



SHRAMIK VIDYARTHI DNYANSEVA SANSTHA'S

AMDAR DEEPAKBHAI KESARKAR SCIENCE COLLEGE

(AFFILIATED TO UNIVERSITY OF MUMBAI)

DODAMARG, DIST. – SINDHUDURG 416 512 (M. S.)

EMAIL – dkscsci@gmail.com

TEL. NO. – 02363 256755

ESTD. – 2012

COLLEGE CODE – 166

Criteria 7

Institutional Values and Best Practices

Key Indicator – 7.1

Institutional Values and Social Responsibilities

Metric No. 7.1.2

The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier-free environment





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7.1.2 Alternative source of energy

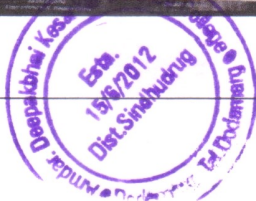
Alternative sources of energy in campus:

- In Amadar Deepakbhai Kesarkar Science College Dodamarg two invertor is available for battery backup.
- This is used as emergency backup when there is a power outage.
- Relevant information Facilities for alternate sources of energy and energy conservation measures Use of LED bulbs/ power efficient equipment.

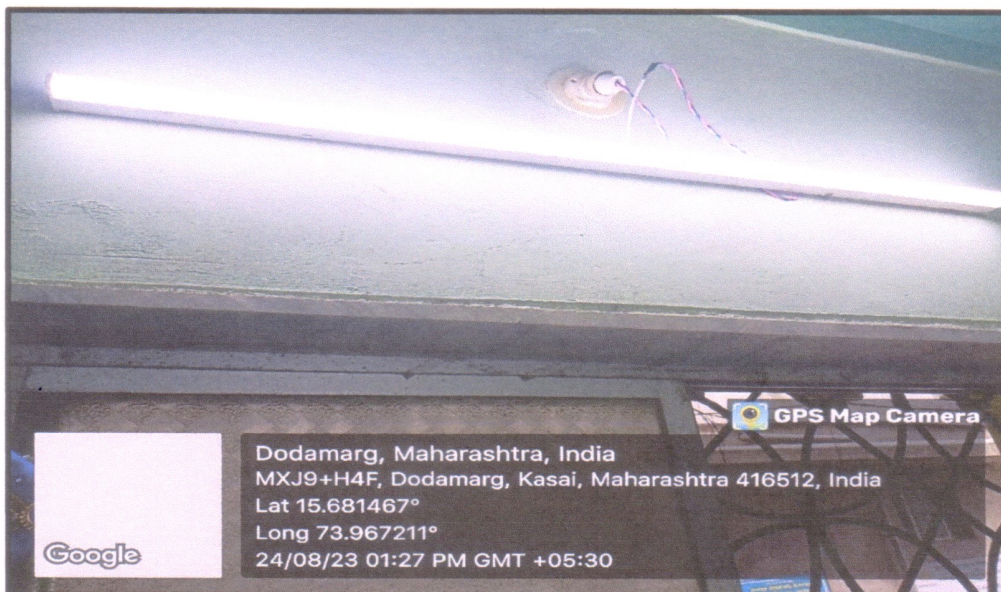
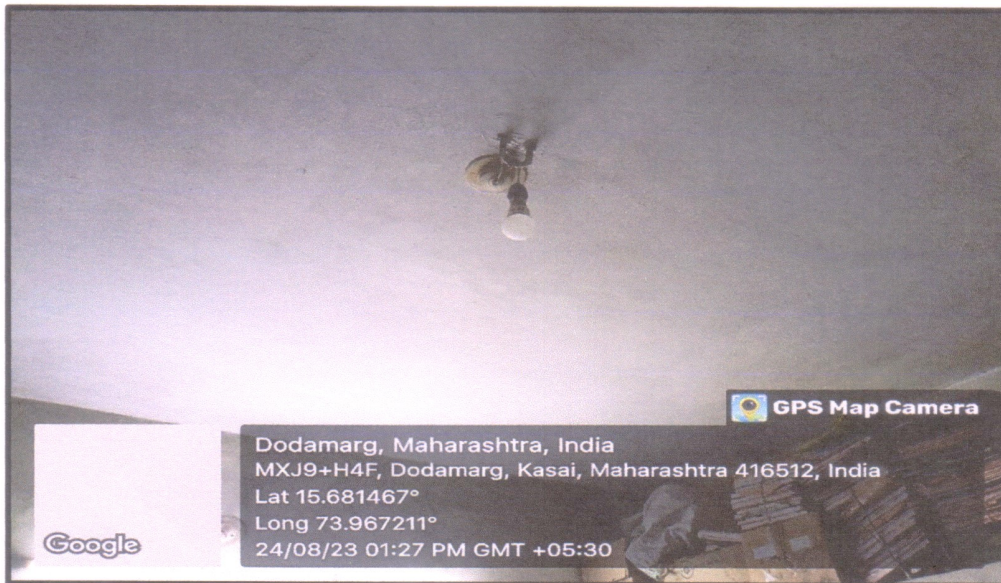
Amdar Deepakbhai Kesarkar Science College Dodamarg have taken the initiative to replace the high energy consuming electric bulbs and tubes with LED bulbs and tubes for reducing the energy costs. Electricity bills reflect the uses of electricity in Units, which is more in 2019 as compared to later. Besides, some of the equipments like conductometer, potentiometer, pH meter, refractometer, colorimeter, spectrophotometer, muffle furnace, oven, thermostat water bath, are installed in college laboratory with digital temperature controller. Besides, energy conservation events also organised to know the importance and benefits of energy conservation.



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B. Phange
 IQAC Coordinator,
 A.D.K. Science College
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Deepakbhai Kasarkar
 Principal
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Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste

Waste disposal includes the activities and actions required to manage waste from its inception to its final disposal. This includes the collection, transport, treatment and disposal of waste, together with monitoring and regulation of the waste management process. Waste produced is solid, liquid, or gas, each type has different methods of disposal and management.

Solid waste management-

Paper and plastic are the types of solid waste produced in the campus. This waste is management in the following ways-

- Reuse of one side printed Paper for internal communication.
- Two types of Waste bins are provided at campus for biodegradable and non-biodegradable waste.

1. No of dustbin: - 15


2. Waste disposal quantity 20 KG approx. per Month

Liquid waste management-

Institute has acid base neutralization mechanism to neutralize liquid waste. The recycled water is used to water plants in the institute garden through a proper mechanism. This minimises the consumption of water in the campus.

Management of various Degradable and non-Degradable Waste

Effective management of waste – either by disposal or recycling, is a critical process for any organisation as it impacts the health and environment of not only the people working in the campus but also of those living in the vicinity. Providing a healthy and safe environment is therefore of utmost priority at Aamdar Deepakbhai Kesarkar Science College Dodamarg.


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Policy

SOLID WASTE MANAGEMENT:

Solid waste management in the college is accomplished either by inhouse utilisation/ consumption or by outsourcing its collection and disposal to in Dustbins. Over 20 bins have been provided across the campus for collection of the solid waste generated at different sources in the campus. These bins are colour coded specific to a category of solid waste, viz:

Solid waste management-

Paper and plastic are the types of solid waste produced in the campus. This waste is management in the following ways-

1. Reuse of one side printed Paper for internal communication.
2. Two types of Waste bins are provided at campus for biodegradable and non-biodegradable waste.
3. No of dustbin: - 20
4. Waste disposal quantity 10 KG approx. per Month

Green – Biodegradable, organic waste like cooked food, vegetables, fruit, leaves, etc.

Blue – Recyclable waste like paper, cartons, cans, metallic items, etc.

Red – Non-degradable waste like glass, blades, etc.

All the non-toxic, biodegradable waste is collected and used for making compost.

NON – BIODEGRADABLE SOLID WASTE:

Collection and disposal of all non-biodegradable solid waste has been outsourced to Nagarpanchayat of Dodamarg Tehsil for the disposal of non-degradable solid waste at the dumping yard.

LIQUID WASTE MANAGEMENT:

Liquid Waste: Laboratory treated by removing toxic materials by neutralising acid base that may otherwise cause damage to the environment.

Waste Recycling System: The College has adopted a minimum and essential use of paper policy which helps in the conservation of resources and only a small amount of paper is wasted.



Waste disposal includes the activities and actions required to manage waste from its inception to its final disposal. This includes the collection, transport, treatment and disposal of waste, together with monitoring and regulation of the waste management process. Waste produced is solid, liquid, or gas, each type has different methods of disposal and management.

Liquid waste management-

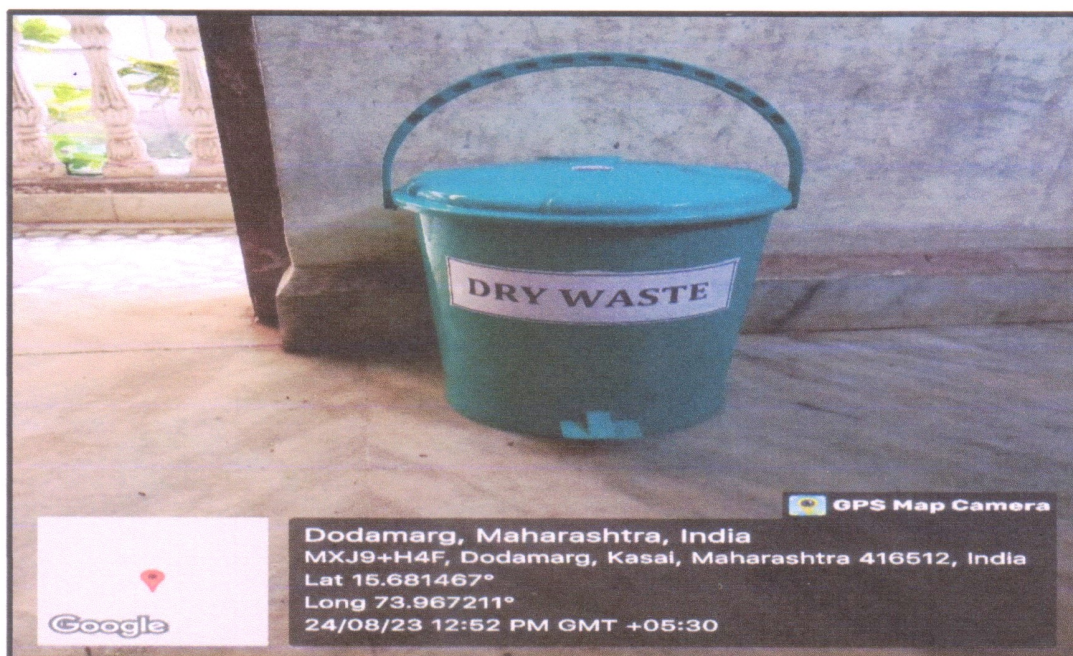
The recycled water is used to water plants in the institute garden through a proper mechanism. This minimizes the consumption of water in the campus.

Biomedical waste management- Biomedical waste discarded i.e. Lancets, bandages, used masks, sanitation pads from ladies common room, etc. are collected in the dustbins and disposed by local vendors who collect solid waste from college.

E waste management- Currently there is no procedure followed.

Waste recycling management- Only the wastewater is recycled. No other waste is currently recycled.

Hazardous and radioactive waste management- There is no hazardous waste produced in the Institute.





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WATER CONSERVATION POLICY

The aim of the policy is to minimise water wastage and conserve water. We strive to follow National Water Policy guidelines in the campus by adopting water conservation measures.

- In the campus water, conservation is mainly done by rainwater harvesting. During rainy season rainwater is collected and directed to the bore well for percolation.
- Bore well are maintained in the campus to meet water requirements. Measures are taken to conserve ground water recharging.
- Sensitization on Water conservation is promoted by planting trees, by conducting green campus promotion activities and by organizing seminars and workshops.
- Reusing and recycling water is done to reduce the wastage of water. Recycled water is used for watering plants inside the campus.
- Extension activities are organized to sensitize and educate the local community about the importance of water and the methods to conserve it.

Wastewater Management/ Rainwater harvesting

Waste Water:

1. In our campus, we neutralised our laboratory wastewater by acid base neutralisation.
2. Wastewater of washbasin is use for plants.

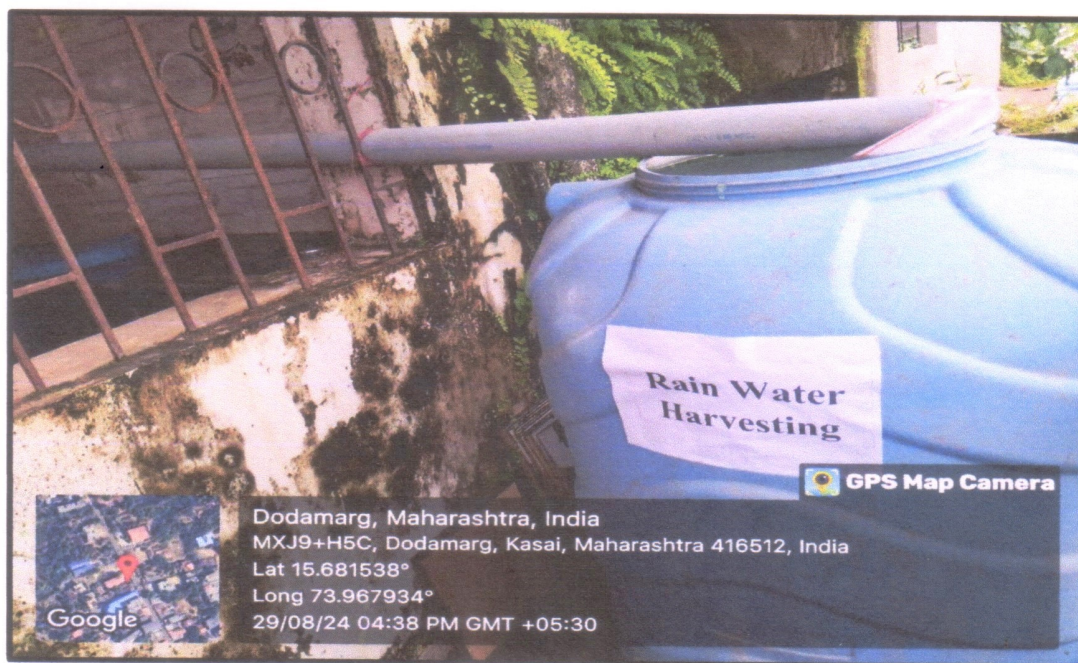
Rain Water Conservation:

In our campus, we collect rainwater in underground tanks and these tank supply water in bore well. These bore well water also use for daily uses in college activity.


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Green Campus Initiatives

A Green Campus is a place where environmental friendly practices and education combine to promote sustainable and eco-friendly practices in the campus. The green campus concept offers an institution the opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating sustainable solutions to environmental, social and economic needs of the mankind.


Scope of the Policy

The Green Campus, Energy and Environment Policies will develop exciting new co-curricular and extracurricular practices that encourage students to take the lead in creating positive change. These initiatives call for a thorough review of all infrastructural, administrative functions from the standpoints of energy efficiency, sustainability and the environment.

The focus areas of this policy are:

- Clean Campus Initiatives
- Clean Air Initiatives
- Smoking Free Campus
- Installation of Energy Efficiency Equipment
- Water Conservation through Rainwater Harvesting System
- Waste Management processes
- Solid Waste Management

Liquid Waste Management


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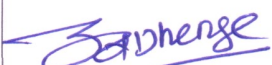



Principal

Amdar. Deepakbhai Kesarkar Science College
Dodamarg, Tal. Dodamarg, Dist. Sindhudurg

- E-Waste Management
- Awareness Initiatives
- Environment-centric Student Societies and Department Activities
- Plastic-Free Campus

Greening the campus is all about sweeping away wasteful inefficiencies and using conventional sources of energies for its daily power needs, correct disposal handling, purchase of environment friendly supplies and effective recycling program. Institute has to work out the time bound strategies to implement green campus initiatives. These strategies need to be incorporated into the institutional planning and budgeting processes with the aim of developing a clean and green campus.


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Objectives of the Policy

- To protect and conserve ecological systems and resources within the campus.
- To ensure judicious use of environmental resources to meet the needs and aspirations of the present and future generations.
- To integrate environmental concerns into policies, plans and programmes for social development and outreach activities.
- To work with all stakeholders and the local community to raise awareness and seek the adoption of environmental good practice and the reduction of any adverse effects on the environment.
- To continuously improve the efficient use of all resources, including energy and water, and to reduce consumption and the amount of waste produced, recovering and recycling waste where possible.
- To make the campus plastic free.
- To conduct environmental and energy audits from time to time.
- To minimize the use of paper in administration through having policy for E-governance.


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Policy:

Clean Campus Initiatives in Aamdar Deepakbhai kesarkar Science College Dodamarg had pledged to actively coordinate cleanliness activities in the college and beyond the campus in accordance with the vision of Swachh Bharat Abhiyan. It commits to continue with this Programme.

The broad vision is as follows:

1. 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.
2. Activities under 'Swachh Bharat Abhiyan' will be a key component of all the community work being done by DLLE volunteers of the college.
3. Staff Members will be encouraged to participate in the cleanliness drive in the college campus.
4. Events such as poster and slogan competitions, essay writing, speeches on 'Swachh Bharat' will be organised.
5. Rallies on themes connected with 'Swachh Bharat Abhiyan' in and around the college campus will be conducted to create mass awareness
6. Remove all kinds of waste material like broken furniture, unusable equipment etc.
7. Administer of the pledge by students and staff members to maintain cleanliness of the college campus and its surrounding areas on an annual basis.
8. Conduct workshops on the 3Rs: Reduce, reusing and recycling of waste.
9. Commit to manage waste and maintain clean campus especially during college events.

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Things to do:

1. Management of every institute has to develop a plan to save energy at the institute level with time bound plan to install 10 KW Solar Power Station mandatorily either at the top of college building or in open field. This will enable the institute to have 24x7 power supply.
2. Principal of the Institute will phase out the CFL and conventional light source such as bulbs and tube lights, halogen and mercury street/campus lights. These steps will not only save the money but make the institute self-sustainable.
3. Save Energy will be the motto of every day's working in each institute. Every institute will purchase only energy star compliant computers and equipment's. If energy star is unavailable, purchase the most energy-efficient model available in the market.

Save Energy TIPS

1. Activate power management features on computer and monitor so that it will go into a low power "sleep" mode when you are not working on it.
2. Turn off monitor when you leave your Table.
3. Activate power management features on laser printer.
4. Whenever possible, shut down rather than logging off.
5. Turn off unnecessary lights and use daylight instead.
6. Avoid the use of decorative lighting.
7. Use LED or compact fluorescent bulbs.
8. Keep lights off in conference rooms, classrooms, lecture halls when they are not in use.
9. Use the fans only when they are needed.
10. Unplug appliances not plugged into power strips (like Refrigerators, printers, faxes, chargers etc.)


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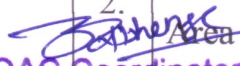
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Green Campus Initiative Programmes in College

Sr. No.	Name Of Activity	Date	Organizing Committee
1.	World Nature Conservation Day	23/08/2019	Department Of Zoology
2.	Gandi Jayanti And Swatch Bharat Abhiyan	02/10/2019	Cultural Committee
1.	World Nature Conservation Day	21/03/2022	Department Of Zoology
1.	World Environment Day	05/06/2022	Department Of Zoology
2.	World Nature Conservation Day	23/08/2022	Department Of Zoology
3.	Ozone Day Celebration	16/09/2022	Department Of Zoology
4.	Swatch Bharat Abhiyan	02/10/2022	Cultural Committee
5.	Cleanliness drive in campus & Dodamarg		
1.	One Day Kasainath Temple area cleaning	29/08/2023	DLLE
2.	Vanbhojan & Tilari Forest Area Cleaning	12/01/2024	DLLE


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Institutional initiative's for green campus


Following Practices are the initiative for greening campus:

1. Signboard for creating environmental consciousness.
2. Plastic free campus
3. Reduce use of papers
4. No Vehicle Day (1 Day in Week)

Sr. No.	Name of Activity	Outcome
1.	Tobacco free campus banner	<ul style="list-style-type: none">• Increased Awareness: A banner can raise awareness about the campus policy, making students, staff, and visitors more conscious of the rules and the reasons behind them.• Behavioural Change: Visible reminders can encourage individuals to comply with the policy, leading to fewer people using tobacco on campus.
2.	Smoking Free Campus banner	<ul style="list-style-type: none">• Clear Communication: The banner provides a clear, visible message about the campus's smoking-free policy, helping to ensure that everyone is aware of the rules.


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		<ul style="list-style-type: none"> • Cleaner Grounds: With smoking prohibited, there will be less litter from cigarette butts and other smoking-related waste, contributing to a cleaner campus. • Aesthetic Improvement: A smoke-free campus often appears more well-maintained and attractive.
3.	Plastic free Campus banner	<ul style="list-style-type: none"> • Reduced Plastic Waste: A plastic-free policy can significantly decrease the amount of plastic waste generated on campus, contributing to less pollution and litter. • Conservation of Resources: Reducing plastic use helps conserve natural resources and decreases the environmental impact associated with plastic production and disposal.
4.	Save Energy banner	<ul style="list-style-type: none"> • Cost Savings: Lower energy consumption can lead to decreased utility costs, allowing funds to be redirected toward other campus needs or sustainability projects. • Awareness Campaign: The banner can be part of a broader campaign to educate the campus community about energy conservation techniques and the benefits of saving energy.



5.	Green Chemistry Banner	<ul style="list-style-type: none"> • Adoption of Practices: The banner encourages the adoption of green chemistry practices, such as using less hazardous substances, reducing waste, and improving energy efficiency in chemical processes. • Mindful Research: It promotes more thoughtful consideration of environmental and health impacts in chemical research and laboratory activities.
6.	Spit Free Campus Banner	<ul style="list-style-type: none"> • Cleaner Environment: By discouraging spitting, the banner helps maintain a cleaner and more sanitary campus, reducing the spread of germs and unpleasantness. • Reduced Health Risks: Less spitting lowers the risk of transmitting diseases and maintaining a healthier environment for everyone.



धुम्रपान निषिद्ध क्षेत्र

**येथे धुम्रपान केल्यास रु.२००/-
एवढा दंड आकारला जाईल**



तुम्हाला कुणी धुम्रपान करताना
तंबाखू खाताना दिसल्यास सुचना द्या
प्राचार्य
फोन नं. (02363) 256755, 9096734707

GPS Map Camera

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Shramik Vidyarthi Dnyanaseva Sanstha's

**AMDAR DEEPAKBHAI KESARKAR SCIENCE COLLEGE
DODAMARG
(Bachelor of Science)**

Plastic Free Campus

One Step away from Plastic,
One Step Closer to Cleanliness.



GPS Map Camera

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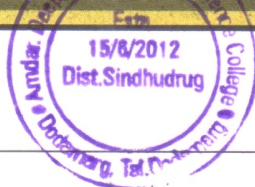
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**Saving Energy TODAY will
make TOMORROW BRIGHT**

GPS Map Camera

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 (Bachelor of Science)

 **3 R's** 

Reduce/Reuse/Recycle

GPS Map Camera


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Small Steps, Big Impact-
Go Green for a
Better Tommorrow !



GPS Map Camera

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Spit Free Campus



GPS Map Camera

Google

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Disabled-friendly, barrier free environment

To support physically challenged students, barrier free ramp has constructed by the institution

