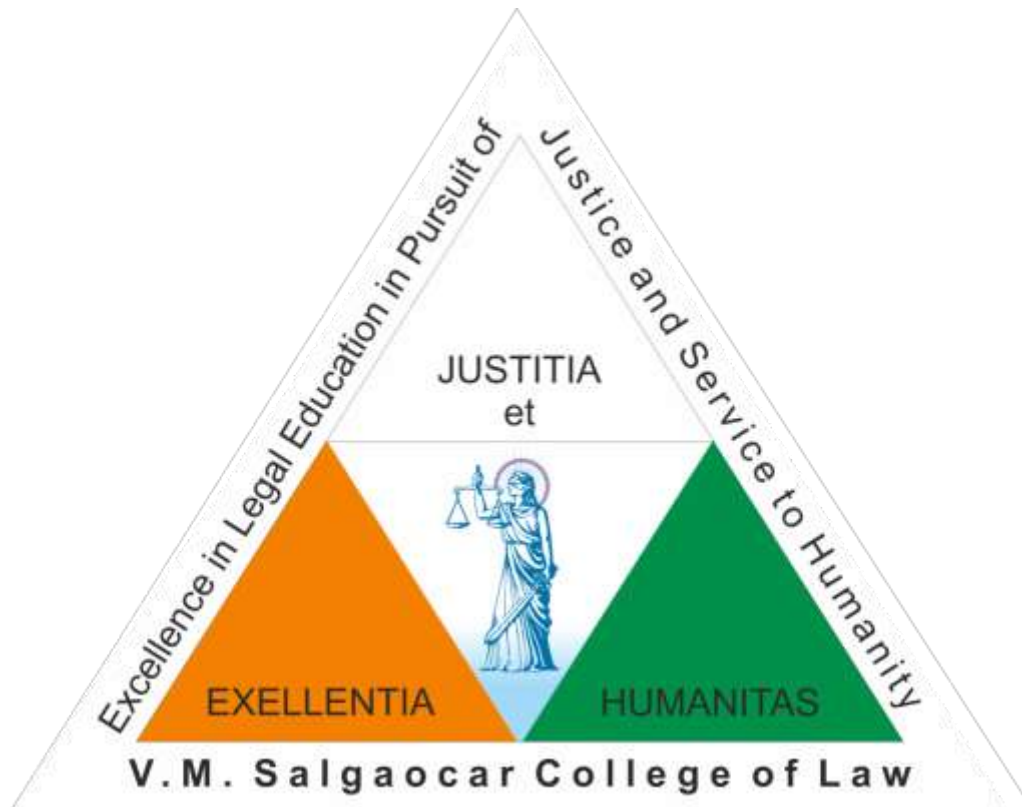


GREEN AUDIT REPORT (2022-23)

V.M.SALGAOCAR COLLEGE OF LAW, MIRAMAR



Prepared By

SUSHANT FIGUEIREDO

Environmental and Green Building Consultant

IGBC AP, GRIHA Evaluator

180/1, Ranoi Aldona Bardez Goa

403508, India. M.: 8806668630

10th May, 2023

Acknowledgement

The Green Audit Assessment Team wishes to thank V. M. Salgaocar College of Law, Miramar for assigning us with this very significant task of carrying out the Green Audit. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are due to College Principal Dr. Shaber Ali G and Administrator Dnyaneshwar Pednekar for giving us all the support during conducting the Audit.

Our special thanks to Assistant Professors Mrs. Meghana Kapdi and Mr. Ramrai Naik for coordinating the entire process and providing information and details of the various initiatives undertaken by the Committee.

We are also thankful to Dr. Sandhya Ram, Associate Professor; Mr. Lavu Govekar, PE Instructor; Ms. Priscilla Fernandes, Coordinator of NSS; and Mr. Yeshwant Yellapur, Housekeeping Supervisor for their assistance and corporation during the process.



CERTIFICATE

This is to certify that the information provided in this report is to the best of our knowledge and due diligence has been carried out through physical verification, examination of official communication, reports and pictures available and interaction with relevant staff. Errors, if any, are purely incidental and not intended to mislead.

The Green Audit report is officially being submitted to the Management of V. M. Salgaocar College of Law, Miramar today, the 10th of May 2023.

Submitted by:



Sushant Figueiredo
(Independent Environmental Consultant)

Contents

1. Introduction	5
2. About the College	6
3. Objectives of the Study	7
4. Methodology.....	8
5. Results.....	9
A. WASTE AUDIT	9
B. WATER AUDIT	13
C. ENERGY AUDIT	16
D. BIODIVERSITY AUDIT.....	22
E. SUSTAINABIITY AUDIT	26
F. ENVIRONMENT POLICY AUDIT	31

1. Introduction

The rapid urbanization and economic development at local, regional and global level has led to a severe environmental and ecological crises. While on one hand, resource depletion continues to occur at an alarming rate, on the other, waste generation has also increased considerably leading to serious disposal concerns. Keeping this in mind, it becomes essential to adopt Green Campus practices not just to reduce the ecological footprint of the college but to also be an example to students enrolled at the institution.

NAAC accreditation is mandatory for all the higher learning institutes, particularly state universities. Without NAAC accreditation, universities are not eligible for UGC grants, RUSA grants, financial aid etc. On the other hand, NAAC accreditation determines the quality of the institute in terms of education, infrastructure, research, teaching & learning etc. Institutes with top NAAC grades such as 'A++', 'A+' and 'A' are most sought-after institutes, as they offer high-quality education. On the other, all the recognized institutes of UGC must apply for NBA/ NAAC/ any other accreditation after the completion of the first or second batch of courses.

A Green Audit is assigned to the Criteria 7 of NAAC and can be defined as systematic identification, quantification, recording, reporting and analysis of components of environmental diversity. The 'Green Audit' aims to analyse practices within and outside the college campus, which will have an impact on environmental sustainability.

Through Green Audit, one gets a comprehensive insight into the various facets of operation which have an impact on the environment and means by which the carbon footprint of the college can be reduced through strategic initiatives to be undertaken by the Management.

Benefits of a Green Audit:

1. Green Audit could help to shield the environment against damage or pollution
2. Recognize the cost saving methods through waste minimizing and managing strategies
3. Point out prevailing and forthcoming inadequacies and misdoings and understanding scope for future improvement
4. Authenticate conformity with the various environmental laws and guidelines laid down by the government
5. It portrays a good image of the institution thereby helping to build better relationships with the various stakeholders involved
6. Enhance the efficacy for environmental guidelines and duties set up by the college

VMS College of Law, Miramar, is deeply concerned and unconditionally believes that there is an urgent need to address fundamental issues and reverse the existing trends of functioning. The purpose of the audit was to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution

2. About the College

V.M. Salgaocar College of Law which today features as a respectable and foremost name in the field of legal education in India, was established in the year 1973. The college is centrally nestled in the heart of Goa at Miramar adjoining the capital city, Panaji, yet away from the hustle and bustle of the city thus providing a conducive environment to pursue legal education over a lavish area ad-measuring 7831 square meters. Honors received in the name of **Institutional Excellence Award** from Society of Indian Law Firms, **Community Engagement Awards** from Herbert Smith Freehills and the **Knowledge Steez Legal Aid Award** from Knowledge Steez, Delhi, all stand testimony to the same.

The College offers the Five Year Integrated double degree B.A. LL.B., Three year LLB Degree, the two year post graduate LL.M programme, Ph.D program and a Diploma in Civil Law.

There are a sufficient number of air-conditioned classrooms which are spacious, well-ventilated and well-lit. Provision has been made of LCD projectors & internet connections in each and every classroom. The College also has three air-conditioned Staff Rooms, a well-resourced Moot Court Room, a big air-conditioned Conference Hall, a Governing Council Room, a Child Rights Clinic Room, a spacious Canteen, a well-equipped Gymnasium, a separate Book Bank and other facilities. The college has an independent three-storied library named the 'HIRABAI V. SALGAOCAR LIBRARY' which is well-equipped including online legal databases and a digital library. It is the third largest library in Asia

The Mission of the College is 'Excellentia Justitia et Humanitas' which means "Excellence in Legal Education, in Pursuit of Justice and Service to Humanity". The College is committed to academic excellence and affords opportunities for knowledge acquisition and adaptation through training, research, consultancy service to the public, and through outreach activities. V. M. Salgaocar College of Law is the first Law College in India, to secure 'A' grade rating from NAAC in 2005, and yet again in its re-accreditation in 2012. In 2011, the College was conferred the 'INSTITUTIONAL EXCELLENCE AWARD' for its outstanding efforts in imparting legal education and for its commitment in reaching out to the public through its Permanent Legal Aid Cells

The Vision of the College is "Let Justice be Done Though the Heaven Fall." The College inspires, motivates and challenges the teacher and the pupil alike, to the attainment of excellence in the field of legal education and emphasizes respect for human dignity and the inculcation of basic values crucial to the legal profession. The College encourages uninhibited democratic ideas and endeavours to translate those ideas for the benefit of the Nation. As a result, the curriculum is carefully chosen, the faculty are dedicated to the cause of promoting access to justice, and students are geared towards community interaction. This is the legacy of legal education for the benefit the community that has defined VMSCL's reputation and which gives it a cutting edge over the other institutions

The Salgaocar Law Review, the Contemporary Legal Development Forum, Trial Advocacy, the various Law Clubs as well as the Economic and Innovative forum, and Communication Club, are activities conducted to enrich the learning experience of the students.

3. Objectives of the Study

The prime objective of a green audit is to promote the Environment Management and Conservation in the College Campus. The purpose of the audit is to identify, quantify, describe and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards.

The main objectives of carrying out Green Audit are:

- ❖ To secure the best practices for environmental sustainability
- ❖ To introduce and make students aware of the real concerns of environment and its Sustainability.
- ❖ To secure the environment and reduce threats posed to human health by analysing the pattern and extent of resource use of the campus.
- ❖ To ensure optimum utilization of resources.
- ❖ To establish a baseline data to assess future sustainability by avoiding the interruptions in environment that are more difficult to handle and their corrections requiring high cost.
- ❖ To bring out a status report on environmental compliance.
- ❖ It allows colleges to set and promote an enhanced learning ecosystem and obtain the top grade
- ❖ To be able to continually improve the environmental performance of the college and portray a credible branding of the educational institution

4. Methodology

The methodology to perform the green audit included different tools such as physical inspection of the campus, observation and review of the documentation, interviewing key persons and data analysis, random interaction with students and staff, measurements where required and recommendations. It worked on the several facets of a 'Green Campus' and is divided into the following sub audits

- ✓ Waste Audit
- ✓ Water Audit
- ✓ Energy Audit
- ✓ Biodiversity Audit
- ✓ Sustainability Audit
- ✓ Policy Audit

A Green Audit involves the following steps

A. Pre-Audit:

- I. Plan the audit
- II. Select the audit team
- III. Schedule the audit facility
- IV. Acquire the background information
- V. Visit the site On-site

B. During Audit Process on Site:

- I. Understand the scope of audit
- II. Analyze the strengths and weaknesses of the internal controls
- III. Conduct the audit
- IV. Evaluate the observations of audit program
- V. Prepare a report of the observations side by side

C. Report Preparation:

- I. Produce a draft report of the data collected
- II. Produce a final report of the observations and the inference with accuracy
- III. Distribute the final report to the management
- IV. Prepare an action plan to overcome the flaws Keep a watch on the action plan

5. Results

A. WASTE AUDIT

ASPECT	OBSERVATIONS	RECOMMENDATIONS
Reduce the absolute amount of waste produced from college staff offices.	<ol style="list-style-type: none"> 1. A box is placed beside the printer for reuse of one sided paper 2. Collected waste paper is used for notices placed on the notice board 3. Dependence on hard copies for notices, assignments etc. is being minimized 4. All college staff are required to carry their own tea cups in which daily tea is served. 	<ol style="list-style-type: none"> 1. Double sided printing must be encouraged to the greatest extent possible. 2. The college must strive for 100% of assignment submissions and notices in online mode
Make full use of all recycling facilities provided by City Municipality and private suppliers	While segregation is undertaken at the college into paper and plastic, the same is handed over to the local body	Recyclable waste may be segregated at a minimum into PET bottles, flexible plastic, A4 paper, newspaper and tetra pak and sold to authorized collectors such as Ayya Waste Management
Compost, or cause to be composted, all organic waste produced in or collected from the canteen, offices and staff rooms.	<ol style="list-style-type: none"> 1. There is one large pit used for composting fallen leaves in the campus which is insufficient and full 2. There is also a smaller composting tank made for composting of canteen and food waste 	<ol style="list-style-type: none"> 1. Multiple leaf composters may be set up to deal with excess leaf litter. 2. A vermicomposting unit may also be explored given availability of space
Recycle or safely dispose of E-waste such as computers and electrical appliances.	E-waste has been disposed to GSPCB approved vendor Global E-waste Management Services (GEMS)	An E-waste collection drive may be organized with an GSPCB Authorized firm to provide means for students and staff to responsibly dispose their E-waste
Provide sufficient, accessible and well-publicized collection points for recyclable waste, with responsibility for recycling clearly allocated	<ol style="list-style-type: none"> 1. Every classroom is provided with two bins for paper and plastic waste 2. In addition 1 bin is also provided on each floor for collection of wet waste 3. The waste sorting area is besides the 	Bins at the sorting area should be clearly labelled to enable easy disposal by staff or students

	college library where students may drop recyclable waste directly	
Reduce the practice of burning plastic and other material that emit harmful gas on burning is prevented in the campus.	While no plastics are burnt, there were signs of burning of leaf litter from the garden area	Burning of any materials must be strictly prohibited due to its ill effects
Make specific arrangements for events, such as cultural Events, internal and external seminars and conferences, where significant recyclable waste is likely to be produced, in order to both minimize the waste produced and maximize what is recycled/reused	<ol style="list-style-type: none"> 1. Digital banners are prioritized for events undertaken at the college followed by fabric banners 2. The use of small water bottles is completely stopped and replaced by metal bottles with glasses for speakers and a water dispenser with paper cups for participants 3. In case of catering services, the caterer is asked to provide all stainless steel plates, spoons and dishes which are washed and reused 	<ol style="list-style-type: none"> 1. Single use plastics used for wrapping bouquets, potted plants or other gifts should also be done away with, in case still in use 2. Sufficient bins must be provided in case of snacks being served to guests



'Say No to Plastic' Signages placed within the campus



Session on waste management by Fernand Sylvestre



Reusable stainless steel bottles and digital banner at a conference



E-waste Recycling certificate from GEMS



Waste segregation bins at each floor and classrooms

B. WATER AUDIT

ASPECT	OBSERVATION	RECOMMENDATION
Repair sources of water leakage, such as dripping taps and faucets as quickly as possible.	A register is maintained at the college office to report leakages in water fixtures in the college	Housekeeping staff must be trained and encouraged to keep a regular check on taps, faucets and WC's to detect leakages
Install appliances which reduce water consumption	1. The taps in washrooms do not have a holder which may be used to reduce flow rates 2. WC's have a single flushing mechanism	1. All new taps used to replace existing ones must be low flow with a flow rate of no more than 4.5 LPM 2. WC's must also be dual flush
Encourage a decrease in water usage among staff, students and conference guests	Water saving signages have been placed at wash rooms as a reminder to guests on water saving	-
Conduct testing of potable water to make sure that drinking water standards are adhered to.	Testing of portable is yet to be undertaken	Testing of drinking water parameters may be undertaken quarterly by a NABET Accredited Laboratory
Install Water recycling mechanism, such as rain water harvesting system	Roughly 90 sq.mt of terrace area is used for RWH, through downpipes and diverted to the existing open well	Measures must be put in place to divert water out of the well in an extreme case of flooding
Promote water conservation through relevant awareness competitions, seminars, lectures and workshops	1. No activities for promoting of water conservation have been undertaken for students 2. PE Instructor Mr. Lavu Govekar attended a session on 'Agricultural Water Use Management Law and Policy in India' on 31 st March.	1. Essay writing, poster making or other similar competitions may be undertaken for students 2. Lectures/seminars on water conservation and management may also be held
Strive to reduce landscaping water requirement either through use of recycled water or choice of species	1. There is no lawn in the college campus which can tend to be water intensive 2. Priority is given to fruiting plants, high canopy trees and agricultural crops 3. Ornamental plants are placed beside the college entrance which area well shaded	Mulching and drip irrigation may be explored for the agricultural crops grown in the campus



Rooftop water harvesting system



Save water signages



Mulching for landscape water conservation

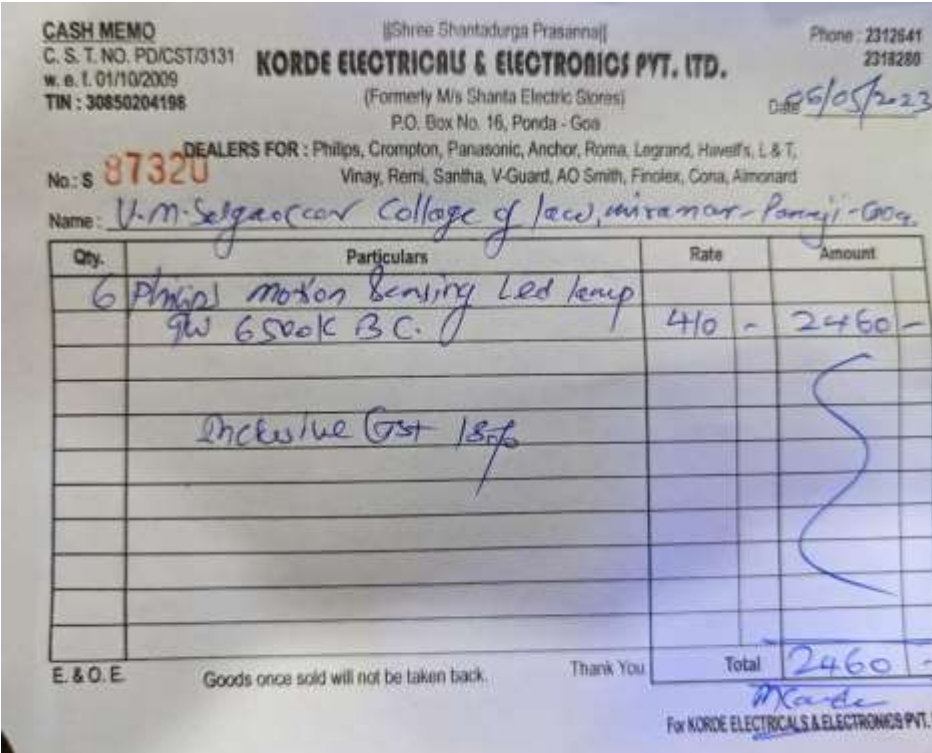


Register to report leakages

C. ENERGY AUDIT

ASPECT	OBSERVATION	RECOMMENDATION
Look in to the possibility of on-site generation of renewable energy	<ol style="list-style-type: none"> 1. The college board is in the process of relocating the campus from Miramar to the Kadamba Plateau due to which it is decided to not install solar PV systems 2. There are 15 external LED lamps run on solar energy along the periphery of the campus 	In case of relocation of the college, Solar Panels must be installed on all new buildings for energy generation
Give preference to the most energy efficient and environmentally sound appliances available, including energy-saving light bulbs	<ol style="list-style-type: none"> 1. The college has almost completely shifted from regular tubelights to LED bulbs and tubes. 2. All new air conditioners installed in the campus are BEE 3 star rated. 3. 6 motion sensors have been installed in the college common rooms 	<ol style="list-style-type: none"> 1. Inverter AC's and BEE 4 or 5 star rated equipment may also be consider 2. Due diligence must be undertaken prior to procurement to ensure long life and environmentally sound equipment 3. Motion sensors may also at other functional spaces
Encourage staff, students and conference guests to save energy through visible reminders, incentives and information to increase awareness.	Save energy signages and reminders to switch off appliances are placed at every classroom, staffroom, office and conference area	-
Ensure that all electronic and electrical equipment's, such as computers, are switched off when not in use, and is generally configured in power saving mode when such option is available	<ol style="list-style-type: none"> 1. All computer systems are run on power saving mode when in use. 2. Reminders are placed at the computer lab to switch off all systems when not in use 	Random checks may be conducted in the office and computer labs with responsibilities clearly allocated for improved implementation
Make available information about bicycle and pedestrian routes, public transport services and car share schemes to staff and	<ol style="list-style-type: none"> 1. The Miramar bus stand is within 500 mt from the college which has regular bus departures to Panaji bus stand 2. A college bus is not deemed necessary due to the 	-

students.	ease of public transportation	
Promote car sharing / car pool among the students and faculty Members	Staff and students are encouraged to carpool to save fuel	A formal carpooling system may be set up with preferred parking or recognition provided to those causing largest energy saving
Conduct awareness competitions, seminars, lectures and workshops to promote energy conservation	No such activities were conducted on energy conservation	A session on energy conservation may be conducted for the students by any certified energy auditor
Make use of solar passive design principles in the campus to reduce heat island effect	<ol style="list-style-type: none"> 1. The college terrace was not recently white washed which could lead to increased heat ingress through the roof 2. Ample day lighting is available with the classrooms all being located around a central open courtyard 3. The entrance and part of the parking is shaded by two large banyan trees and hardscaping has been restricted to reduce heat absorption 	<ol style="list-style-type: none"> 1. Regular whitewashing of the terrace floor may be undertaken post the monsoons to improve solar reflection 2. High canopy trees may be planted wherever possible to shade exposed surfaces within the campus
Encourage use of EV's by providing easily accessible charging points in the campus	2, 15 amp charging sockets have been provided for charging of EV's in the parking area	The charging points may be increased, if feasible given increase in purchase of EV's



Motion sensors installed in the washrooms for energy saving



Solar powered external lights



Energy saving reminders



3 Star BEE rated AC's



Panaji, Goa, India
FRM6+2C3, Miramar, Panaji, Goa 403001, India
Lat 15.482424°
Long 73.810791°
09/05/23 10:32 AM

15 amp charging point for EV's



Partially shaded open parking



Reduced hardscaped parking areas

D. BIODIVERSITY AUDIT

ASPECT	OBSERVATION	RECOMMENDATIONS
Establish a Garden in the campus to improve biodiversity	<ol style="list-style-type: none"> 1. An extensive vegetable garden is maintained by the staff of the college 2. A variety of fruit bearing and ornamental plants are also found as detailed in annexure 1 3. Flowering plants are being increased with an area identified for developing a butterfly garden 	The area identified for developing a butterfly garden may be improved under expert advice
Encourage the faculty and students to plant trees in the garden.	<ol style="list-style-type: none"> 1. The college has a vegetable garden where staff are encouraged to plant as well as purchase the organic vegetables grown. One such occasion was on Goa Statehood Day where various vegetable seeds were planted by the faculty members 2. Other days such as Van Mohotsav are regularly celebrated in the college campus 	In addition to vegetables, fruit bearing or other high canopy trees may also be planted in select areas to improve biodiversity and shade surfaces
Encourage organic cultivation through minimization of fertilizers and pesticides in college grounds, opting for the use of compost produced on site wherever possible	<ol style="list-style-type: none"> 1. No chemical fertilizers or pesticides are used within the campus 2. Compost and coco peat are used for nutrient enrichment and moisture holding 	-
Strive to improve resource recovery from dried twigs and leaves	<ol style="list-style-type: none"> 1. Dried twigs and leaves were seen aplenty in the campus and on rare occasions even burnt. 2. The small compost pit is provided for food and canteen waste. 3. Mulching is undertaken by MTS workers around the fruit bearing trees in the campus 4. A sizeable pit is also provided which is completely full of leaves 	<ol style="list-style-type: none"> 1. A larger composting system must be established given the large leaf litter in the college 2. Alternatively, multiple cost effective leaf composters may also be set up in the garden areas



Before and after pictures of vegetable cropping undertaken by the college staff





Fruiting trees found of campus (L-R Tamarind, Guava, Badam, Amla & Jackfruit)

E. SUSTAINABILITY AUDIT

ASPECT	OBSERVATION	RECOMMENDATIONS
Seek and act upon professional advice in order to minimize the adverse environmental impact of any new developments and exceed government regulatory requirements	There is no further scope of expansion of the existing campus.	Any redevelopments or shifting of the campus must follow IGBC or GRIHA green building norms
Ensure that all cleaning products used by college staff have a minimal detrimental impact on the environment	<ol style="list-style-type: none"> 1. Some chemical agents were found to still used by the housekeeping staff for cleaning of toilets 2. Floor cleaning was however undertaken using biodegradable agents from Zimmer Aufraumen India 	Biodegradable toilet cleaners may also be considered from brands such as Amala Earth or Born Good
Conduct environmental awareness seminars, lectures and workshops to inculcate sustainable practices in staff & students	<p>VMSCSL staff are encouraged to attend various workshops & seminars such as</p> <ul style="list-style-type: none"> - Urban Agricultural Cultivation Practices by Directorate of Agriculture - Lecture on 'Green Campus' on 18th July 2022 by Teri - Webinar on Vegetarianism and Healthy Diet on 18th Oct 2022 	Awareness seminars on other topics such as Urban Biodiversity and Energy Conservation may also be considered
Promote environmental awareness as a part of course work in various curricular areas, independent research projects, and community service	<ol style="list-style-type: none"> 1. Environmental Studies is a mandatory subject for all first year students 2. The following list of community service activities have been undertaken thus far <ul style="list-style-type: none"> - Miramar Beach cleaning drive on 17th September 2022 - Pali Waterfall clean up on 11th September 	Research projects may be encouraged through MoU's with Goa State Biodiversity Board, Wetland Board or even private firms

	<p>2022 - Production and distribution of paper bags on 26th April 2023</p>	
<p>Provide sports and recreation facilities to students</p>	<ol style="list-style-type: none"> 1. There are badminton, volleyball and kabaddi playing areas with the campus 2. There is also a fully equipped gym in the college under the guidance of physical education instructor Mr. Lavu Govekar 3. The college participates in a variety of sporting events within and outside the State 	<p>Nearby football, basketball or cricket grounds may be identified and used by the college in preparation for sporting events</p>
<p>Ensure that healthy eating practices are encouraged</p>	<ol style="list-style-type: none"> 1. No healthy eating options such as salads or greens were found available at the college canteen 2. The canteen is fairly well maintained 3. A lecture was organized by the NSS Department of the college on 'Vegetarianism and Healthy Eating' 	<ol style="list-style-type: none"> 1. The canteen operator may be instructed to provide healthy food options as part of the menu 2. Clean and hygienic conditions and good quality ingredients must be prioritized 3. Similar sessions on Nutrition and Health may be periodically organized for students and staff



Production and distribution of paper bags by the NSS Department



Organic Floor Cleaner



Webinar on importance of healthy eating organized VMS NSS Department



Clean-up drive at Miramar Beach



VMSC staff at a training by Agriculture Department



Workshop on Green Campus for MTS Staff



Bodybuilding, weightlifting and cricket teams of VMS College

F. ENVIRONMENT POLICY AUDIT

ASPECT	OBSERVATION	RECOMMENDATIONS
Establish a College Environmental Committee that will hold responsibility for the framing, enactment, enforcement and review of the Environmental Policy.	<ol style="list-style-type: none"> 1. The college already has a committee for Green Initiatives 2. The existing environmental policy is being modified and improved upon 	<ol style="list-style-type: none"> 1. The existing committee may be responsible for framing and enactment of the environmental policy 2. The Environmental Policy may be finalized within a month of commencement of the new academic year
Ensure that on the Environmental Committee there will be the Green Officer from an external agency who is engaged in the profession of providing guidance on environmental impact	There is no external expert on the current green committee	A green officer or consultant with experience in waste/water/energy management, biodiversity assessments and environmental services provision may be identified and appointed as Green Officer
Ensure that the Environmental Policy is enforced and clearly visible in common areas of the College	<ol style="list-style-type: none"> 1. The modified environmental policy is yet to be enforced 2. There is no mention of the existing Policy in common areas 	The environmental policy may be placed on each floor of the college
Ensure that an audit is conducted annually and action is taken on the basis of audit report, recommendation and findings	<ol style="list-style-type: none"> 1. An audit was last conducted for the academic year 2021-22 2. Various suggestions from that audit have been implemented by the management 	Some pending suggestions are yet to be implemented and may be done so within 6 months of submission of this report
Require that every staff and student member recognizes their responsibility to ensure that the commitments in the Environmental Policy	-	<ol style="list-style-type: none"> 1. The Environmental Studies faculty may be instructed to share the details of the environmental policy and this report to the students 2. The audit report should be circulated to all

<p>are properly put into practice</p>		<p>departments and the college student committee may be given a run-through of the same 3.Feedback may be taken from students and staff to enable continuous improvement</p>
---------------------------------------	--	--

DEVI SHARVANI EDUCATION SOCIETY'S
V. M. SALGAOCAR COLLEGE OF LAW
Miramar, Panjim, Goa - 403 001, India
Phone: 0091-832-2462225, Fax: 0091-832-2464211
Website: www.vmslaw.edu.in E-mail: vmscl@rediffmail.com


28 February 2022

Policy on Minimal and Optimal Use of Paper & Plastic

In consonance with the fundamental duty under Article 51A of the Constitution, the college as an institution and each member, as staff and student, shall resolve to practice eco-friendly practices in the campus as well as outside.

Towards this commitment, the following practices shall be adhered to, within the campus -

- 1) All are advised to avoid use of plastic.
- 2) Students shall not submit any written work in plastic files.
- 3) Both sides of the pages must be used for writing in the journals.
- 4) Print has to be avoided, wherever a soft copy is adequate.
- 5) Notices may be in electronic form, and uploaded on the college website, as well as informed to the classes via WhatsApp class groups/email.
- 6) Use one-side printed papers for writing, and printing, if appropriate. Printers will display signage for efficient use.
- 7) All are encouraged to use the water dispensers in the college for collection of drinking water, or carry own water. Bottled water must be avoided within the campus.
- 8) For all college programs, when food is served, steel/ceramic plates shall be used. Plastic and disposable utensils/serving vessels shall be avoided.
- 9) Plastic cups shall not be used. Instead paper cups may be used during programs, for serving tea/coffee. The daily tea served to staff members shall not be in plastic/paper cups.
- 10) All faculty members, staff and students shall adopt practices to promote sustainable behaviour and goals on the campus i.e. Buying products & clothes made of recyclable materials that follows eco design sustainable principles, using gadgets made with least carbon materials etc.
- 11) Cartmen shall not serve food in plastic/paper disposable plates/cups/cutlery.
- 12) All waste bins and buckets inside the college building, shall be of steel.


 (Dr. Shaber Ali)
 Offg. Principal


Paper and Plastic reduction policy

DEVI SHARVANI EDUCATION SOCIETY'S
V. M. SALGAOCAR COLLEGE OF LAW
Miramar, Panjim, Goa - 403 001, India
Phone: 0091-832-2462225, Fax: 0091-832-2464211
Website: www.vmslaw.edu.in E-mail: vmscl@rediffmail.com

Date: 20th January, 2021

**Constitution of Committee
(For Green Initiative)**

1. Dr. Shaber Ali	— Chairman	Offg. Principal
2. Ms. Meghana Kapdi	— Member Secretary	
3. Dr. B. S. Patil	— Vice Chairman	
4. Dr. Priya Onker	— Treasurer	
5. Dr. Sahadev Mandrekar	— Member	
6. Mr. Lavu Govekar	— Member	
7. Mr. Ramakant Naik	— Member	


 (Dr. Shaber Ali)
 Offg. Principal

College Green (Environmental) Committee

Annexure 1: List of Flora documented during the Audit

Sr. No.	Common Name	Scientific Name
Medicinal Plants		
1.	Lemon Grass (Ganjan)	Cymbopogon citratus
2.	Tulsi	Ocimum sanctum
3.	Rui	Calotropis gigantea
4.	Hadjod	Cissus quadrangularis
5.	Kantekuvor (Aloe)	Aloe Barbadensis
6.	Touch me not (Lajje)	Memosa pudica
7.	Panfuti	Bryophyllum sp.
8.	Adulsa	Adhatoda vasica
9.	Ortelao	Plectranthus amboinicus
Fruit Trees		
10.	Amla	Phyllanthus emblica
11.	Arecanut	Areca catechu
12.	Banana	Musa acuminata
13.	Soursop	Annona muricata
14.	Coconut	Cocos nucifera
15.	Drumstick	Moringa oleifera
16.	False Badam	Terminalia catappa
17.	Guava	Psidium guajava
18.	Jackfruit	Artocarpus heterophyllus
19.	Papaya	Carica papaya
20.	Pomegranate	Punica granatum
Ornamental Plants		
21.	Arrowhead Plant	Sygonium sp.
22.	Periwinkle	Cantharanthus roseus
23.	Ixora	Ixora indica
24.	Shoeflower	Hibiscus sp.
25.	Bougainvillea	Bougainvillea sp.

26.	Miniature Rose	Rosa chinensis
27.	Croton	Codiaeum variegatum
28.	Snake Plant	Dracaena sp.
29.	Boston Fern	Nephrolepis sp.
30.	Goose Foot Climber	Chenopodium sp
31.	Ground Orchid	Spathoglottis sp
32.	Ribbon Grass	Phalaris sp
33.	Dumb Cain	Dieffenbachia sp.
34.	Spider Plant	Chlorophytum
35.	Crown of Thorns	Euphorbia sp.
36.	False Ashoka	Polyalthia Longifolia
37.		Acalypha indica
38.		Tabernomontana divaricate
39.		Graptophyllum pictum
40.		Cordyline fruticosa
41.		Cissus quadrangularis
42.		Philodendron sp.
43.		Canna sp.
44.		Caladium sp.
45.		Ficus sp.
Horticultural Crops		
46.	Broccoli	
47.	Cauliflower	
48.	Sweet Corn	
49.	Red Amaranthus	
50.	Raddish	
51.	Cluster Bean (Tidki Midki)	
52.	Beetroot	
53.	Spring Onion	

Green Audit Report 2022-23: V. M. Salgaocar College of Law, Miramar

54.	Chillies	
55.	Turnip	
56.	Brinjal	
57.	Lady Finger	

58.	Green Amaranthus	
51.	Kidney Beans	
52.	Sugarcane	

Annexure 2: Comparison between the Green Audits of 2021-22 and 2022-23

Sr. No	Criteria	2021-22 Audit	2022-23 Audit
1.	Reduce the absolute amount of waste that it produces from college staff offices.	No means are identified for storage or reuse of one sided paper for reuse	One sided prints are now collected in the box besides the printer in the office area for reuse
2.	Make full use of all recycling facilities provided by City Municipality and private suppliers	Only one dustbin is provided in classrooms and staff rooms, which is not conducive to proper segregation	Separate collection of plastic and paper is undertaken at classrooms for improved segregation with wet waste collected in a bin placed on each floor
3.	Recycle or safely dispose off E-waste such as computers and electrical appliances.	No records of disposed E-waste are maintained	E-waste has been disposed to GEMS, a GSPCB Authorized dismantler
4.	Make arrangements for events to both minimize the waste produced and maximize what is recycled/reused	Plastic water bottles are generally provided to speakers & guests	Steel bottles and a glass is provided to speakers while a 20 lt Bisleri can is provided for guests instead of plastic bottles
5.	Give preference to the most energy efficient and environmentally sound appliances available	AC Coolant is currently R22	Coolants used are mainly R32 (zero ozone depletion). Motion sensors have been installed in the common room
6.	Encourage use of EV's by providing easily accessible charging points in	No EV charging points are provided within the campus	2 EV charging points are provided in the parking area of the campus

Green Audit Report 2022-23: V. M. Salgaocar College of Law, Miramar

	the campus		
7.	Repair sources of water leakage, such as dripping taps and showers as quickly as possible.	No defined procedure in place for reporting leakages	A housekeeping register is maintained for reporting of leakages
8.	Encourage a decrease in water usage among staff, students and conference guests	No instructions/reminders are provided in common rooms to switch off taps or save water	Instructions to save water and shut taps are now placed in the common rooms
9.	Ensure that all cleaning products used by college staff have a minimal detrimental impact on the environment, i.e. are biodegradable and non-toxic	Chemical floor washing liquids are currently in use	The college has shifted to organic/biodegradable floor cleaning liquids
10.	Conduct events such as plant trees to spread environmental awareness among the students	No community cleaning activities were conducted	A Miramar Beach and Pali Waterfall clean-up drive were organized in the year 2022
11.	Ensure that healthy eating practices are encouraged	No awareness was created on nutrition and healthy eating practices	An online seminar on Vegetarianism and Healthy Eating was undertaken for staff and students of the college
12.	Ensure that an audit is conducted annually and action is taken on the basis of audit report	A Green Audit has not been conducted in the college in the past 3 years	A Green Audit has been conducted in successive academic years 2021-22 and 2022-23