



Reg. No. E870/SAT-2006

Approved by
A.I.C.T.E., New Delhi

Shree Dhanyalaxmi Foundation's
**VISHWAKARMA - DADASAHEB CHAVAN
INSTITUTE OF MANAGEMENT & RESEARCH**

Shri. Dilliprao D. Chavan (Founder & President)

At: Malwadi, Post: Masur - 415 106, Tal. Karad, Dist. Satara, MS-India.
Ph./Fax: (02164) 252253 Website: www.vdcimr.edu.in Email: director.vdcimr@gmail.com

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DTE Institute Code No.
MB 6650



Affiliated to
Shivaji University

THE GREEN CAMPUS, ENERGY AND ENVIRONMENT POLICY

Context

Students and employees at Vishwakarma Dadasaheb Chavan Institute of Management and Research (VDCIMR) are aware of the long-standing and continuous relationship the management especially our Founder Hon'ble Shri.Diliprao Chavan has with environment. The land, on which the Institute building stands, was once a barren land on a hillock. It was his conscious decision to maintain the topography and convert the entire land with all round greenery. The greenery is because of the Mango, Chickoo and Amla tree plantations, a medicinal plant garden and lush green lawns. All these fruit bearing trees, hundreds of them, were planted under the personal supervision of our Founder. Thus, setting an example and foundation for a green environment policy, the topographical feature with dense greenery makes the institution that is most frequently identified. The beautiful property features construction on 30% of its surface. The rest of the site is made up of gardens, lawns, and play grounds.

Dimensions of the Policy

Students will be inspired to take the initiative to engage in co-curricular and extracurricular activities by the Green Campus, Energy and Environment Policy. These programs demand a thorough examination of all administrative and infrastructure tasks from the perspectives of energy efficiency, sustainability, and a healthy, clean environment.

This policy's key areas of focus are:

- Campus Cleaning Initiatives
- Landscaping Projects
- Initiatives to improve air quality:
- Smoking-free campus

Infrastructure

- Solar energy systems,
- Rainwater harvesting systems,

Waste Management processes

- Solid waste management system
- Liquid waste management system
- E-waste management




Director

Vishwakarma Dadasaheb Chavan Institute of
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Awareness Campaigns:

- Environmentally focused student activities
- A plastic-free campus
- Green Audit
- Energy Audit

Objectives of the Policy

- To safeguard and conserve the campus' ecological systems and resources.
- To include environmental considerations into social development and outreach policies, programs, and projects.
- To eliminate plastic from campus.
- To periodically undertake audits of energy and the environment.
- To reduce the usage of paper in administration by implementing an e-governance policy.

Policy:

Campus Cleanup Programs:

According to the Swachh Bharat Abhiyan's objective, VDCIMR had committed to actively coordinating cleaning initiatives both inside the Institute and off campus. It pledges to keep up this program.

The general outlook is as follows:

1. By launching frequent cleanliness drives, creating widespread awareness of cleanliness and hygiene among students and employees. The goal is to inspire them to make a proactive contribution.
2. The "Swachh Bharat Abhiyan" initiatives will play a significant role in all the community service projects carried out by the students of the Institute.
3. The Institute campus's cleaning effort will be promoted among the staff members.
4. Activities including contests for slogans and posters, essays, and skits about "Swachh Bharat" will be organized.
5. To raise general awareness, rallies on Swachh Bharat Abhiyan-related topics would be held on and near Institute campus.
6. Remove any waste material, including damaged furniture and outdated equipment.
7. Reminding students and employees of their annual commitment to keeping the Institute campus and its surroundings clean.
8. Hold seminars on how to reduce, reuse, and recycle waste.
9. Make a commitment to waste management and campus cleanliness, especially during Institute events.




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Landscaping Projects

The Institute's ideals can be seen physically manifested in the campus environment, just like they are in its buildings. It is an essential component of campus life since it offers areas for study, recreation, outdoor activities, relaxation, and aesthetic enjoyment. Additionally, green campus landscaping controls runoff, aids in groundwater recharging, and purifies and cools campus air. The Institute community's dedication to sustainability is exemplified by the landscape. Campus landscaping projects are an excellent approach to raise environmental awareness because they are so visible and accessible. On campus, there are more than 200 trees, 100 medicinal plants, and around an acre of beautiful, green lawns. Students and staff may breathe fresh, crisp air while relaxing in the beauty of trees and plants. There are some uncommon birds that call the varied greenery of VDCIMR home.

In order to maintain its symbiotic relationship with nature and its commitment to enhancing this healthy habitat, the Institute organizes annual tree planting campaigns.

Smoking Free Campus

In compliance with the framework provided by the National Tobacco Control Programme (NTCP) 2007-2008, the Institute prohibits smoking and the use of other tobacco products.

Infrastructure Projects:

Renewable Energy Sources

VDCIMR is committed to reducing and managing its use of power sustainably. The Institute has a solar power generation system that at present generates 545 Watts of power. Solar power generation shall be increased to sustain all the power need. The institution supports switching to clean energy sources like solar energy for uses like lighting the campus in order to reduce the consumption of power generated by non-renewable resources.

Energy Efficient Equipment to Save Energy:

We promise to install environmentally friendly electrical appliances that reduce energy waste. The Institute supports the use of greener energy sources, like LED lighting.

Rainwater Harvesting:

VDCIMR has committed itself to this endeavor to recharge the groundwater table through the use of rainwater collection. The replenishment and recharge of the groundwater is aided by this practice.

Processes for Waste Management



3

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To ensure VDCIMR's involvement in environmental protection, the following particular steps will be taken:

Solid Waste Management:

- Segregation of degradable and non-degradable solid waste.
 - The Institute will establish vermin-compost pits for canteen and other organic waste.
 - The Institute will adopt procedures that will lessen the development of solid waste and manage it using the following techniques in order to deliver holistic education that also benefits the environment.
 - Consistently practice the 3Rs (Reduce, Reuse, and Recycle) of environmental friendliness.
 - Collect the paper waste generated on campus and work with recyclers to sort it.
 - Reduce solid waste by creating a teaching and administrative model that is centered on technology.
 - Support the digitization of attendance and internal assessment records to reduce the usage of paper. Reduce the need for printed books by updating the Institute library's collection of e-books and e-journals.
 - Encourage professors and students to submit assignments via email.
 - Take steps to educate students about food waste and methods for reducing it, as well as the use of packaged foods and the practice of recycling and reusing non-biodegradable items.
 - Organizing solid waste management workshops for students.

Waste Management of Liquids

- Maintain water-tight fixtures.
 - Retaining the services of a caretaker to take prompt action
 - To halt any water leaks coming from faucets, pipes, tanks, toilet flushes, etc.

E-Waste Management

- VDCIMR takes precautions to minimize the environmental impact of its technology use and e-waste production.



S. J. Pawar
Director
Vishwakarma Dadasahab Chavan Institute of
Management & Research, Malwadi (Mumbai)



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VISHWAKARMA - DADASAHEB CHAVAN
The Institute is committed towards the motto of Vasudhaiva Kutumbakam. It is an option to bring the change of institutional culture and environment.

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- To get electronic waste recycled, work with e-waste recycling firms.

Conduct Green Audit:

In order to further our objectives of long-term sustainability, the institute routinely undertakes a green audit of our campus. Utilizing fewer resources will result in financial savings thanks to green audits. The Institute must critically assess its own contributions to a sustainable future.

Perform an energy audit

As and when necessary, an energy audit will be performed to further reduce its carbon footprint. The significance of cutting back on energy use cannot be emphasized. The energy audit will find energy waste thanks to its specialized technologies.

Campus Free of Plastic

Since its foundation, VDCIMR has been performing the majority of its obligations in terms of managing solid waste. The Institute management firmly prohibits the use of single use plastics in its goal to turn it into a "Plastic Free Campus" in light of the Government of India's decision to outlaw all single use plastics due to the harmful effects of plastic use and pollution.




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Declaration

This to state that the, green, energy, and water conservation audits have been conducted by the approved external agencies during the academic years 2020-2021 and 2021-22 only.




Director
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Management & Research, Malwadi (Masur)



GREEN, ENERGY AND ENVIRONMENT AUDIT CERTIFICATE

This Certificate is Presented To :

**Vishwakarma Dadasaheb Chavan Institute of
Management and Research (VDCIMR),
Malwadi**

Our team of Environmental Engineers has
analyzed Green, Energy, and Environment
practices followed by the college.

PRADEEP NAGAMALLI
B.E., M.TECH. (ENV. ENGG.)
NISARGA CONSULTANTS
AUDIT YEAR: 2020 - 2021



Director
Vishwakarma Dadasaheb Chavan Institute of
Management & Research, Malwadi (Masur)



(An ISO 9001:2015, ISO 14001:2015 Firm)

GREEN, ENERGY AND ENVIRONMENT AUDIT CERTIFICATE

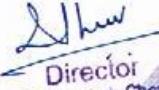
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B.E., M.TECH. (ENV. ENGG.)
NISARGA CONSULTANTS
DATE: 21.10.2022




Director
Vishwakarma Dadasaheb Chavan Institute of
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Green, Energy, & Environment Audit Report

**Vishwakarma Dadasaheb
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Green Audit Report
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Green, Energy, & Environment Audit Report
Vishwakarma Dadasaheb Chavan Institute of Management and Research (VDCIMR), Malwadi

Acknowledgement

We express our gratitude for calling upon us for this audit, mainly the Principal Dr. Nirmohi Ramchandra Jadhav, who was the driving force behind this work. We also thank the team members, mainly Prof. Ganesh Krishnaji Injekar, Dr. Aparna Prakash Sawant and others, who were ever helpful and supported us with all the inputs needed for this audit. We thank all the teaching, non-teaching and students for helping us in conducting this audit.

Green Audit Team

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About the Institute

Vishwakarma Dadasaheb Chavan Institute of Management and Research (VDCIMR) was established in 2010 by the renowned first generation entrepreneur Hon'ble Shri. Dilipbhau Dadasaheb Chavan in the memory of his late father Hon'ble Advocate Shri. Dadasaheb Chavan. VDCIMR is a higher education institution that is affiliated to Shivaji University, Kolhapur and provides high-quality education to young people from rural, economically, and socially disadvantaged areas of society. VDCIMR offers professional post-graduate programme in Management culminating in Master of Business Administration (MBA). VDCIMR has played a vital role in the rehabilitation of rural and underprivileged populations in the area throughout the course of its 13 year long history.

The Institute is focusing its education to:

Girls Education

Education to rural and downtrodden stratas

Competition with global standards

All round development of personality of students

Vision:

To be a Centre of excellence for imparting management education to prepare business leaders and entrepreneurs

Mission:

Our mission is to impart and disseminate knowledge to the rural students, through innovative and flexible higher education. This knowledge must become an asset in building his/her career. Contribute to corporate world by preparing future managers with global mindset.

Goals:

- Provide management education of the highest standard through value based teaching and learning by integrating innovative practices
- Inculcate social values and understand the social impact of management education.
- Equip rural students with entrepreneurship, leadership and business analytical skills to adapt to present global scenario and make the best of the career opportunities
- Inculcate strong belief in hard work and dedication among the rural youth in order to make them responsible citizens of India.

Create future captains of industry with innovative, entrepreneurial and leadership skills

Introduction to Green, Energy and Environment Audit

This audit assists in analyzing environmental practices implemented within the educational campuses, which will result in achieving sustainable goals. Green, Energy and Environment audit comprises of systematic identification, quantification, recording, reporting and analysis of elements of environmental conditions in the premises.

Need for Green, Energy and Environment Auditing

Green, energy, environment auditing is the mode in analyzing and determining whether the institutions' day to day activities are environmentally friendly and sustainable for future generations. Primarily, we are good and efficient users of resources available naturally. Subsequently, excess use of energy, water, have become habitual to everyone.

Green, energy and environment audit provides an approach to check whether

- Our processes are consuming more resources than required?
- Whether we are handling resources carefully?

Continuous monitoring of such processes regulates and gives an efficient way of natural resource utilization.

Recent issues such as drastic climatic changes and depletion of non-renewable resource are of greater concern. To combat such issues at institute/college level, it is needed to check the processes and change them into greener and cleaner one. This audit also increases overall consciousness among the people working in the institution towards a sustainable environment.

Goals of Green, Energy and Environment Audit

Our team has conducted a green audit with specific goals, such as:

- Recognizing and documenting of green practices followed by the institute.
- Note strength and weakness in green practices presently followed.
- Analyze and suggest solution for the drawbacks identified.
- Evaluate facility of different types of waste management.

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- Increase environmental awareness throughout campus.
- Inspire staff for optimized sustainable use of available resources.

Objectives of Green, Energy and Environment Audit

- To inspect the current practices, which can impact the environment.
- To recognize and analyze significant environmental issues.
- Establish and implement Environment Management in various departments.
- Continuous evaluation for betterment of performance in this regard.

Benefits of Green, Energy, Environment Audit to Educational Institutions

There are many advantages of green audit to an Educational Institution:

- It would help to protect the environment in and around the campus.
- Empower the organization to frame a better environmental performance.
- It portrays good image of institution through its clean and green campus.

Executive Summary

A Green Campus or an Eco-friendly Campus is a place where environmental friendly practices and education combine to promote sustainable and eco-friendly practices in the campus. It is a campus which is sustainable because of its resource utilization and minimum waste discharge into the environment. Green, Energy and Environmental Audit is an assessment of the extent to which an organization is observing practices which minimize harm to the environment. It assesses the campus performance in complying with applicable environmental laws and regulations. This audit report comprises of observations and recommendations for improvement of environmental conditions in the campus. It mainly focuses on the environmental management plan in the campus with environmental factors like quality of water, ventilation, vegetation, waste management practices, consumption of energy, harmful radiations in the campus, etc.,

For this purpose, to assess the quality of the different environmental factors, samples were analyzed at different places in the campus, viz., water quality, light intensity, air quality, noise pollution and electro-magnetic radiation. The data which was collected were assorted, scrutinized, analyzed and documented. Campus related preliminary interviews with the concerned staff were conducted. Student interaction also was carried out for this purpose. A report based on all these studies with regards to an environmental management plan at the campus with recommendations for further improvement is prepared.

Objectives and Scope

The purpose of this audit was to note that the campus follows environmental friendly approaches in its regular routine. The implementation of these methods is done in the campus, across all departments, administrative bodies and students and were analyzed.

Following issues were noted during our visit:

- Present conditions at the campus.
- Environmental education through systematic environmental management approach.
- Improving environmental standards.
- Benchmarking for environmental protection initiatives.
- Sustainable use of natural resource in the campus.

Based on the available data, sampling and information provided by the college staff and officials, this report has been prepared and recommendations for betterment of campus environment are provided.

Summary of Findings

The main findings of the audit show that, all the students are aware about the need for environmental protection at a general level. It was also observed that a number of best practices such as water conservation, sewage treatment, waste management, cleanliness, waste segregation, plantation, etc., are followed in the campus. There is also Eco club unit, actively involved in environment related activities.

However, on detailed review, it was observed that, the college is following green practices at various levels. But certain processes could benefit from further review in order to improve their efficiency, fairness and consistency.

Infrastructure and college details

- The college has sufficient infrastructure for curricular and co-curricular activities.
- Rooms - Classrooms, auditorium, department, library, department rooms, staffrooms, labs, ladies' room etc.
- Sufficient reading materials for students.
- Administrative office, principal chamber, office room and department rooms are well located and ventilated.
- Underground and overhead water tanks.
- Computers (80 numbers) with 100 mbps speed internet facilities in office, principal chamber, department rooms.
- The institution is in area of 10026 sq. mtr. and has a built-up area of 4264.37 sq. mtr.
- Classrooms and staff rooms in the institute are 04 and 01 respectively.
- There is a computer laboratory with all the facilities and well ventilated.
- There is a seminar hall with sufficient facilities.

Green Cover

Details

Green Cover

Plants and trees are essential for any educational institution. Green cover makes the campus aesthetically pleasing and also helps in providing good environment for the students. Planting saplings and maintaining the same has to be done periodically.

Observations:

This campus has a green area with various plants and trees of different species. The Eco club unit of the college have been moving a step towards creating a greener campus with different programs and plantation activities. The campus is rich in biodiversity.

A Medicinal Garden has also been created at the entrance of the college

Green Cover Details

The list of few trees/plants is as follows:

Sl. No.	Scientific Name	Common Name
1.	<i>Azadirachtaindica</i>	Neem Tree
2.	<i>Magniferaindica</i>	Mango
3.	<i>Emblicaofficinalis</i>	Amla
4.	<i>Cocosnucifera</i>	Coconut
5.	<i>Grevillearobusta</i>	Silver Oak
6.	<i>Vachellianilotica</i>	Acacia nilotica
7.	<i>Cordiadichotoma</i>	Bhokar
8.	<i>Ziziphusmauritiana</i>	Ber
9.	<i>Rhododendron indicum</i>	Rose
10.	<i>Tagetesrecta</i>	Marigold
11.	<i>Manilkarazapota</i>	Chikoo
12.	<i>AnnonaSquamosa</i>	Custard Apple
13.	<i>Annonacherimola</i>	Hanuman phal
14.	<i>Plumeria alba</i>	Champa
15.	<i>Psidiumguajava</i>	Guava
16.	<i>Ficusracemosa</i>	Cluster fig
17.	<i>Tamarindusindica</i>	Tamarind

List of Medicinal Plants in Medicinal Garden:

Sl. No.	Scientific Name	Common Name
1.	<i>Azadirachtaindica</i>	Neem Tree
2.	<i>Aloe barbadensis</i>	Aloe
3.	<i>Costusigneus</i>	Insulin
4.	<i>Cymbopogoncitratus</i>	Lemon grass
5.	<i>EmblicaOfficinalis</i>	Amla
6.	<i>Ocimumsanctm</i>	Tulasi
7.	<i>Zingiberofficinale</i>	Ginger
8.	<i>Stevia reboudiana</i>	Stevia
9.	<i>Eugenia caryophyllus</i>	Clove
10.	<i>Colotropisgigantea</i>	Rui
11.	<i>Hibiscus rasa-sinensis</i>	Hibiscus
12.	<i>Murrayakoenigii</i>	Curry leaves
13.	<i>Citrus lemon</i>	Lemon
14.	<i>Terminaliaarjun</i>	Arjun

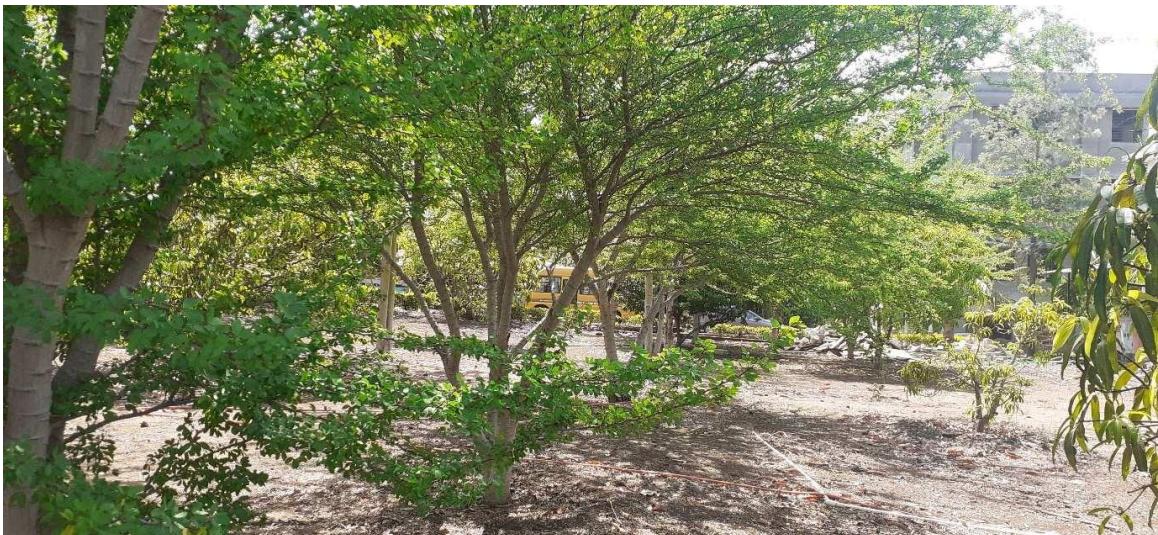
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15.	<i>Abrusprecaterius</i>	Gunj
16.	<i>Hemidesmusindicus</i>	Anantmul
17.	<i>Tinosporacordifolia</i>	Heart leaved Monseed
18.	<i>Moringaoleifera</i>	Drumstick
19.	<i>Aeglearmelos</i>	Bael
20.	<i>Sapindusmucorossi</i>	Ritha
21.	<i>Asparagus racemosus wild</i>	Shatavari
22.	<i>Curcumalongalinn</i>	Turmeric
23.	<i>Magniferaindica</i>	Mango
24.	<i>Terminaliabelerica</i>	Behada
25.	<i>Areca catechu</i>	Supari
26.	<i>Cathranthusroseus</i>	Vinca
27.	<i>Cinanomunzeylanicumnees</i>	Cinnamon
28.	<i>Daturastramonium</i>	Datura
29.	<i>Prasopis cineraria</i>	Shami
30.	<i>Adathodavasica</i>	Vasaka (Adulasa)
31.	<i>Carumcopticum</i>	Ajowan
32.	<i>Syzygiumcumini</i>	Jambhul
33.	<i>Garciniaindica</i>	Kokum
34.	<i>Piper nigrum linn</i>	Black pepper

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Greener in the campus and medicinal plants garden

Energy Management Details

Energy Management:

Energy management is an important aspect in institutions. Saving of electric power is a major part to minimize the greenhouse gas emissions to the environment. This can be achieved by using 5-star electrical appliances. Renewable energy can be harvested and used in the campus.

Observations:

- Solar rooftop harvesting is being implemented in the campus. This is greater step towards clean and green energy for the campus.
- Solar panels have been installed on roof top. Energy generated from solar panels is used in college campus. Excess energy from solar panels is stored in the batteries and used. Details of the same are mentioned in the below table.

Recommendations:

- Labels, poster regarding energy saving can be put up more in the campus.
- Best practices have already been implemented in the institution for optimum use of energy.

Basic information regarding power supply and its management

Sl. No.	Parameters	Response
1.	Source of electricity	State Electricity Board and Solar Panels
2.	If Solar, Type of Solar system (On Grid/Off Grid/Hybrid)	Off Grid
3.	No. of Solar Panels	48
4.	Type of Solar Panels/ Specifications	Mono Type Area - 120 Mtr. Capacity - 545W Installation - Apr 2023
5.	Solar Water heaters	Yes

Power consumption pattern

Electricity bill and Units consumed from Sept. 2021 to August 2022

Month	Meter Readings	
	Units	Amount
Aug. 22	1474	25785.05
July 22	1422	24873.93
June 22	1364	22175.86
May 22	1310	21556.92
Apr. 22	1183	20367.04
Mar. 22	920	50153.54
Feb. 22	1247	15428.40
Jan. 22	1379	16370.53
Dec. 21	865	12718.38
Nov. 21	846	12584.07
Oct. 21	810	12430.94
Sept. 21	580	10982.79

Details of Electrical and Electronic appliances:

Sl. No.	Appliance	Numbers	Year of Purchase	5 star rating	
				Yes	No
1.	Computers (Desktops)	80	2010		✓
2.	Laptops	-	-		
3.	Printers	5	2010		✓
			2016		✓
			2016		✓
			2022		✓
			2023		✓
4.	Copying machines	1	2020		✓
5.	Scanners	2	2010		✓
6.	Projectors	3	2010		✓
7.	Refrigerators	-	-	-	-
8.	Hot air oven	-	-	-	-
9.	Weighing Balance	-	-	-	-
10.	Others	-	-	-	-

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Details of switches, points, lights and fans in classrooms, office and staffrooms

Staffroom/classroom/lab/office/	Switches	Plug Points	Fan	LED Bulb	Tube light	Others	Projectors
Office	08	02	06	50	91	00	-
Board Room	02	00	02	16	21	00	-
Placement Room	03	00	02	16	08	00	-
Staff Room	02	00	06	31	51	00	-
Exam Room	02	00	02	06	15	00	-
Directors Cabin	04	00	02	08	17	00	-
Library	08	00	04	75	111	00	-
Reading Room	02	00	02	05	13	00	-
Language Lab	03	00	01	49	57	00	-
Ground Floor Passage	00	08	00	06	09	00	-
Computer Lab	08	01	04	227	251	01	-
First Floor Passage	00	08	00	01	09	00	-
Girls common Room	01	00	02	01	11	00	-
Boys Common Room	00	00	02	01	11	00	-
Seminar Hall	06	00	08	05	25	00	-
Store Room	01	00	02	01	11	00	-
IQAC Room	01	00	02	01	13	00	-
Class Room 1	02	00	04	01	11	01	-
Class Room 2	02	00	04	01	11	01	-
Class Room 3	02	00	04	01	11	01	-
Class Room 4	02	00	04	01	11	01	-

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Solar energy harvesting panels

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Generator for use during power cuts



Awareness posters regarding energy saving have been put across the campus

Environment Management Details

Water Management

Quality and Quantity of water is one of the most important parameters in a Green Campus. Water Quality and Quantity differs from place to place depending on the condition of the water source from which it is drawn. Presence of contaminants in the water can lead to health issues of the consumers. Basic monitoring of the quality of water is necessary from the health point of view of the campus occupants. Meticulous Water Management plan of the water available is also imperative for sustainable resource utilization.

Observation:

The main source of water for the campus is one open well and one bore well with sufficient water for the college throughout the year. The water from the open well and borewell are pumped to the overhead tank situated on the top floor of the school building, filtered centrally and then supplied. Drinking water from the Filter cum Cooler was tested for TDS, temperature and pH.

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Drinking water was tested for TDS, pH and Temperature.

Source	Inlet			Outlet		
	TDS (ppm)	pH	Temperature (°C)	TDS (ppm)	pH	Temperature (°C)
1	300	7.5	28	27	7.3	24

Recommendations:

- Rainwater harvesting can be implemented in the campus for ground water recharge.

Sl. No.	Parameter	Response
1.	Source of water for campus	Open Well
2.	No. of open Wells/Borewells	01
3.	No. of motors used to lift water	01
4.	Horse power – Motor	10 Hp
5.	Depth of open well –Total	50 ft.
6.	Depth of borewell –Total	-
7.	Water level open well	30ft.
8.	Water level borewell	-
9.	Number of water tanks (underground)	-

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10.	Capacity of underground water tank	-
11.	Number of water tanks (Overhead tank)	01
12.	Capacity of water tank (Overhead tank)	20,000 Ltr.
13.	Quantity of water pumped every day	10,000 Ltr.
14.	Any water wastage/why?	No
15.	Water usage for gardening	1000 Ltr.
16.	Waste water sources	-
17.	Use of waste water	-
18.	Fate of waste water from labs	-
19.	Whether waste water from labs mixed with ground water	-
20.	Any treatment for lab waste water	-
21.	Whether any green methods practiced in labs	-
22.	No. of drinking water filters/water coolers	01
23.	Rain water harvest available?	yes
24.	No. of units and amount of Rain water harvested	01 Percolation pit
25.	Any leaky taps	-

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26.	Amount of water lost per day	-
27.	Any water management plan used?	-
28.	Any water saving techniques followed?	-
29.	Are there any signs/posters reminding peoples to turn off the water?	YES

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Water source – Open well and Borewell

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Rainwater Harvesting cum Plantation Drive

Nisarga Consultants, Belagavi.
www.nisargaconsultants.com

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Drinking water filter and coolers

Nisarga Consultants, Belagavi.
www.nisargaconsultants.com

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**Fire extinguishers have been
placed**

Waste Management:

Anthropogenic activities generate waste, and it is the way these wastes are managed and disposed of, which can cause risks to the nature and to health. Waste generated causes pollution which is unpleasing and results in large amounts of litter which in turn cause environmental problems. Solid waste is generally classified into three categories: bio-degradable, non-biodegradable and hazardous waste.

Bio-degradable wastes include food wastes, canteen waste, wastes from toilets, etc.

Non-biodegradable wastes include what is usually thrown away in homes and schools such as plastic, tins and glass bottles, etc.,

Hazardous waste is waste that is likely to be a threat to health or the environment like chemicals from research labs, batteries, etc.,

Improper handling of these wastes such as dumping in pits or burning them, may cause harmful discharge of contaminants into soil and water supplies. Special attention should be given to the handling and management of such waste generated in the institutions.

Observations:

In this campus, the waste generated is managed as mentioned below:

Bio-degradable Waste:

- Bio-degradable waste (sewage) from toilets is connected to a septic tank, treated water used for gardening
- Leaf composter has been set up for dry leaf composting

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Non-Bio-degradable Waste:

- Paper, plastics generated by the campus is collected by the waste collection vehicle of the village panchayat.

Recommendations:

Based on the observations made during our site visit, following recommendations have been made by us:

- Educational posters related to water conservation, waste minimization, waste segregation can be put in the campus to create more awareness.
- E-Waste can be sent to certified recycler.
- More Dry leaves from plants and trees can be composted in bigger leaf composters.

Sl. No.	Details	Remarks
1	Wastewater Source	Toilets and labs
2	Use of waste water	No
3	Fate of waste water from labs	NA
4	Whether waste water from labs is mixed with other wastewater sources	NA
5	Any treatment for lab waste?	NA
6	Disposal of wastewater	Septic Tank

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Dry leaf composting



Septic Tank for Sewage treatment

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Dust bins have been placed in the classrooms and
corridors

Air Quality

Air quality plays a major role in day-to-day life. People spend more time indoors. Indoor air quality is the air quality within and around buildings and structures. Indoor air quality is known to affect the health, comfort, and well-being of building occupants. Poor indoor air quality has been linked to sick building syndrome, reduced productivity, and impaired learning in schools and colleges.

Observations:

Particulate matter was measured in all the classrooms, staff rooms and library. It was observed that the concentrations of PM 1, PM 2.5 and PM 10 were found to be negligible at that instant.

Sl. No.	Room	ppm			HCOH	TVOC
		PM 1	PM 2.5	PM 10		
1	Office	11	15	19	<0.1 ppm	0.3 mg/m ³ to 0.5 mg/m ³
2	Board Room	12	14	21		
3	Placement Room	11	16	22		
4	Staff Room	12	14	23		
5	Exam Room	9	15	22		
6	Directors Cabin	12	14	26		
7	Library	12	14	19		
8	Reading Room	10	15	21		
9	Language Lab	11	16	19		
10	Computer Lab	11	16	20		
11	Seminar Hall	8	16	22		
12	Store Room	11	15	23		
13	IQAC Room	12	16	22		
14	Class Room 1	13	15	19		

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15	Class Room 2	12	15	18		
16	Class Room 3	9	17	18		
17	Class Room 4	11	19	21		

The readings mentioned above are measured at that instant.

Light

The main part of the learning process is visual. The classroom is an arena for many activities, such as reading and writing, student or teacher presentations, tests, etc., hence, light plays a major role in classrooms. Well-lit classrooms are utmost essential in colleges. Working desks of the students require a minimum of light of 200 lux. Further, there may be certain zones that require specialized lighting. For example, the area in front of the board should have proper and separately switched presentation lighting.

Observations:

It was observed that all the classrooms are well lit. The light intensity was observed to be ranging from 250 lux to 350 lux.

Sl. No.	Room	Light intensity in lux
1	Office	250
2	Board Room	250
3	Placement Room	280
4	Staff Room	280
5	Exam Room	270
6	Directors Cabin	268
7	Library	300
8	Reading Room	310
9	Language Lab	295
10	Computer Lab	300
11	Seminar Hall	350
12	Store Room	270
13	IQAC Room	350
14	Class Room 1	270
15	Class Room 2	280

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16	Class Room 3	290
17	Class Room 4	300

The readings mentioned above are measured at that instant.

Noise

Noise is unwanted sound considered unpleasant, loud or disruptive to hearing. Unwanted sound is not preferred in any classroom. The Noise levels in the class room should be below 35 dB in an unoccupied classroom. Higher levels of noise in the classroom may distract the students.

Observations:

Noise levels were measured in the classrooms and were found to be in the range of 30 dB to 55 dB in an unoccupied classroom. The noise levels in classrooms with students were ranging about 55 dB to 72 dB.

Sl. No.	Room	Noise in decibel	
		Minimum	Maximum
1	Office	35	55
2	Board Room	45	72
3	Placement Room	50	60
4	Staff Room	45	55
5	Exam Room	30	40
6	Directors Cabin	45	55
7	Library	35	45
8	Reading Room	35	45
9	Language Lab	45	60
10	Computer Lab	45	70
11	Seminar Hall	50	65
12	Store Room	30	45
13	IQAC Room	35	45
14	Class Room 1	30	45
15	Class Room 2	35	50

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16	Class Room 3	30	55
17	Class Room 4	40	55

The readings mentioned above are measured at that instant.

Electro Magnetic Radiations

Electromagnetic radiation (EMR) consists of waves of the electromagnetic (EM) field, propagating through space, carrying electromagnetic radiant energy. EMR is generated by electronic devices and constant exposure to EM radiations is not advisable.

Observations:

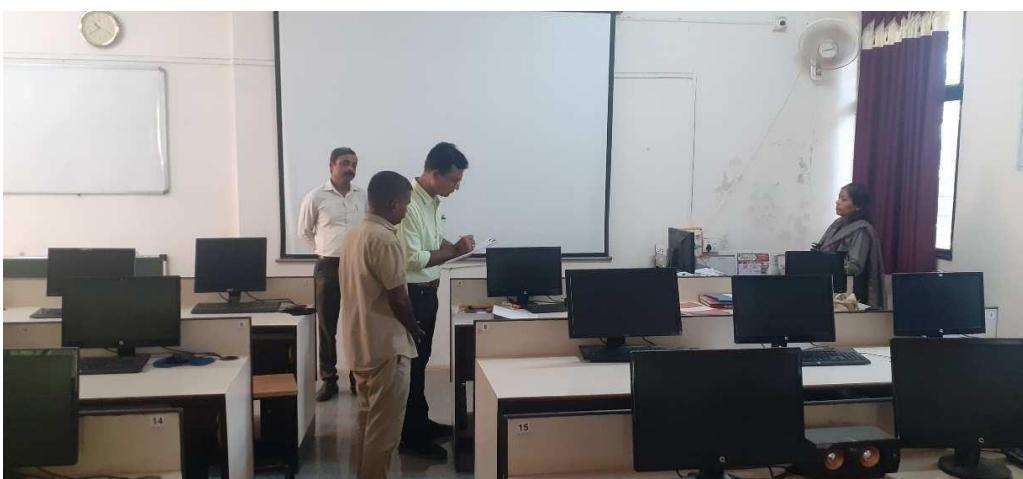
Electromagnetic radiations were measured in all the classrooms, staff rooms, and library. It was observed that the Electromagnetic radiations were zero in all these places.

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**Measurement of PM 1, PM 2.5, PM 10, Light intensity, Noise, EMR, HCOH,
TVOC in classrooms, labs**

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**Measurement of PM 1, PM 2.5, PM 10, Light intensity, Noise, EMR, HCOH,
TVOC in classrooms, labs**

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**Measurement of PM 1, PM 2.5, PM 10, Light intensity, Noise, EMR, HCOH,
TVOC in classrooms, labs**

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Testing of drinking water

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Interaction with students

Green Club/Eco Club Activities

Eco club wing of the college conducts various activities related to environment throughout the year.

Eco-club/Green club Team

Sr. No.	Name	Designation
1.	Dr. Nirmohi Ramchandra Jadhav	President
2.	Dr. Aparna Prakash Sawant	Staff
3.	Prof.Ganesh Krishnaji Injekar	Staff
4.	Prof. Shital Dayanand Chavan	Staff
5.	Prof. Bagyashree Suhas Dol	Staff
6.	Mr. Shekhar Appa Kale	Student Coordinator
7.	Ms. Nikita Aanandrao Patil	Student Representative
8.	Ms. Tejal Shivaji Mane	Student Representative
9.	Mr. Aniket Vijay Pawar	Student Representative
10.	Ms. Sayali Rajaram Patil	Student Representative

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Students and Staff participating in plantation drive

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During our visit to the campus

Nisarga Consultants
Basavaraj Complex,
Sadashiv Nagar, APMC Road,
BELAGAVI - 590 001



Nisarga Consultants, Belagavi.
www.nisargaconsultants.com

D. J. Pawar
Director
Vishwakarma Dadasaheb Chavan Institute of
Management & Research, Malwadi (Masur)

E mail ID – deepalikhot43@gmail.com

VED BAHUUDDESHIY

SAMAJIK SANSTHA

AT – WANYACHWADI, POST – MASUR, TAL KARAD, DIST – SATARA, 415103

Reg. No. F-I6068 SATARA Date 20/03/2018

Reg. No. Income Tax 12A-AAEAV7064LE20218

Reg. No. Income Tax 80G-AAEAV7064LF20216

Certificate

This is to certify that lions club of Masur & Vishwakarma Dadasaheb Chavan Institute of Management and Research are associated for the last 10 years for social & community service activity.

We have visited the campus of VDCIMR several times. We are impressed by the greenery of the campus. The building is surrounded by Mango, Chikoo and peak plantations. More over the campus is in to “Single-Use Plastic free campus”.

We would like to state here that the campus is indeed green & clean.

Place - Masur

Date - 10.12.2021 I/c. Director
Vishwakarma Dadasaheb Chavan Institute of
Management & Research, Malwadi (Masur)



VED BAHUUDDESHIY
C.O. F-16068 SATARA DATE 20/03/2018
No. Income Tax 12A-AAEAV7064LE20218
No. Income Tax 80G-AAEAV7064LF20216
S.G.N.....

Date:-7/06/2017

Report

1) Title of Event -- Environmental Day

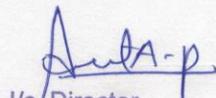
2) Date of Event – 5th June, 2017

3) Participants of Event –

45 students from MBA I & II and all teaching as well as nonteaching staff members participated in the event.

4) Description of Event –

Students showed active participation in the event. Tree Plantation Program was organized at Nigadi. Total of 250 trees were planted by 45 students.



I/c Director
Vishwakarma Dadasaheb Chavan Institute of
Management & Research, Malwadi (Masur)

2

Mass Tree Plantation - 2017

Nigadi



S. Shew
Director
Vishwakarma
Management & Research, Malwadi (Masur)