrating and breeding season.
- Watering schedule to be planned according to season.
- Awareness for energy and water conservation among students and staff of displaying board.
- E- waste management system need to be adopted.
- > Students and staff take initiative to start live campus discussion in group where green conservation and awareness shall be the much agenda.

ACTION PLAN

The students and staff who are active in green related activities have a clear vision about how and what should be planned for a greener campus. They think that planting of more saplings during the world environment day would cater more awareness and enthusiasm in students who join afresh each year. The college is also planning to initiate plant a tree/adopt a tree program where each student will be planting a sapling and taking care of it during his or her stay in the college. Although the college follow a university curriculum by implementing several such awareness program in their academic and nonacademic activities promote more students turn to green activities.

- a) Adopt the proposed Environmentally Responsible Purchasing Policy, and work towards creating and implementing a strategy to reduce the environmental impact of its purchasing decisions.
- b) Increase recycling education on campus.
- c) IQAC team time to time organise program to Increase Awareness of Environmentally Sustainable Development.
- d) Preparation of herbal and vertical garden under process.
- e) IQAC team organization every year tree plantation program one student one tree they collectoration with stand with nature committee to save environment.
- f) Drip irrigation is strongly recommended to conserve the water.

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Adarsh Mahila Mahavidyalaya, BHIWANI-127021

Affiliated to Chaudhary Bansi Lal University, Bhiwani (NAAC Accredited B+)

Best College declared by Govt. of Haryana. A Prestigious multi faculty Institution for quality education for women
Email: principalammb@gmail.com Website: www.ammb.ac.in

Ref. No. AMMB/

Dated 30/06/22

Audit Committee

Adarsh Mahila Mahavidyalaya, Bhiwani

Certificate

This is to certify that this Audit Report of Adarsh Mahila Mahavidyalaya, Bhiwani is based on the original data collected during the period of study. Further, it is certified that the baseline data was prepared by the internal Audit teams of Adarsh Mahila Mahavidyalaya, Bhiwani and submitted to us. The content of the baseline data of the study has been personally verified by the auditing team for validity and reliability. The data used in the study is original in nature and have not been presented or published elsewhere. Photographs used in the report are either taken directly by the audit team or are given by internal audit team.

1) General Secretary

2) Principal

3) Technical officer

4) IQAC Coordinator