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

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

PANDIT RAGHUNATH MURMU SMRITI MAHAVIDYALAYA Estd.-1986 Bankura

Principal
P.R.M.S. Mahavidyalaya
P.O.-Jamboni, Dist.-Bankura

Report On

"Environmental Day"

AT

College Campus and Surrounding
On
5th June- 2023

Organized by

Department of Forestry

PANDIT RAGHUNATH MURMU SMRITI MAHAVIDYALAYA

Ph. No.: (03243) 259236

P. R. M. S. MAHAVIDYALAYA.

Baragari (P. More): P.O. : Jamboni :: Dist. : Bankura – 722150.
E-Mail: prmsmahavidyalaya@yahoo.co.in

Ref. No.:

Date: 15-06-2023

Details of the Program

TITLE OF THE PROGRAMME: WORLD ENVIRONMENT DAY

ORGANISED BY: THE DEPARTMENT OF FORESTRY

DATE OF PROGRAMME: 05-06-2023

NUMBER OF TEACHER PARTICIPANTS: 06

NUMBER OF NTS PARTICIPANTS: 04

NUMBER OF ACTIVE TEACHER AND STUDENT PARTICIPANTS: 21

TOTAL NUMBER OF STUDENT PARTICIPANTS: 112

VENUE: College Premises

TIME: 10 am

PANDIT RAGHUNATH MURMU SMRITI MAHAVIDYALAYA Estd.-1986 Bankura

Signature of The Principal
Principal
P.R.M.S. Mahavidyalaya
P.O.-Jamboni, Dist.-Bankura

Introduction: Continuing with its tradition of preserving the environment and having eco-friendly activities, the "Tree Plantation Event" was conducted on the campus of PRMS Mahavidyalaya to celebrate Environmental Day on June 5, 2023.

Understanding the importance of nature for our existence and conserving nature in all its forms is our moral responsibility. It's not too hard to believe that without trees, we humans would not exist on this beautiful planet. Also, we have felt a change in purity in nature and a reduction in pollution effects during this pandemic situation.

While the latest technology has provided us with many benefits, the consequent urbanisation and industrialization also have some undesirable side effects; global warming is one of those. This event is a positive step towards achieving a healthy environment, reconnecting humans to nature, and fostering environmental stewardship.

Program Details: The event began with welcoming the principal and forest range officer, Mr. BhajanKirtan, and all faculties, staff, and students' participants at: More than 50 students, faculty, and staff members have participated in the event.

Dr. SubhasisMahato delivered a speech by wishing "Tree Plantation" as well as "Environmental Day." He shared the importance of nature and how we can protect it for the betterment of the future. The outlook towards nature must be changed from utility to ivinity. Trees are the most important part of natural resources. It is our moral responsibility to conserve it with the highest priority. Principal Dr. Nilangshu Ghosh added, We should not only save the trees but should put our equal efforts into planting and nurturing the trees at least for the next 4–5 years." He also explained the importance of such an event in developing a good virtue in one's life. After that, all of us collect all non-degradable products

from the campus and cline.

SL.No	Name of Plant	Number of Plant
1.	*Artocarpus heterophyllus (khatal)*	5
2.	*Azadirachta indica (Neem)*	10
3.	*Dalbergia sissoo (Sissoo)*	5
4.	*Emblica officinalis (Amla)*	5
5.	*Mangifera indica (Amm)*	10
6.	*Psidium guajava (Payara)*	5
7.	*Syzygium cumini (Jam)*	10

All the participants have planted more than 50 saplings around the campus. At the plantation of saplings, all have recited a shloka to maintain the divinity between humans and nature.

The event ended with a rally march of students, led by Principal Dr. NilangshuGhosh, Mr. Susanta Jana, Dr. SubhasisMahato, Dr. Biplob Mondal (NSS Coordinator), other college faculty, and State Forest Department members, along with slogans and awareness placards. We marched starting from the college campus, and then Boragari Village up to Pirorgari was attracted by our procession.

Principal
P.R.M.S. Mahavidyalaya
P.O.-Jamboni, Dist.-Bankura

PANDIT RAGHUNATH MURMU SMRITI MAHAVIDYALAYA
ESTD.-1986
P.O.-Jamboni
Dist.-Bankura
BARAGARI

Report On

"International Day of Forest" or "World Forestry Day"

AT

Neturpur Primary School
On
21st March-2023

Organized by

Department of Forestry

PANDIT RAGHUNATH MURMU SMRITI MAHAVIDYALAYA

Saranga, Bankura, West Bengal

PANDIT RAGHUNATH MURMU SMRITI MAHAVIDYALAYA
ESTD.-1986
P.O.-Kamabani
Dist.-Bankura
BARAGARI

Ph. No.: (03243) 259236

P. R. M. S. MAHAVIDYALAYA.

Baragari (P. More): P.O. : Jamboni :: Dist. : Bankura – 722150.
E-Mail: prmsmahavidyalaya@yahoo.co.in

Ref. No.:

Date: 15-06-2023

Details of the Program

TITLE OF THE PROGRAMME: WORLD FORESTRY DAY

ORGANISED BY: THE DEPARTMENT OF FORESTRY

DATE OF PROGRAMME: 21-03-23

NUMBER OF TEACHER PARTICIPANTS: 08

NUMBER OF NTS PARTICIPANTS: 02

NUMBER OF ACTIVE TEACHER AND STUDENT PARTICIPANTS: 22

TOTAL NUMBER OF STUDENT PARTICIPANTS: 105

VENUE: College Premises

TIME: 10 am

PANDIT RAGHUNATH MURMU SMRITI MAHAVIDYALAYA Estd.-1986 Bankura

Signature of The Principal

Principal
P.R.M.S. Mahavidyalaya
P.O.-Jamboni, Dist.-Bankura

Introduction

The history of the International Day of Forests can be traced back to 1971 when the Food and Agriculture Organization of the United Nations (FAO) established World Forestry Day. The day was established to create and raise awareness of the importance of forests for people and the planet. The International Forest Day was established on the 21st day of March, by the resolution of the United Nations General Assembly on November 28, 2013 each year various events celebrate and raise awareness of the importance of all types of forest and trees outside the forest, for the benefit of current and future generation. In 2023, theme is "Forests and Health." Forests give us so much to our health. They purify the water, clean the air, capture carbon to fight climate change, provide food and life-saving medicines, and improve our well-being. It's up to us to safeguard these precious natural resources.

List of Events, Venue, Time, Participation

Event Name	Venue	Time	Participation And Presented by
Awareness Rally	Neturpur Village	10:30 AM	1. Faculty members 2. Student of Neturpur primary school 3. Student of department of Forestry

Presentation on Forest and Wildlife	Neturpur Primary School	12:00 PM	Soumyadeep Mahanto
Presentation on Human Elephant Conflict		12:30 PM	Abhiram Patra
Presentation on Forest Fire		1:00 PM	Suman Das (Rimpa Sannigrahi
Quiz Competition		2:00 PM	Student of Neturpur Primary School Arpita Nayak RumaMakur Rimpa Sannigrahi Soumyadeep Mahanto.
Cultural program		2:45 PM	Riya SPM

Event Summary

On March 21, 2023, Department of Forestry (P.R.M.S. Mahavidyalaya) has organized a one-day event awareness camp on the occasion of World Forest Day at Neturpur Primary School , which focused on conservation , management and utilization of forest and trees. The event was open for public and approximately 120 people including villagers were in attendance. During these event participants, students, faculty members shared opinion, thoughts and suggestion on protecting trees, wildlife and Natural resources.

The program was graced by Dr. Subhasis Mahato (HOD- Department of Forestry), Mr Sadhan Kumar Mondol (Head Teacher- Neturpur Primary School) and Amullay Rattan Panda (JFM-Mamber).

The event had begun with a morning rally march of students, lead by Dr, Subhasis Mahato, Ratan Panda (Villager) and other faculty members along with slogan and awareness placards. We marched around the whole village and villagers were attracted by our procession.

After returning from the rally, we involved in a little photo session then the Dr. Mahato, and Mr Sadhan Kumar Mondol intern briefed about the significance of World Forestry Day highlighting the need of an hour to conserve the green belt.

In the class room audiovisual presentation period starts by the Departmental Students shared their thoughts and knowledge with kids and villagers about the harmful effects of forest fire, collision of human and elephant with a elementary introduction of forest and wildlife participation and good interaction of kids really energized us.

Acknowledgement:

We extend our gratitude to Mr Sadhan Kumar Mondol Head Teacher- Neturpur Primary School providing invaluable guidance throughout the programme. Special thanks to Amullay Rattan Panda (JFM-Mamber).and others teaching and nonteaching staff for their enthusiastic participation. We also appreciate the support of local communities and authorities in facilitating our fieldwork activities.

We also sincerely thank Dr. Neelangshu Ghosh, the principal of P.R.M.S. Mahavidyalaya, and Anish Chakraborty, the bursar, for their financial assistance and for motivating the students to participate in this kind of fieldwork.

After the presentation quiz competition started. All class students were participating spontaneously. They attend almost every question and answer them correctly after the session ends we distribute chocolate, pen, and prize to the kids.

The program was attended by all the students, faculty members and Villagers. Mr. Amullay Rattan Panda extended the vote of thanks.

Feedback & Achievement

সারেঙ্গায় বিশ্ব বন দিবস পালনে ক্ষুদে পড়ুয়ারা

নিজস্ব সংবাদদাতা, বাঁকুড়া, পণ্ডিত রঘুনাথ মুর্মু মহাবিদ্যালয়ের ডিপার্টমেন্ট অফ ফরেস্ট্রির উদ্যোগে সারেঙ্গা ব্লকের নেতুরপুর প্রাথমিক বিদ্যালয়ের সহযোগিতায় বিশ্ব বন দিবস উপলক্ষে বিশেষ অনুষ্ঠান অনুষ্ঠিত হলো ২১ মার্চ মঙ্গলবার। বন বাঁচাও - জীবন বাঁচাও - বন্যপ্রাণ বাঁচাও - পৃথিবী বাঁচাও এই স্লোগানে ও প্লাকার্ড হাতে ছাত্র-ছাত্রীরা সারা গ্রাম ঘুরে মিছিল করলো, পরে বিদ্যালয়ে ফিরে এসে বন সংরক্ষণ ও বন বাঁচাও এবং জঙ্গলে আগুন না লাগানো বিষয়ে প্রতিযোগিতামূলক অনুষ্ঠান অনুষ্ঠিত হলো সারেঙ্গা ব্লকের নেতুরপুর প্রাথমিক বিদ্যালয়ে, যার মূল উদ্যোক্তা হলেন পন্ডিত রঘুনাথ মুর্মু কলেজের অধ্যক্ষ দীনাংশু ঘোষ। সমস্ত অনুষ্ঠানটি পরিচালনা করলেন এই ডিপার্টমেন্টের বিভাগীয় প্রধান ডক্টর তত্তাশিষ মাহাতো। এই বিভাগের সমস্ত ছাত্র-ছাত্রীরা এদিনের সচেতনতার মিছিলে ও সচেতনতামূলক শিবিরে অংশগ্রহণ করেছে। ছাত্র-ছাত্রীরা হলেন সৌম্যদীপ মাহাত, রিয়া সিনহা মহাপাত্র, রুমা মাকুর, পার্থসারথি বাসকল সহ অন্যান্যরা। প্রজেক্টর এর মাধ্যমে ছাত্র-ছাত্রীদের একটি সিনেমা শো দেখানো হয় যেখানে বন ও বন্যপ্রাণ বাঁচাও নিয়ে ছবিটি তৈরি করা হয়েছে। জঙ্গলে আগুন লাগানো নিয়ে বিশেষ সচেতনতার ছবি। খুশি, ছাত্র-ছাত্রীরা। বিদ্যালয়ের ছাত্রী শিল্পা পাহাড়ি, বৃষ্টি লোহার, অতুল পাহাড়িরা বলে এই ধরনের অনুষ্ঠান আমাদের জীবনে এই প্রথম যা আমাদের খুব ভালো লাগলো। আগামীদিনে আমাদের এই সচেতনতামূলক অনুষ্ঠানটি সারাজীবন মনে থাকবে। বিভাগীয় প্রধান ডক্টর তত্তাশিষ মাহাতো বলেন জঙ্গল না বাঁচলে আমরা বাঁচবো না তাই আমাদের ফরেস্ট্রি বিভাগের উদ্যোগে আজ বিদ্যালয়ের শিশুদের নিয়ে এই ধরনের একটি অনুষ্ঠান করলাম। শিশুদের মধ্যে এ বিষয়ে আগ্রহ দেখে আমরা খুশি। আগামী দিনে এই বিভাগের থেকেনে সচেতনতামূলক অনুষ্ঠান আমরা এই বিদ্যালয়ে করতে চাই। বিদ্যালয়ের প্রধান শিক্ষক সাধন কুমার মন্ডল সহ অন্যান্য শিক্ষক শিক্ষিকা এবং অভিভাবকদের উপস্থিতি ও সহযোগিতা আমাদের আগ্রহ অনেকটা বাড়িয়ে দিয়েছে। বিদ্যালয়ের ছাত্র-ছাত্রীদের পড়াশুনা দেখে আমরা অভিভূত। আজকের অনুষ্ঠানে সাথে ছিলেন বন সংরক্ষণ কমিটির সদস্য অমূল্য রতন পাত্র।

বিশ্ব বন দিবস পালনে সারেঙ্গার প্রাথমিক স্কুলে ক্ষুদে পড়ুয়ারা। - নিজস্ব চিত্র

[illegible]

ঢোলাহাটে আত্মঘাতী বধূ

নিজস্ব সংবাদদাতা, ঢোলাহাট : [illegible]

সারেঙ্গায় বিশ্ব বন দিবস উদযাপন

নিজস্ব সংবাদদাতা, সারেঙ্গা : [illegible]

কংক্রিটে ধাক্কা খেয়ে ডুবল ভটভটি

নিজস্ব সংবাদদাতা, নামখানা : [illegible]

...ের অ্যাম্বুলেন্স, দলেই বিরোধিতা

[illegible]

বাঁ...

[illegible]

ঘাটাল...

[illegible]

प्रभात खबर

शहरों का तापमान | रानीगंज : अधिकतम 30.0c

सिटी बाइट्स

विश्व वन दिवस पर निकली रैली

बांकुड़ा. पंडित रघुनाथ मुर्मू महाविद्यालय की पहल व नेतुरपुर प्राथमिक विद्यालय के बच्चों को साथ लेकर विश्व वन दिवस पर जागरूकता रैली निकाली गयी. विद्यालय के प्राचार्य नीलाशु घोष की अगुवाई में निकली रैली में प्रोफेसर शुभाशीष महतो, नेतुरपुर प्राथमिक विद्यालय के प्रधानाध्यापक साधन मंडल मौजूद रहे.

Swachha Bharat/ Campus & Surrounding Cleaning on 24/09/2022, 25/03/2023 and 05/06/2023

PANDIT RAGHUNATH MURMU SMRITI MAHAVIDYALAYA
ESTD.-1986
P.O.-Jamboni
Dist.-Bankura
BARAGARI

1. Title: Native Species Seed Ball Preparation and Dispersal

2. The Context that required initiation of the Practice:

PRMS Mahavidyalaya is situated in the fringe areas of Choto Nagpur Platu. The Chota Nagpur Plateau is a storehouse of mineral resources such as mica, bauxite, copper, limestone, iron, coal, etc. Because of the reach of minerals, a lot of land is converted into degraded land due to open mining. This plateau and its fringe area are threatened by natural calamities such as drought and increased temperature, resulting in the loss of livelihoods and outmigration. This blog talks about tribal land rights and seed balls, a novel initiative adopted to restore the forest area. Adjacent Bankura district of West Bengal has been described as the "connecting link between the plains of Bengal on the east and Chota Nagpur plateau on the west.

An interactive seed ball series organised by the college introduced the students to the wonderful world of gardening through the fun activity of collecting seeds and preparing seed balls. The programme aimed at providing green education to the students, teachers, and stack holders and also encouraged them to kick off the monsoon season in an eco-friendly way. The entire activity was a huge success, as one could say. Just a small ball made of soil, manure, and some seeds is actually the promise every student will hold in his hand for a green world to come. Seed balls are an easy way to grow trees with a longer germination time span. They are inexpensive and can be easily dispersed over large areas, which are often hard to reach. Direct seeding reduces the shock of transplanting saplings and helps the young trees grow stronger roots and, hence, stronger trees.

3. Objectives of the practice:

1. The PRMS Mahavidyalaya is focused on helping to protect and enhance green areas in forests. This helps make sure that the forests are used in a way that doesn't harm the environment, preserves the variety of plants and animals, and keeps the natural balance between Forest Dwelling Scheduled Tribes and Other Traditional Forest Dwellers. The community is actively participating to gain

PANDIT RAGHUNATH MURMU SMRITI MAHAVIDYALAYA Estd.-1986 Bankura

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P.O. [illegible]oni, Dist.-Bankura

their rights over the forest land and conserve the forest for effective use. Some broad and future objectives include:

2. Reforestation and Afforestation: Seed balls are an efficient way to reforest degraded areas, contributing to biodiversity conservation and ecosystem restoration.
3. Soil Conservation: Seed balls help prevent soil erosion by providing vegetation cover, stabilising the soil, and promoting moisture retention.
4. Biodiversity Enhancement: By dispersing a variety of native seeds in seed balls, diverse plant species can be reintroduced into an ecosystem, enhancing biodiversity.
5. Climate Change Mitigation: Planting trees through seed balls helps sequester carbon dioxide from the atmosphere, mitigating the effects of climate change.
6. Community Engagement: Seed ball planting initiatives often involve local communities, fostering a sense of ownership and responsibility towards environmental conservation.
7. Wildlife Habitat Restoration: Planting trees and other vegetation through seed balls creates habitats for various wildlife species, supporting ecosystem balance and resilience.
8. Water Conservation: Trees and other plants grown from seed balls help regulate the water cycle by capturing rainwater, reducing surface runoff, and replenishing groundwater reserves.
9. Sustainable Land Management: Seed ball planting promotes sustainable land use practices by restoring degraded land, enhancing ecosystem services, and improving the overall resilience of landscapes to environmental pressures.
10. Basic Needs: Native seed balls help to develop native tree species, which provide fuelwood, fodder, small timber, etc. for the locales.

4. *The Practice:*

In the first-year training session, topics like the need for making seed balls, how to prepare them, and how to execute the project independently were discussed. The students learned to prepare the mixture and the procedure for future use.

To restore and conserve the forests, about 5000 seed balls will be prepared and dispersed every year, containing native seeds such as Kend, Mahua, Palas, Siris, Asan, Jammun, Neem, Bel, Bahara, Hartaki, Imli, etc. Seed ball plantations can be an engaging way to educate and empower participants to contribute to environmental conservation. Here's an outline of the programme:

I. Introduction to Seed Balls: Provide an overview of what seed balls are, their history, and their benefits for the environment.
II. Importance of Reforestation: Explain the significance of reforestation in combating climate change, conserving biodiversity, and mitigating soil erosion.
III. Components of Seed Balls: Discuss the ingredients needed to make seed balls, including seeds, clay, compost, and water.
IV. Making Seed Balls: Lead a hands-on session where participants can make their own seed balls. Provide guidance on the proper mixture ratios and techniques for shaping and drying seed balls.

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V. Seed Selection: Discuss the importance of selecting native plant species and appropriate seeds for the local ecosystem. Highlight the benefits of using indigenous seeds for better adaptation, biodiversity support, and locally available.

VI. Planting Techniques: Demonstrate effective planting techniques for seed balls, including methods for dispersal and optimal planting times and locations.

VII. Maintenance and Monitoring: Explain the importance of post-planting care, such as watering and monitoring seed ball sites for germination and growth.

VIII. Community Engagement Strategies: Discuss ways to involve local communities, schools, and organisations in seed ball planting initiatives. Explore opportunities for collaboration and outreach.

Different Native Seeds

Principal
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Dist.-Bankura

Seed extraction from fruit/ pod

Seed extraction from fruit/ pod

FYM

Mixing FYM and Clay Soil

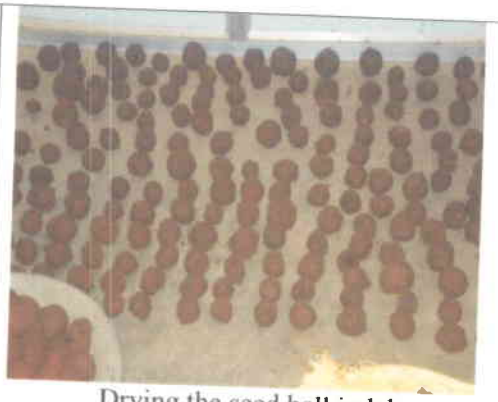
Mud Preparation

Seed Ball Preparation

Seed Ball Preparation

Principal
P.R.M.S. Mahavidyalaya
Chhoni, Dist.-Bankura.

Seed Ball Preparation



Drying the seed ball in lab

Placed in a container

Estd.-1966 Bankura

Principal
P.R.M.S. Mahavidyalaya
P.O.-Jamboni, Dist.-Bankura

Carrying the seed ball in cycle

Principal
D.R.M.S. Mahavidyalaya

Dispersion the Dry Seed Ball in Degraded land

Germinate the seed ball

Impact of best practices:

This practice, degraded soil and places used for rock mining, seed ball plants can have a number of beneficial effects. These seed balls' primary goal is to boost plant diversity and rejuvenate native tree species, both of which can aid in the sustainability of the ecosystem. Following plant growth, it can give local species a place to live and food supplies, assisting in the preservation of biodiversity. Because mining operations disturb these places, it can aid in soil stabilization and erosion control, two problems that frequently arise there. Additionally, by reviving vegetation cover and enhancing the aesthetics of the landscape, the plants can aid in reclamation efforts.

List of species used during seed ball preparation

Sl. No	Botanical Name	Common Name	Family
1.	*Abroma augustum*	Ulat Kamble	Malvaceae
2.	*Albizia lebbeck*	Seris	Fabaceae
3.	*Anacardium occidentale*	Kaju	Anacardiaceae
4.	*Butea monosperma*	Palas	Fabaceae
5.	*Caesalpinia pulcherrima*	Radhachura	Fabaceae
6.	*Delonix regia*	Krishnachura	Fabaceae
7.	*Gmelina arborea*	Gamhar	Verbenaceae
8.	*Mimusops elengi*	Bakul	Sapotaceae
9.	*Pongamia pinnata*	Karanj	Fabaceae
10.	*Pterocarpus marsupium*	Piyasal	Fabaceae
11.	*Sapindus mukorossi*	Reetha	Sapindaceae
12.	*Terminalia bellirica*	Bahera	Combretaceae
13.	*Terminalia chebula*	Haritaki	Combretaceae

REPORT ON

COMMUNITY AWARENESS PROGRAM:29TH JUNE,2022

AT

Pandit Raghunath Murmu Smriti Mahavidyalaya

Baragari,Jamboni,Bankura

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P.O.-Jamboni
Dist.-Bankura
BARAGARI

ORGANISED BY

NATIONAL SERVICE SCHEME

Community Awareness Program in Collaboration with Krishnapur Primary School

Introduction

The community awareness program initiated in collaboration with Krishnapur(Adopted Village) Primary School aims to promote knowledge, awareness, and involvement in various social, environmental, and educational initiatives within the local community. The program focuses on engaging students, parents, and community members to foster a sense of responsibility and activism towards issues that directly impact their immediate surroundings.

Objectives

Educational Outreach: To educate students and community members about important social and environmental issues through interactive workshops, seminars, and educational materials.

Community Engagement: To foster a sense of involvement and responsibility within the community towards addressing local challenges and promoting positive change.

Partnership Building: To establish a strong and sustainable partnership between Krishnapur Primary School and the local community for active collaboration on various initiatives.

Empowerment and Action: To empower students and community members to take actionable steps towards improving their community by instilling a sense of ownership and pride.

Program Components

The community awareness program comprises the following components:

1. Educational Workshops

Conducting workshops on topics such as environmental conservation, health and hygiene, and civic responsibilities.

Engaging students in hands-on learning activities to instill practical understanding of the subject matter.

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2. Awareness Campaigns

Organizing awareness campaigns on issues like waste management, water conservation, and the importance of a clean and green environment.

Distributing informational materials and promoting dialogue on related topics.

3. Parental Involvement

Encouraging parental involvement through information sessions on child development, education, and the importance of family participation in community activities.

4. Building Partnerships

Collaborating with local organizations and NSS to support the program's initiatives and foster a sense of community belonging.

5. Interactive Events

Hosting interactive events such as community clean-up drives, tree planting initiatives, and art exhibitions to showcase community efforts and achievements.

Expected Outcomes

Increased awareness and knowledge among little students and community members on pertinent social and environmental issues.

Enhanced community engagement and participation in local initiatives for the betterment of the community.

Strengthened partnership between Krishnapur Primary School and the surrounding community, leading to sustained collaborative efforts.

Conclusion

The community awareness program in collaboration with Krishnapur Primary School is driven by the aim to empower individuals with knowledge and inspire a sense of responsibility toward community development. By fostering partnerships, engagement, and education, the program seeks to create a more informed and proactive community that takes pride in contributing to positive change. NSS Unit of PRMSM promises to do all needful for the community development of Jangal Mahal.

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This initiative holds the potential to not only benefit the immediate community but also serve as a model for similar endeavours in other regions, promoting a culture of responsible citizenship and community involvement.

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Pandit Raghunath Murmu Smriti Mahavidyalaya

Green Campus Initiatives of the Institution

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SESSION—2018-19

Green Campus Initiative

Educational institutions have implemented the Green Campus Initiative, a comprehensive sustainability program, in an effort to reduce their environmental effect and promote an eco-conscious culture among staff, teachers, and students. This program includes several tactics meant to minimize waste production, cut down on resource usage, and encourage sustainable behaviors in all areas of campus operations and buildings. It includes actions like reducing waste and recycling to keep materials out of landfills, adopting energy-efficient technologies and renewable energy sources, and choosing sustainable transportation options to cut down on carbon emissions from commuting.

In addition, the Green Campus Initiative places a strong emphasis on raising campus community awareness of environmental issues, educating them about sustainability, and incorporating sustainability principles into the curriculum. It also hosts workshops and activities that address these topics. Educational institutions that support the Green Campus Initiative not only help to preserve the environment but also uphold a sense of stewardship and responsibility.

Green Campus Initiatives at PRMSM

- Rainwater harvesting
- Gardening
- Bin for E Waste
- Use of LED
- Digital Library
- Restricted Entry of Vehicles
- Restricted parking
- Usage of bicycles and public transport
- Pedestrian Friendly Road
- Paperless Office (Mostly)
- Plastic free Campus
- Smoke Free campus

Rainwater Harvesting

With the primary goal of conserving freshwater resources and lowering dependency on municipal water supply, rainwater harvesting is a technique for gathering and storing rainwater for a variety of applications. Rainwater is usually collected from rooftops or other surfaces, directed into storage tanks or cisterns via gutters and downspouts, and treated for use in irrigation, toilet flushing, or other non-potable uses. Communities can alleviate pressure on water

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resources and cut utility costs by collecting rainwater to offset the need for potable water for non-treated activities.

Rainwater harvesting also aids in reducing stormwater runoff, which can exacerbate erosion and flooding in metropolitan areas. Rainwater collected on-site reduces the amount of water that is sent into storm drains, which lowers the chance of localized floods and lessens the amount of pollutants that wash off of impermeable surfaces into water bodies. This environmentally beneficial substitute for conventional non-drinking water sources for sustainable water management also helps to make communities more resilient to droughts and water scarcities.

Gardening

Gardening is the art of growing and tending plants in a specific space, whether a backyard, balcony, or communal plot, for functional and decorative reasons. It includes a broad range of tasks, such as cultivating flowers and decorative plants for aesthetic purposes as well as planting and tending to crops for food production. Gardening can be done in many ways, ranging from little container gardens to large-scale landscapes, and it can be customized to fit a variety of climates, soil types, and tastes.

Beyond being aesthetically pleasing and being happy to see plants grow, gardening has several advantages. It creates chances for outdoor enjoyment and physical exercise, improves mental health by lowering stress and anxiety, and strengthens relationships to the natural world.

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Additionally, gardening promotes environmentally friendly and ecologically beneficial behaviors including composting, water conservation, and organic growing methods. Cultivating a bright flower garden to draw pollinators or tending a vegetable patch for homegrown vegetables, gardening is a fulfilling and enlightening hobby that enables people to connect with nature and enjoy the many benefits of caring for living plants.

No Smoking Campus

A no-smoking campus is a place where academic institutions and other organizations have made it illegal to smoke or use other tobacco products on their property. This policy seeks to reduce secondhand smoke exposure, lower the risk of fire hazards, and enhance general well-being in order to make the campus a safer and healthier place for students, staff, teachers, and visitors. Generally, college laws that prohibit smoking declare all indoor and outdoor spaces—including buildings, grounds, parking lots, and sports facilities—to be smoke-free zones. Furthermore, these regulations frequently cover e-cigarettes and other vaping products in order to address new health issues and encourage a smoke-free atmosphere. By implementing a no smoking campus policy, institutions prioritize the health and comfort of their community members while also setting a positive example for promoting tobacco-free lifestyles.

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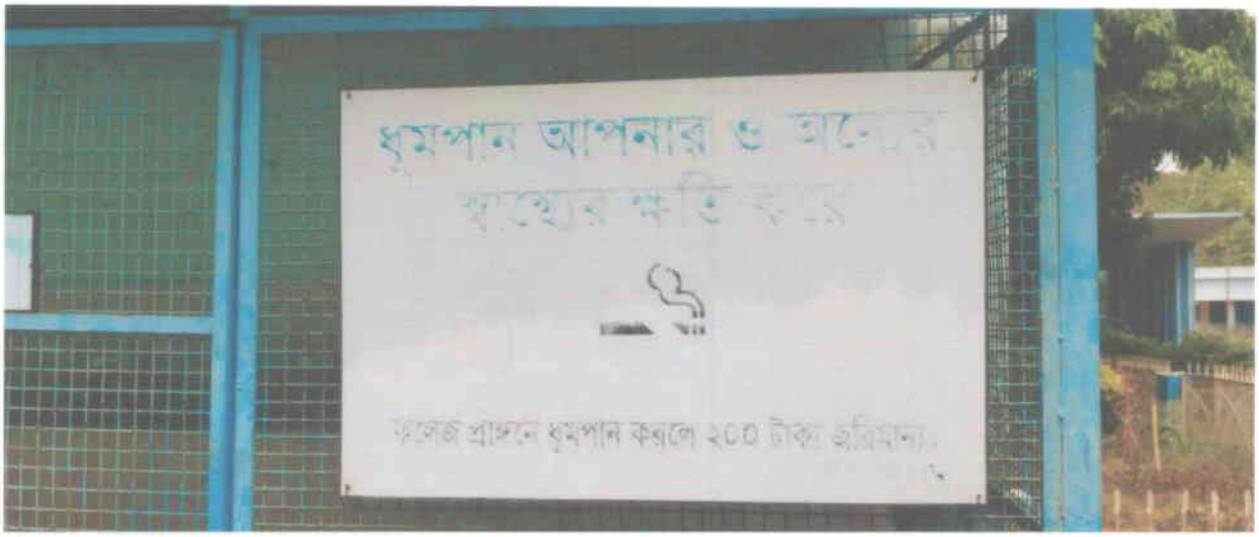

Usage of Bicycles And Public Transport

Bicycles and public transportation are two sustainable modes of transportation that can help reduce carbon emissions, ease traffic, and encourage healthier living. Communities may enable accessible and safe options for commuting and moving around town by constructing infrastructure such as bike lanes, bike racks, and public transit lines. Public transportation systems such as buses, trains, and trams offer effective substitutes for driving, especially in urban areas, while bicycles offer a zero-emission method of transportation that enhances air quality and lessens dependency on fossil fuels. Embracing bicycles and public transport not only helps mitigate the environmental impact of transportation but also promotes physical activity, enhances mobility for all residents, and fosters a sense of community by connecting people to shared spaces and experiences.

LED (Light Emitting Diode) Technology

Colleges can use LED (Light Emitting Diode) technology for a variety of purposes that improve learning environments, save money, and use less energy. Since LED lighting lasts longer, uses less energy, and is brighter than traditional lighting sources, it is frequently utilized in lecture halls, classrooms, libraries, and other campus buildings. To further optimize energy usage, LED lighting can also be combined with smart controllers and sensors to change brightness levels based on occupancy patterns and natural light. In addition to lighting, LED signage and displays are used for wayfinding, digital signage, and informational purposes. This creates dynamic platforms for communication around the campus. LED technology thus plays a vital role in

modernizing college campuses, creating sustainable and technologically advanced environments conducive to learning and collaboration.

Restricted Parking

Restricted Parking zones and spaces are designated for specific purposes such as service, disability, loading/unloading, and reserved spaces. ONLY vehicles with a special permit designated to these zones may park in them.

A Paperless Office

In a collegiate context, a paperless office refers to the use of digital technology and techniques to reduce or do away with paper-based records and procedures. With this strategy, workflows that were formerly paper-based are replaced with electronic ones using things like online forms, cloud-based storage, digital signatures, and digital documentation. Colleges can cut down on paper waste, expedite administrative work, and save money by adopting a paperless office setting that eliminates the need to print, store, and handle physical papers. Furthermore, by lowering the institution's environmental impact, digitizing papers promotes greater efficiency and productivity across campus as well as easier access, sharing, and cooperation amongst teachers, staff, and students.

Solar Energy

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The integration of solar power systems to capture renewable energy from the sun for a variety of campus uses is known as solar energy in colleges. In order to generate electricity and lessen their need on fossil fuels, colleges install solar panels on their parking lots, rooftops, and open areas. This also helps to reduce carbon emissions. Photovoltaic (PV) panels, which turn sunlight into energy, and solar thermal systems, which heat water or spaces, are common components of these solar projects. Colleges that invest in solar energy not only show that they are committed to sustainability, but they also save money over time by offsetting their energy costs and possibly even making money from surplus energy output. Moreover, solar energy initiatives in colleges serve as educational opportunities, allowing students to learn about renewable energy technologies and environmental stewardship while actively contributing to a greener campus and a more sustainable future.

The Benefits

Benefits to the Environment

The Green Campus Initiative offers numerous benefits to the environment, including:

- Decreased carbon emissions: Colleges can mitigate the effects of climate change by adopting energy-efficient practices, such as utilizing renewable energy sources and consuming less energy. By doing so, they can dramatically reduce their carbon footprint.
- Conservation of natural resources: While reducing habitat degradation and maintaining biodiversity, programs like waste reduction, sustainable landscaping, and water conservation help save valuable resources like water and land.
- Better air and water quality: Green campuses help the local communities enjoy better air and water by encouraging greener modes of transportation, lowering pollutants from energy generation, and putting green infrastructure in place for stormwater management.
- Less trash generation: Recycling schemes, composting projects, and attempts to reduce the use of single-use plastics and packaging help keep waste out of landfills, saving space and lowering pollution from waste disposal.
- Improved green spaces: In addition to improving the campus's aesthetic appeal, planting trees, building green roofs, and preserving natural habitats offer ecosystem services including temperature control, air purification, and wildlife habitat.
- Education and knowledge about the environment: Including sustainability ideas in the curriculum and getting the campus community involved in environmental projects

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promotes a culture of environmental responsibility and gives people the power to make decisions that are environmentally friendly.

Benefits to Students and Learning

The Green Campus Initiative offers several benefits to students and enhances the learning experience:

- Opportunities for experiential learning: Students engaged in green campus activities frequently get to take part in sustainability projects like community gardens, waste reduction campaigns, and installations of renewable energy. These practical experiences offer invaluable knowledge and abilities from the real world that may be applied to many academic fields.
- Interdisciplinary cooperation: Green campus projects usually entail cooperation across several academic departments and disciplines, promoting interdisciplinary cooperation and providing students with opportunities to learn from a variety of perspectives. This cooperative method prepares students for employment in environmental and sustainability industries by reflecting real-world concerns.
- Advocacy and leadership skills: Students who participate in green campus programs gain the ability to lead and advocate for sustainability in their communities and on campus. Students learn how to effectively communicate environmental issues, mobilize support for green initiatives, and drive positive change through advocacy and activism.
- Environmental literacy: By teaching students about ecological principles, bringing sustainability issues to light, and fostering critical thinking about environmental problems and solutions, the Green Campus Initiative works to develop environmental literacy. Students who possess this knowledge are better able to make wise choices and behave responsibly both in their personal and professional life.
- Better on-campus experience: Living and learning in a more lively and stimulating atmosphere is possible on a green campus. In addition to improving students' health and quality of life, green areas, eco-friendly facilities, and sustainable architecture also help them feel proud of and connected to the campus community.

Local and Wider Community

The Green Campus Initiative extends its benefits beyond the college campus to the local and wider community in several ways:

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- Environmental stewardship: Colleges can function as role models for environmental stewardship by introducing sustainable practices and lowering their environmental effect. This encourages other members of the community to follow suit and help create a healthier planet.
- Financial advantages: Green campus programs frequently save money by consuming less energy and reducing the cost of trash management and operations. These savings can be put back into community outreach projects, educational programs, or other community-benefitting endeavors.
- Community participation: Through outreach activities, educational initiatives, and partnerships with nearby businesses, organizations, and governmental bodies, green campus projects offer chances for community engagement and collaboration. In addition to strengthening community bonds, this partnership promotes a sense of shared responsibility for environmental sustainability.
- Better public health: Local community public health outcomes are enhanced by programs that support active mobility, lessen air and water pollution, and provide access to green areas. Residents' quality of life and wellbeing are improved by cleaner air, water, and recreational activities.
- Adaptation and resilience: Green campus programs foster community adaptability by increasing the ability to deal with environmental issues like resource scarcity, climate change, and natural disasters. Investing in environmentally friendly activities and infrastructure makes communities and colleges more resilient to environmental hazards.
- Green campus efforts boost local green industries, encourage innovation, and draw environmentally conscious firms and individuals to the area, all of which contribute to economic development. This promotes job creation, entrepreneurship, and a more sustainable economy for the wider community.

Benefits to the Institute:

The Green Campus Initiative offers numerous benefits to the institute itself:

- Cost savings: By lowering power bills, trash disposal costs, and operational costs related to property management, the institute can save a lot of money by implementing energy-efficient measures, waste reduction initiatives, and sustainable practices.
- Improved reputation and competitiveness: By embracing sustainability efforts, the institute improves its standing as a socially and environmentally conscientious

organization, drawing in funders, staff, instructors, and students who share these values. Additionally, a better reputation might result in more enrollment, higher rankings, and stronger competition in the higher education sector.

- Adherence to rules and regulations: A lot of funding organizations, accrediting authorities, and governments mandate that institutions adhere to a number of environmental standards and laws. By assisting the institute in adhering to these regulations, the Green Campus Initiative lowers the possibility of fines, penalties, and reputational harm that come with non-compliance.
- Educational opportunities: Through the Green Campus Initiative, staff, teachers, and students can learn about sustainability challenges, work on practical projects, and acquire information and skills that can be applied to a variety of academic fields and career routes. For all parties involved, this results in a more rewarding and enriching educational experience.
- Opportunities for interdisciplinary collaboration, applied research projects, and technology development in fields like renewable energy, green building design, and sustainable agriculture are some of the ways that green campus initiatives foster innovation and research. As a result, the institute is positioned as a pioneer in sustainability research and development and is encouraged to innovate.
- Long-term resilience and sustainability: The institute increases its long-term resilience and sustainability by making investments in environmentally friendly practices, infrastructure, and policies. This lowers the risks related to resource scarcity, environmental degradation, and climate change. This guarantees the institute's survival and prosperity in an increasingly linked and complicated environment.

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Green Campus Initiatives of the Institution

[redacted]

SESSION—2019-20

Green Campus Initiative

The Green Campus Initiative is a comprehensive sustainability program that educational institutions have implemented in an effort to lessen their environmental impact and foster an eco-conscious culture among staff, professors, and students. This program employs a number of strategies to reduce resource consumption, limit waste generation, and promote sustainable practices throughout campus operations and building operations. It entails taking steps to prevent waste from ending up in landfills, such as recycling and trash reduction; implementing energy-efficient technology and renewable energy sources; and selecting environmentally friendly modes of transportation to reduce carbon emissions from commuting. Furthermore, the Green Campus Initiative also emphasizes teaching the campus population about sustainability, increasing their understanding of environmental challenges, and integrating sustainability concepts into the curriculum. It also holds events and courses centered around these subjects. In addition to contributing to environmental preservation, educational institutions that support the Green Campus Initiative also uphold a sense of stewardship and responsibility.

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- Paperless Office (Mostly)
- Plastic free Campus
- Smoke Free campus

Rainwater Harvesting

Rainwater harvesting is a method of collecting and storing rainwater for use in a range of applications, with the main objective being the preservation of freshwater resources and a reduction in reliance on municipal water supplies. Rainwater is typically gathered from rooftops and other surfaces, guided by gutters and downspouts into storage tanks or cisterns, and processed for use in irrigation, flushing toilets, and other non-potable applications. By collecting rainwater to offset the need for potable water for untreated activities, communities can reduce the strain on their water supplies and lower their utility costs.

Reducing stormwater runoff, which can worsen erosion and flooding in urban areas, is another benefit of rainwater harvesting. By collecting rainwater on-site, storm drains receive less water, which diminishes the likelihood of localized flooding and the quantity of pollutants that wash into water bodies from impermeable surfaces. By replacing traditional non-drinking water sources with an environmentally friendly option, communities may manage water resources more sustainably and become more resilient to drought and water scarcity.

Gardening

The practice of cultivating and maintaining plants for both aesthetic and useful purposes in a designated area—be it a backyard, balcony, or shared plot—is known as gardening. It involves a

wide range of activities, like planting and caring for crops to produce food as well as growing flowers and ornamental plants for aesthetic reasons. There are many different methods to garden, from little container gardens to expansive landscapes, and it can be tailored to suit a range of tastes, soil types, and climates.

The practice of cultivating and maintaining plants for both aesthetic and useful purposes in a designated area—be it a backyard, balcony, or shared plot—is known as gardening. It involves a wide range of activities, like planting and caring for crops to produce food as well as growing flowers and ornamental plants for aesthetic reasons. There are many different methods to garden, from little container gardens to expansive landscapes, and it can be tailored to suit a range of tastes, soil types, and climates.

No Smoking Campus

Academic institutions and other organizations that have declared it unlawful for anyone to smoke or use other tobacco products on their premises are known as no-smoking campuses. This policy aims to make the campus a safer and healthier place for students, staff, teachers, and visitors by reducing secondhand smoke exposure, lowering the risk of fire hazards, and enhancing general well-being. The majority of campus smoking bans designate all indoor and outdoor areas as smoke-free zones, including buildings, grounds, parking lots, and sports facilities. In addition, these laws usually include provisions pertaining to e-cigarettes and other vaping products in order to address emerging health concerns and promote smoke-free environments. By

implementing a no smoking campus policy, institutions prioritize the health and comfort of their community members while also setting a positive example for promoting tobacco-free lifestyles.

Usage of Bicycles and Public Transport

Two environmentally friendly forms of transportation that can lower carbon emissions, relieve traffic, and promote healthy living are bicycles and public transportation. Communities can provide infrastructure like bike lanes, bike racks, and public transportation lines to facilitate accessible and safe options for getting around town and for commuting. Bicycles provide an emission-free mode of transportation that improves air quality and reduces reliance on fossil fuels, while public transit systems like buses, trains, and trams provide efficient alternatives to driving, particularly in urban areas. In addition to increasing everyone's mobility and lessening the impact of transportation on the environment, using bicycles and public transportation promotes physical activity and fosters community by bringing people together via shared spaces and experiences.

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LED (Light Emitting Diode) Technology

LED (Light Emitting Diode) technology has several applications in higher education that enhance learning environments while reducing costs and energy consumption. Lecture halls, classrooms, libraries, and other campus facilities usually employ LED lighting because it is brighter, lasts longer, and consumes less energy than older lighting sources. LED lighting can also be paired with smart controllers and sensors to adjust brightness levels in response to occupancy patterns and ambient light, further optimizing energy consumption. LED displays and signage are utilized for way finding, digital signage, and informational purposes in addition to illumination. As a result, there are now dynamic channels for campus communication. LED technology is consequently crucial to the upgrading of college campuses in order to provide sustainable and cutting-edge learning and collaboration environments.

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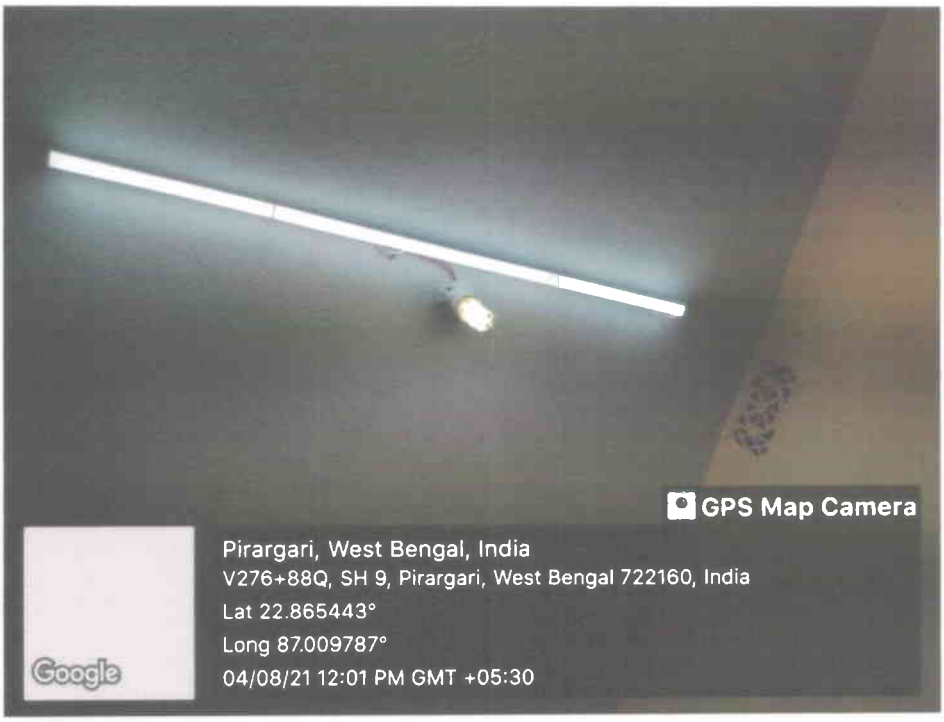

A Paperless Office

A paperless office, as used in academic settings, refers to the utilization of digital technologies and methods to minimize or eliminate paper-based records and procedures. Using tools like online forms, cloud-based storage, digital signatures, and digital documentation, this technique replaces paper-based workflows with electronic ones. By implementing a paperless office environment that does away with the need to print, store, and handle physical papers, colleges can reduce paper waste, accelerate administrative work, and save money. Furthermore, digitizing documents encourages faster access, sharing, and collaboration amongst instructors, staff, and students as well as increased efficiency and productivity across campus by reducing the institution's environmental impact.

Solar Energy

Solar energy in universities refers to the integration of solar power systems to harvest renewable energy from the sun for a range of campus functions. Colleges install solar panels on their parking lots, rooftops, and open areas to produce electricity and reduce their reliance on fossil fuels. Additionally, this lowers carbon emissions. Typical solar project components include photovoltaic (PV) panels, which convert sunlight into energy, and solar thermal systems, which heat spaces or water. In addition to demonstrating their commitment to sustainability, colleges that invest in solar energy end up saving money over time by offsetting their energy expenditures and maybe even turning a profit from their excess energy output.Moreover, solar energy initiatives in colleges serve as educational opportunities, allowing students to learn about

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renewable energy technologies and environmental stewardship while actively contributing to a greener campus and a more sustainable future.

The Benefits

Benefits to the Environment

The Green Campus Initiative has several positive environmental effects, such as:

- Decreased carbon emissions: Colleges can mitigate the effects of climate change by adopting energy-efficient practices, such as utilizing renewable energy sources and consuming less energy. By doing so, they can dramatically reduce their carbon footprint.
- Conservation of natural resources: While reducing habitat degradation and maintaining biodiversity, programs like waste reduction, sustainable landscaping, and water conservation help save valuable resources like water and land.
- Better air and water quality: Green campuses help the local communities enjoy better air and water by encouraging greener modes of transportation, lowering pollutants from energy generation, and putting green infrastructure in place for stormwater management.
- Less trash generation: Recycling schemes, composting projects, and attempts to reduce the use of single-use plastics and packaging help keep waste out of landfills, saving space and lowering pollution from waste disposal.
- Improved green spaces: In addition to improving the campus's aesthetic appeal, planting trees, building green roofs, and preserving natural habitats offer ecosystem services including temperature control, air purification, and wildlife habitat.
- Education and knowledge about the environment: Including sustainability ideas in the curriculum and getting the campus community involved in environmental projects promotes a culture of environmental responsibility and gives people the power to make decisions that are environmentally friendly.

Benefits to Students and Learning

The Green Campus Initiative improves student learning and provides a number of advantages:

- Opportunities for experiential learning: Students engaged in green campus activities frequently get to take part in sustainability projects like community gardens, waste reduction campaigns, and installations of renewable energy. These practical experiences offer invaluable knowledge and abilities from the real world that may be applied to many academic fields.
- Interdisciplinary cooperation: Green campus projects usually entail cooperation across several academic departments and disciplines, promoting interdisciplinary cooperation and providing students with opportunities to learn from a variety of perspectives. This cooperative method prepares students for employment in environmental and sustainability industries by reflecting real-world concerns.
- Advocacy and leadership skills: Students who participate in green campus programs gain the ability to lead and advocate for sustainability in their communities and on

campus. Through activism and advocacy, students gain the ability to effectively convey environmental issues, rally support for eco-friendly projects, and affect good change.

- Environmental literacy: By teaching students about ecological principles, bringing sustainability issues to light, and fostering critical thinking about environmental problems and solutions, the Green Campus Initiative works to develop environmental literacy. Students who possess this knowledge are better able to make wise choices and behave responsibly both in their personal and professional life.
- Better on-campus experience: Living and learning in a more lively and stimulating atmosphere is possible on a green campus. In addition to improving students' health and quality of life, green areas, eco-friendly facilities, and sustainable architecture also help them feel proud of and connected to the campus community.

Local and Wider Community

The Green Campus Initiative benefits the local and larger community in a number of ways in addition to the college campus:

- Environmental stewardship: Colleges can function as role models for environmental stewardship by introducing sustainable practices and lowering their environmental effect. This encourages other members of the community to follow suit and help create a healthier planet.
- Financial advantages: Green campus programs frequently save money by consuming less energy and reducing the cost of trash management and operations. These savings can be put back into community outreach projects, educational programs, or other community-benefitting endeavors.
- Community participation: Through outreach activities, educational initiatives, and partnerships with nearby businesses, organizations, and governmental bodies, green campus projects offer chances for community engagement and collaboration. In addition to strengthening community bonds, this partnership promotes a sense of shared responsibility for environmental sustainability.
- Better public health: Local community public health outcomes are enhanced by programs that support active mobility, lessen air and water pollution, and provide access to green areas. Residents' quality of life and wellbeing are improved by cleaner air, water, and recreational activities.
- Adaptation and resilience: Green campus programs foster community adaptability by increasing the ability to deal with environmental issues like resource scarcity, climate change, and natural disasters. Investing in environmentally friendly activities and infrastructure makes communities and colleges more resilient to environmental hazards.
- Green campus efforts boost local green industries, encourage innovation, and draw environmentally conscious firms and individuals to the area, all of which contribute to

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economic development. For the benefit of the larger community, this encourages entrepreneurship, job development, and a more sustainable economy.

Benefits to the Institute:

The Green Campus Initiative offers numerous benefits to the institute itself:

- Cost savings: By lowering power bills, trash disposal costs, and operational costs related to property management, the institute can save a lot of money by implementing energy-efficient measures, waste reduction initiatives, and sustainable practices.
- Improved reputation and competitiveness: By embracing sustainability efforts, the institute improves its standing as a socially and environmentally conscientious organization, drawing in funders, staff, instructors, and students who share these values. Additionally, a better reputation might result in more enrollment, higher rankings, and stronger competition in the higher education sector.
- Adherence to rules and regulations: A lot of funding organizations, accrediting authorities, and governments mandate that institutions adhere to a number of environmental standards and laws. By assisting the institute in adhering to these regulations, the Green Campus Initiative lowers the possibility of fines, penalties, and reputational harm that come with non-compliance.
- Educational opportunities: Through the Green Campus Initiative, staff, teachers, and students can learn about sustainability challenges, work on practical projects, and acquire information and skills that can be applied to a variety of academic fields and career routes. For all parties involved, this results in a more rewarding and enriching educational experience.
- Opportunities for interdisciplinary collaboration, applied research projects, and technology development in fields like renewable energy, green building design, and sustainable agriculture are some of the ways that green campus initiatives foster innovation and research. As a result, the institute is positioned as a pioneer in sustainability research and development and is encouraged to innovate.
- Long-term resilience and sustainability: The institute increases its long-term resilience and sustainability by making investments in environmentally friendly practices, infrastructure, and policies. This lowers the risks related to resource scarcity, environmental degradation, and climate change. This guarantees the institute's survival and prosperity in an increasingly linked and complicated environment.

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Green Campus Initiatives of the Institution

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SESSION—2020-21

Green Campus Initiative

Educational institutions have implemented the Green Campus Initiative, a comprehensive sustainability program, in an effort to reduce their environmental effect and promote an eco-conscious culture among staff, teachers, and students. This program includes several tactics meant to minimize waste production, cut down on resource usage, and encourage sustainable behaviors in all areas of campus operations and buildings. It includes actions like reducing waste and recycling to keep materials out of landfills, adopting energy-efficient technologies and renewable energy sources, and choosing sustainable transportation options to cut down on carbon emissions from commuting.

In addition, the Green Campus Initiative places a strong emphasis on raising campus community awareness of environmental issues, educating them about sustainability, and incorporating sustainability principles into the curriculum. It also hosts workshops and activities that address these topics. Educational institutions that support the Green Campus Initiative not only help to preserve the environment but also uphold a sense of stewardship and responsibility.

Green Campus Initiatives at PRMSM

- Rainwater harvesting
- Gardening
- Bin for E Waste
- Use of LED
- Digital Library
- Restricted Entry of Vehicles
- Restricted parking
- Usage of bicycles and public transport
- Pedestrian Friendly Road
- Paperless Office (Mostly)
- Plastic free Campus
- Smoke Free campus

Rainwater Harvesting

With the primary goal of conserving freshwater resources and lowering dependency on municipal water supply, rainwater harvesting is a technique for gathering and storing rainwater for a variety of applications. Rainwater is usually collected from rooftops or other surfaces, directed into storage tanks or cisterns via gutters and downspouts, and treated for use in irrigation, toilet flushing, or other non-potable uses. Communities can alleviate pressure on water

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resources and cut utility costs by collecting rainwater to offset the need for potable water for non-treated activities.

Rainwater harvesting also aids in reducing stormwater runoff, which can exacerbate erosion and flooding in metropolitan areas. Rainwater collected on-site reduces the amount of water that is sent into storm drains, which lowers the chance of localized floods and lessens the amount of pollutants that wash off of impermeable surfaces into water bodies. This environmentally beneficial substitute for conventional non-drinking water sources for sustainable water management also helps to make communities more resilient to droughts and water scarcities.

Gardening

Gardening is the art of growing and tending plants in a specific space, whether a backyard, balcony, or communal plot, for functional and decorative reasons. It includes a broad range of tasks, such as cultivating flowers and decorative plants for aesthetic purposes as well as planting and tending to crops for food production. Gardening can be done in many ways, ranging from little container gardens to large-scale landscapes, and it can be customized to fit a variety of climates, soil types, and tastes.

Beyond being aesthetically pleasing and being happy to see plants grow, gardening has several advantages. It creates chances for outdoor enjoyment and physical exercise, improves mental health by lowering stress and anxiety, and strengthens relationships to the natural world.

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Additionally, gardening promotes environmentally friendly and ecologically beneficial behaviors including composting, water conservation, and organic growing methods. Cultivating a bright flower garden to draw pollinators or tending a vegetable patch for homegrown vegetables, gardening is a fulfilling and enlightening hobby that enables people to connect with nature and enjoy the many benefits of caring for living plants.

No Smoking Campus

A no-smoking campus is a place where academic institutions and other organizations have made it illegal to smoke or use other tobacco products on their property. This policy seeks to reduce secondhand smoke exposure, lower the risk of fire hazards, and enhance general well-being in order to make the campus a safer and healthier place for students, staff, teachers, and visitors. Generally, college laws that prohibit smoking declare all indoor and outdoor spaces—including buildings, grounds, parking lots, and sports facilities—to be smoke-free zones. Furthermore, these regulations frequently cover e-cigarettes and other vaping products in order to address new health issues and encourage a smoke-free atmosphere. By implementing a no smoking campus policy, institutions prioritize the health and comfort of their community members while also setting a positive example for promoting tobacco-free lifestyles.

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Usage of Bicycles And Public Transport

Bicycles and public transportation are two sustainable modes of transportation that can help reduce carbon emissions, ease traffic, and encourage healthier living. Communities may enable accessible and safe options for commuting and moving around town by constructing infrastructure such as bike lanes, bike racks, and public transit lines. Public transportation systems such as buses, trains, and trams offer effective substitutes for driving, especially in urban areas, while bicycles offer a zero-emission method of transportation that enhances air quality and lessens dependency on fossil fuels. Embracing bicycles and public transport not only helps mitigate the environmental impact of transportation but also promotes physical activity, enhances mobility for all residents, and fosters a sense of community by connecting people to shared spaces and experiences.

LED (Light Emitting Diode) Technology

Colleges can use LED (Light Emitting Diode) technology for a variety of purposes that improve learning environments, save money, and use less energy. Since LED lighting lasts longer, uses less energy, and is brighter than traditional lighting sources, it is frequently utilized in lecture halls, classrooms, libraries, and other campus buildings. To further optimize energy usage, LED lighting can also be combined with smart controllers and sensors to change brightness levels based on occupancy patterns and natural light. In addition to lighting, LED signage and displays are used for wayfinding, digital signage, and informational purposes. This creates dynamic platforms for communication around the campus. LED technology thus plays a vital role in

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modernizing college campuses, creating sustainable and technologically advanced environments conducive to learning and collaboration.

Restricted Parking

Restricted Parking zones and spaces are designated for specific purposes such as service, disability, loading/unloading, and reserved spaces. ONLY vehicles with a special permit designated to these zones may park in them.

A Paperless Office

In a collegiate context, a paperless office refers to the use of digital technology and techniques to reduce or do away with paper-based records and procedures. With this strategy, workflows that were formerly paper-based are replaced with electronic ones using things like online forms, cloud-based storage, digital signatures, and digital documentation. Colleges can cut down on paper waste, expedite administrative work, and save money by adopting a paperless office setting that eliminates the need to print, store, and handle physical papers. Furthermore, by lowering the institution's environmental impact, digitizing papers promotes greater efficiency and productivity across campus as well as easier access, sharing, and cooperation amongst teachers, staff, and students.

Solar Energy

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The integration of solar power systems to capture renewable energy from the sun for a variety of campus uses is known as solar energy in colleges. In order to generate electricity and lessen their need on fossil fuels, colleges install solar panels on their parking lots, rooftops, and open areas. This also helps to reduce carbon emissions. Photovoltaic (PV) panels, which turn sunlight into energy, and solar thermal systems, which heat water or spaces, are common components of these solar projects. Colleges that invest in solar energy not only show that they are committed to sustainability, but they also save money over time by offsetting their energy costs and possibly even making money from surplus energy output. Moreover, solar energy initiatives in colleges serve as educational opportunities, allowing students to learn about renewable energy technologies and environmental stewardship while actively contributing to a greener campus and a more sustainable future.

The Benefits

Benefits to the Environment

The Green Campus Initiative offers numerous benefits to the environment, including:

- Decreased carbon emissions: Colleges can mitigate the effects of climate change by adopting energy-efficient practices, such as utilizing renewable energy sources and consuming less energy. By doing so, they can dramatically reduce their carbon footprint.
- Conservation of natural resources: While reducing habitat degradation and maintaining biodiversity, programs like waste reduction, sustainable landscaping, and water conservation help save valuable resources like water and land.
- Better air and water quality: Green campuses help the local communities enjoy better air and water by encouraging greener modes of transportation, lowering pollutants from energy generation, and putting green infrastructure in place for stormwater management.
- Less trash generation: Recycling schemes, composting projects, and attempts to reduce the use of single-use plastics and packaging help keep waste out of landfills, saving space and lowering pollution from waste disposal.
- Improved green spaces: In addition to improving the campus's aesthetic appeal, planting trees, building green roofs, and preserving natural habitats offer ecosystem services including temperature control, air purification, and wildlife habitat.
- Education and knowledge about the environment: Including sustainability ideas in the curriculum and getting the campus community involved in environmental projects

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promotes a culture of environmental responsibility and gives people the power to make decisions that are environmentally friendly.

Benefits to Students and Learning

The Green Campus Initiative offers several benefits to students and enhances the learning experience:

- Opportunities for experiential learning: Students engaged in green campus activities frequently get to take part in sustainability projects like community gardens, waste reduction campaigns, and installations of renewable energy. These practical experiences offer invaluable knowledge and abilities from the real world that may be applied to many academic fields.
- Interdisciplinary cooperation: Green campus projects usually entail cooperation across several academic departments and disciplines, promoting interdisciplinary cooperation and providing students with opportunities to learn from a variety of perspectives. This cooperative method prepares students for employment in environmental and sustainability industries by reflecting real-world concerns.
- Advocacy and leadership skills: Students who participate in green campus programs gain the ability to lead and advocate for sustainability in their communities and on campus. Students learn how to effectively communicate environmental issues, mobilize support for green initiatives, and drive positive change through advocacy and activism.
- Environmental literacy: By teaching students about ecological principles, bringing sustainability issues to light, and fostering critical thinking about environmental problems and solutions, the Green Campus Initiative works to develop environmental literacy. Students who possess this knowledge are better able to make wise choices and behave responsibly both in their personal and professional life.
- Better on-campus experience: Living and learning in a more lively and stimulating atmosphere is possible on a green campus. In addition to improving students' health and quality of life, green areas, eco-friendly facilities, and sustainable architecture also help them feel proud of and connected to the campus community.

Local and Wider Community

The Green Campus Initiative extends its benefits beyond the college campus to the local and wider community in several ways:

- Environmental stewardship: Colleges can function as role models for environmental stewardship by introducing sustainable practices and lowering their environmental effect. This encourages other members of the community to follow suit and help create a healthier planet.
- Financial advantages: Green campus programs frequently save money by consuming less energy and reducing the cost of trash management and operations. These savings can be put back into community outreach projects, educational programs, or other community-benefitting endeavors.
- Community participation: Through outreach activities, educational initiatives, and partnerships with nearby businesses, organizations, and governmental bodies, green campus projects offer chances for community engagement and collaboration. In addition to strengthening community bonds, this partnership promotes a sense of shared responsibility for environmental sustainability.
- Better public health: Local community public health outcomes are enhanced by programs that support active mobility, lessen air and water pollution, and provide access to green areas. Residents' quality of life and wellbeing are improved by cleaner air, water, and recreational activities.
- Adaptation and resilience: Green campus programs foster community adaptability by increasing the ability to deal with environmental issues like resource scarcity, climate change, and natural disasters. Investing in environmentally friendly activities and infrastructure makes communities and colleges more resilient to environmental hazards.
- Green campus efforts boost local green industries, encourage innovation, and draw environmentally conscious firms and individuals to the area, all of which contribute to economic development. This promotes job creation, entrepreneurship, and a more sustainable economy for the wider community.

Benefits to the Institute:

The Green Campus Initiative offers numerous benefits to the institute itself:

- Cost savings: By lowering power bills, trash disposal costs, and operational costs related to property management, the institute can save a lot of money by implementing energy-efficient measures, waste reduction initiatives, and sustainable practices.
- Improved reputation and competitiveness: By embracing sustainability efforts, the institute improves its standing as a socially and environmentally conscientious

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organization, drawing in funders, staff, instructors, and students who share these values. Additionally, a better reputation might result in more enrollment, higher rankings, and stronger competition in the higher education sector.

- Adherence to rules and regulations: A lot of funding organizations, accrediting authorities, and governments mandate that institutions adhere to a number of environmental standards and laws. By assisting the institute in adhering to these regulations, the Green Campus Initiative lowers the possibility of fines, penalties, and reputational harm that come with non-compliance.
- Educational opportunities: Through the Green Campus Initiative, staff, teachers, and students can learn about sustainability challenges, work on practical projects, and acquire information and skills that can be applied to a variety of academic fields and career routes. For all parties involved, this results in a more rewarding and enriching educational experience.
- Opportunities for interdisciplinary collaboration, applied research projects, and technology development in fields like renewable energy, green building design, and sustainable agriculture are some of the ways that green campus initiatives foster innovation and research. As a result, the institute is positioned as a pioneer in sustainability research and development and is encouraged to innovate.
- Long-term resilience and sustainability: The institute increases its long-term resilience and sustainability by making investments in environmentally friendly practices, infrastructure, and policies. This lowers the risks related to resource scarcity, environmental degradation, and climate change. This guarantees the institute's survival and prosperity in an increasingly linked and complicated environment.

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Green Campus Initiatives of the Institution

[redacted]

SESSION—2021-22

■■■ Green Campus Initiative ■■■

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.

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.

Green campus Initiatives at PRMSM -

- Rain water Harvesting
- Gardening
- Bin for e-waste
- Use of LED
- Digital Library
- Restricted entry of vehicles
- Restricted Parking
- Usage of bicycles and public transport
- Pedestrian friendly Road
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■■■ Description . . .

RAIN WATER HARVESTING

Water scarcity is serious problem throughout the world for both urban & rural community. Urbanization, industrial development & increase in agricultural field & production has resulted in overexploitation of groundwater & surface water resources and resultant deterioration in water quality. The conventional water sources namely well, river and reservoirs, etc. are inadequate to fulfill water demand due to unbalanced rainfall. While the rainwater harvesting system investigate a new water source.

At PRMSM a rain water harvesting system is made. The runoff from the terrace of the college building is channelised into a recharge well located near the southern end of the academic block. The runoff from the unpaved area is intercepted at a collection trench. From here the runoff eventually drains into an abandoned open well, which facilitates groundwater recharge.

GARDENING

The campus is beautifully landscaped and has received appreciation from all around. The college is situated in an ambience full of greenness which is popularly known as "Jungle Mahal, located in the southern part of the district Bankura, West Bengal. The Eco Club of the college in association with the two NSS units and the Department of Forestry ensures the organization of tree plantation on World Environment Day and various awareness programs & events every year. A rich variety of flora and fauna predominates the natural landscape of the campus.

NO SMOKING CAMPUS

As an initiative to make our college campus completely smoke and tobacco free, smoking and chewing of tobacco is strictly prohibited in COER campus.

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USAGE OF BICYCLES AND PUBLIC TRANSPORT

In most of the cases Students and staff use Bicycles – the staff and students are encouraged to use bicycles on the campus. Besides this, more than 80% of students use public transport to travel to and from college every day

USE OF LED

As a step towards energy saving, total lightings of class rooms, labs are replaced with LED panels/lights. The outcomes of LED lights are as follows:-

- Long life. The components of an LED and the way that they generate light significantly extend the lifespan of these bulbs.
- Energy efficiency.
- High brightness and intensity.
- Low radiated heat.
- Reliability.
- Instantaneous illumination.

PAPERLESS OFFICE

All offices work on paperless concept, in most of the cases, by digital display of all the notices and information through mail, WhatsApp Groups, etc. as much as possible. High speed Wi-Fi facility is also provided for this. Other practices like, re-use of one-sided paper for notes, sketches, rough work, rough printouts, etc.; cashless transactions, and utilizing multi user printer at central administrative locations of the Institute office also aims at reducing the use of papers.

SOLAR ENERGY

At PRMSM, there is a provision for Solar Lights. By Using this, it is possible to reduce energy use and the associated costs. Such a system does not depend on fossil fuels and takes energy from the sun. It, therefore, saves money, which is a major advantage of solar heating systems. Also, it does not pollute the environment

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■■■ THE BENEFITS . . .

Benefits to the Environment -

- Environmental impacts of the Campus are quantified so targets and performance indicators can be set.
- Improves overall environmental performance .
- Improves waste management.
- Decreases resource use .
- Improves management of environmental aspects .

Benefits to Students and Learning -

Improves learning outcomes like

- Research skills (developing an action plan, investigation, setting targets, monitoring progress and reporting progress) ,
- Transferable skills to workplace: communication, teamwork, committee servicing ,
- Introduction to new topics -Curriculum links: using data currently generated, - investigative research, problem based research .

Benefits to Local and Wider Community

- Shares experience and best practice .
- Reduces waste generated, travel impacts etc. in community .
- Institute becomes a better neighbour .

Benefits to Institute

- Creates a more balanced campus community .
- Empowers students and staff .
- Encourages innovation and change
- Prevents and reduces environmental impacts.
- Reduces associated costs .

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CAR SHED, MOTORBIKE AND BICYCLE STAND

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WASTE BIN

WASTE BIN

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PEDESTRIAN

PEDESTRIAN

LANDSCAPING

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MONITORING BOARD FROM WEST BENGAL BOARD OF POLLUTION CONTROL

SOLAR LIGHT

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Green Campus Initiatives of the Institution

[redacted]

SESSION—2022-23

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In addition, the Green Campus Initiative places a strong emphasis on raising campus community awareness of environmental issues, educating them about sustainability, and incorporating sustainability principles into the curriculum. It also hosts workshops and activities that address these topics. Educational institutions that support the Green Campus Initiative do more than just protect the environment—they also uphold a feeling of stewardship and accountability.

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Rainwater Harvesting

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Rainwater harvesting is a method of collecting and storing rainwater for use in a range of applications, with the main objective being the preservation of freshwater resources and a reduction in reliance on municipal water supplies. Rainwater is typically gathered from rooftops and other surfaces, guided by gutters and downspouts into storage tanks or cisterns, and processed for use in irrigation, flushing toilets, and other non-potable applications. By collecting rainwater to offset the need for potable water for untreated activities, communities can reduce the strain on their water supplies and lower their utility costs.

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- Better air and water quality: Green campuses help the local communities enjoy better air and water by encouraging greener modes of transportation, lowering pollutants from energy generation, and putting green infrastructure in place for stormwater management.
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- Enhanced campus experience: A green campus offers a more vibrant and enriching environment for learning and living. Green spaces, sustainable buildings, and eco-

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friendly amenities contribute to student well-being, health, and quality of life, fostering a sense of pride and connection to the campus community.

Local and Wider Community

The Green Campus Initiative extends its benefits beyond the college campus to the local and wider community in several ways:

- Environmental stewardship: Colleges can function as role models for environmental stewardship by introducing sustainable practices and lowering their environmental effect. This encourages other members of the community to follow suit and help create a healthier planet.
- Financial advantages: Green campus programs frequently save money by consuming less energy and reducing the cost of trash management and operations. These savings can be put back into community outreach projects, educational programs, or other community-benefitting endeavors.
- Community participation: Through outreach activities, educational initiatives, and partnerships with nearby businesses, organizations, and governmental bodies, green campus projects offer chances for community engagement and collaboration. In addition to strengthening community bonds, this partnership promotes a sense of shared responsibility for environmental sustainability.
- Better public health: Local community public health outcomes are enhanced by programs that support active mobility, lessen air and water pollution, and provide access to green areas. Residents' quality of life and wellbeing are improved by cleaner air, water, and recreational activities.
- Adaptation and resilience: Green campus programs foster community adaptability by increasing the ability to deal with environmental issues like resource scarcity, climate change, and natural disasters. Investing in environmentally friendly activities and infrastructure makes communities and colleges more resilient to environmental hazards.
- Green campus efforts boost local green industries, encourage innovation, and draw environmentally conscious firms and individuals to the area, all of which contribute to economic development. This encourages entrepreneurship, the development of jobs, and

Benefits to the Institute:

The Green Campus Initiative offers numerous benefits to the institute itself:

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- Cost savings: By lowering power bills, trash disposal costs, and operational costs related to property management, the institute can save a lot of money by implementing energy-efficient measures, waste reduction initiatives, and sustainable practices
- Improved reputation and competitiveness: By embracing sustainability efforts, the institute improves its standing as a socially and environmentally conscientious organization, drawing in funders, staff, instructors, and students who share these values. Additionally, a better reputation might result in more enrollment, higher rankings, and stronger competition in the higher education sector.
- Adherence to rules and regulations: A lot of funding organizations, accrediting authorities, and governments mandate that institutions adhere to a number of environmental standards and laws. By assisting the institute in adhering to these regulations, the Green Campus Initiative lowers the possibility of fines, penalties, and reputational harm related to development.
- Educational opportunities: Through the Green Campus Initiative, staff, teachers, and students can learn about sustainability challenges, work on practical projects, and acquire information and skills that can be applied to a variety of academic fields and career routes. For all parties involved, this results in a more rewarding and enriching educational experience.
- Opportunities for interdisciplinary collaboration, applied research projects, and technology development in fields like renewable energy, green building design, and sustainable agriculture are some of the ways that green campus initiatives foster innovation and research. This develops an innovative culture and establishes the institute as a pioneer in sustainability research and development.
- Long-term resilience and sustainability: By investing in sustainable infrastructure, practices, and policies, the institute enhances its long-term resilience and sustainability, reducing risks associated with resource scarcity, environmental degradation, and climate change. This ensures the institute's continued viability and success in an increasingly complex and interconnected world.

IQAC COORDINATOR
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