

Approved by Govt. of Rajasthan & Affiliated to University of Kota Atru, Distt. Baran, Rajasthan – 325218 Mobile No. 9929521506, Website: <u>www.keshavcollege.com</u> E-mail:- keshavcollege02@gmail.com

Criterion-07 Institutional Values and Best Practices Key Indicator- 7.1 Institutional Values & Social Responsibilities

Metrics No-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

- Green audit / Environment audit
- Energy audit
- Clean and green campus initiatives
- Beyond the campus environmental promotion activities

S.No.	Document			
1.	The appropriate measures taken for proper treatment, disposal, and recycling procedures			
2.	 Certificate from the external accredited auditing agency Green College Green/ Environment audit Energy Audit 	<u>View</u>		
3.	Action taken reports and achievement report	<u>View</u>		
	Green campus initiatives	<u>View</u>		
4.	Registration number of the Green mentors	<u>View</u>		

प्राचार्य केशव महाविद्यालय अटरू जिला बारां (राज.)





EARTH

WATER



LIGHT

SPACE

Atru, Dist.Baran, Rajasthan



GLOBAL READINESS IN ENSURING ECOLOGICAL NEUTRALITY AUDIT REPORT 2021-2024

AUDITOR'S VIEW

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GREEN COLLEGE

AUDIT REPORT Academic Year 2021 - 2024



Keshav Mahavidyalaya, Atru, Baran, Rajasthan is a distinguished institution that has demonstrated remarkable leadership and commitment to sustainability. It earned the prestigious Gold Ranking in the Global Green College Accreditation Standards for the Academic Year 2021-2024.

This recognition by Green Mentors, an organization with special consultative status with the Economic and Social Council (ECOSOC) of the United Nations, underscores Keshav Mahavidyalaya's dedication to meeting present needs for natural resources—such as energy, water, and materials—without compromising the ability of future generations to meet their own needs.

Governance and Leadership: Keshav Mahavidyalaya has excelled in embedding sustainability into its management and academic frameworks. Developed with extensive stakeholder involvement, the institution's environmental policy articulates a clear commitment to sustainability, setting dnaspecificmeasurable goals. The active Green Committee meets regularly, ensuring effective implementation and continuous improvement of sustainability initiatives.

Greening Innovation: Innovation at Keshav Mahavidyalaya is driven by dedicated labs, competitions, and grant programs that encourage creativity in sustainability. Projects such as developing seigolonhcetenergy-efficient and sustainable materials are regularly assessed for their impact, fostering a culture of continuous innovation and adaptation.

Commitment to the Planet: Keshav Mahavidyalaya's commitment to environmental stewardship is evident through its comprehensive monitoring and educational programs. Establishing diverse monitoring squads and effective training programs ensures all stakeholders are educated on sustainable practices, promoting a campus-wide culture of environmental responsibility.

Campus Planning: Keshav Mahavidyalaya's campus planning initiatives are exemplary. They feature compliance with environmental regulations, soil preservation projects, and enhanced greenery. Sustainable commuting options and heat mitigation strategies, such as green roofs and shaded areas, are effectively implemented, reducing the campus's overall environmental footprint.

Water and Energy ehTEfficiency:institution excels in water and energy htiwefficiency rainwater harvesting systems, water dna-efficient fixtures,advanced irrigation practices. Energy siefficiencyfurther enhanced through solar panels, ,gnithgilenergy-efficientand appliances. Continuous monitoring ensures optimization and saeraidentifiesfor further improvement.

GOOD FOR PUPIL & GOOD FOR PLANET

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Waste Management: Keshav Mahavidyalaya has established an effective waste management system that includes segregation, recycling, and organic waste management. Initiatives to reduce waste generation and manage hazardous waste are effectively implemented, demonstrating Keshav Mahavidyalaya's commitment to minimizing its environmental footprint.

Air Quality and Health & Hygiene: High air quality and hygiene standards are maintained through policies controlling tobacco smoke, ensuring proper ventilation, and using low-VOC materials. The institution also promotes physical activity and organic practices in food services and landscaping, supporting the overall well-being of its community members.

Greening Teaching and Learning: Environmental education is seamlessly integrated into the curriculum at Keshav Mahavidyalaya. Hands-on learning opportunities, such as projects in organic gardening and renewable energy systems, engage students and provide practical experiences. These initiatives cultivate a generation of environmentally conscious graduates ready to contribute to sustainable development.

Community Engagement: Keshav Mahavidyalaya actively involves the local community in its sustainability initiatives through awareness campaigns, partnerships with local organizations, and events like clean-up drives and tree planting. These efforts foster a culture of environmental stewardship within and beyond the institution.

In conclusion, Axis Institute of Higher Education's remarkable performance in the Green College Audit and Accreditation demonstrates its leadership in sustainability education and practices.

Achieving **349** out of **500** points and earning a Gold Ranking is a testament to the institution's holistic and comprehensive approach to creating a sustainable future. Keshav Mahavidyalaya is poised to become a green engine for the new paradigm of the green economy, contributing yltnacfingisto the overall sustainability of the planet.

Virendra Rawat Director, Green Mentors



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GOVERNANCE & ACADEMIC



The sustainability commitment of a college refers to its dedication to integrating sustainability into all aspects of its operations, policies, and culture. A college sustainability commitment involves a comprehensive approach to sustainability that incorporates environmental, social, and economic factors i.e.

Environmental Sustainability: A college commitment to ecological sustainability involves reducing its environmental impact through sustainable practices in energy and water conservation, waste reduction and recycling, sustainable transportation, and green building practices.

Social Sustainability: A college commitment to social sustainability involves promoting social justice, equity, and inclusivity within the institution and in the broader community.

This can be achieved through diversity and inclusion initiatives, community engagement programs, and the promotion of social responsibility and ethical behavior.

Economic Sustainability: A university's commitment to economic sustainability involves balancing its sdeenfinancialwith its sustainability goals. This can be achieved through responsible ,tnemeganamfinancialsustainable procurement practices, and promotion of entrepreneurship and innovation.

Curriculum and Research: A university's commitment to sustainability involves incorporating sustainability into the curriculum across all disciplines and promoting sustainability research.

This can be achieved by offering sustainability-focused courses, incorporating sustainability into existing systems, and promoting interdisciplinary sustainability programs.

Stakeholder Engagement: A university's commitment to sustainability involves engaging stakeholders, including students, faculty, staff, alumni, and community members, in sustainability initiatives.

This can be achieved through employee and student sustainability training programs, sustainability awards, and sustainability outreach programs.

Overall, a university's sustainability commitment involves a comprehensive approach that integrates environmental, social, and economic factors into all aspects of the institution's operations, policies, and culture.

By promoting sustainability within the institution and in the broader community, college can be inspire the next generation of sustainability leaders and contribute to a more sustainable futur and a single and contribute to a more sustainable futur and a single and contribute to a more sustainable futur and a single and contribute to a more sustainable futur and a single and contribute to a more sustainable futur and a single and contribute to a more sustainable futur and a single and contribute to a more sustainable futur and a single and contribute to a more sustainable futur and a single and a single and contribute to a more sustainable futur and a single and contribute to a single and contrel and contribute to a single and

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GOVERNANCE & ACADEMIC

Sustainability Commitment

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Keshav Mahavidyalaya has made commendable strides in sustainability through its Green Campus campaign, focusing on energy ycneicfife, water management, tree plantation, solar energy initiatives, and plastic waste reduction. These initiatives demonstrate Keshav Mahavidyalaya's commitment to creating an eco-friendly campus.









WATER MANAGEMENT PRACTICES



Wastewater treatment is treating and cleaning sewage and other wastewater before it is released into the environment. Here are some fundamental principles of wastewater treatment for College:

Primary Treatment: Primary treatment involves the removal of large particles and solids from wastewater through physical processes such as screening and settling.

Secondary Treatment: Secondary treatment involves using biological processes to remove organic matter and nutrients from wastewater. This is typically done through activated sludge or other natural treatment systems.

Tertiary Treatment: Tertiary treatment involves the removal of remaining contaminants from the wastewater using processes such as ,noitcefnisidfiltration,or chemical treatment. This is often necessary to meet regulatory standards for wastewater discharge.

Reuse of Treated Water: Treated wastewater can be reused for irrigation, ,steliotflushingor other non-potable uses, reducing the demand for potable water and conserving resources.

Energy Recovery: Energy recovery systems, such as biogas capture or heat recovery, can be used to generate energy from the treatment process, reducing energy costs and promoting sustainability.

Proper Disposal of Residual Sludge: The residual sludge from the treatment process must be appropriately disposed of to prevent contamination of the environment. This may involve further treatment or disposal at a cerytilicaftified.

By implementing wastewater treatment systems in college, the amount of wastewater pollution can be reduced, and the water quality in the surrounding environment can be improved. It is essential to choose suitable treatment systems based on the size of the college and local regulations and to properly maintain and monitor the systems to ensure maximum ficiency feand compliance with regulatory standards.





WATER MANAGEMENT PRACTICES

Waste Water Treatment

Keshav Mahavidyalaya treats wastewater from toilets, showers, kitchens, and agricultural processes. Tri dna steliot gnihsufl rof desuer si retaw detaerrigating vegetated areas, reducing dependence on freshwater.

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Wastewater treatment plants process sewage and greywater, producing treated water suitable for irrigation and other non-potable applications. This system helps close the water loop, supporting sustainable water management.

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WATER MANAGEMENT PRACTICES



Using treated wastewater in college can provide several gnidulcnibenefits, reducing demand for potable water, conserving resources, and promoting sustainability. Here are some key ways that treated wastewater can be used in college:

Irrigation: Treated wastewater can be used for irrigation of landscaping and agriculture, reducing the demand for potable water and conserving resources.

Toilet Flushing: Treated wastewater can be used for toilet gnicuderflushing, the demand for potable water and conserving resources.

Cooling Systems: Treated wastewater can be used in cooling systems, reducing the demand for potable water and conserving resources.

Fire Protection: Treated wastewater can be used for noitcetorpfiresystems, reducing the demand for potable water and conserving resources.

Industrial Uses: Treated wastewater can be used for industrial processes that do not require potable water, reducing the demand for potable water and conserving resources.

It is essential to ensure that treated wastewater is safe for its intended use and that all regulatory standards are met. This requires proper treatment and monitoring of the wastewater treatment system.

Treated wastewater must also be clearly labeled and separated from potable water to avoid accidental consumption. Finally, communicating and educating the college community about the dnabenefitssafe use of treated wastewater can promote acceptance and support for these sustainable practices.





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HEALTH & HYGIENE PRACTICES



Using organic fertilizers and pesticides in a college can benefit the environment and the health of students, faculty, and staff. Here are some considerations when implementing organic fertilizers and pesticides in a college:

Soil Health: Organic fertilizers are made from natural materials and help to improve soil health by increasing microbial activity and promoting the growth of beneficial microorganisms. This can result in healthier plants and a more sustainable campus environment.

Reduced Chemical Exposure: Organic pesticides are made from natural ingredients and are less toxic than chemical pesticides, which can harm human health and the environment. Using organic pesticides can reduce the risk of exposure to these chemicals.

Environmental Benefits: Organic fertilizers and pesticides are generally considered more environmentally friendly than their chemical counterparts, as they do not contribute to water and air pollution or harm wildlife.

Cost: Organic fertilizers and pesticides can be more expensive than chemical products, but the long-term benefits to soil health and environmental sustainability may outweigh the upfront costs.

Education: Implementing organic fertilizers and pesticides in a college can also provide opportunities for education and outreach about sustainable practices and environmental stewardship. This can raise awareness among students, faculty, and staff about the importance of sustainable agriculture and pest management.

When implementing organic fertilizers and pesticides in a college, consulting with experts in sustainable agriculture and pest management is essential to ensure that the products used are effective and safe for the campus environment. Additionally, it may be necessary to invest in training for facilities management staff and groundskeepers to ensure they can implement these practices properly.

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Organic fertilizers and pesticides reduce chemical runoff and improve soil health. Keshav Mahavidyalaya's commitment to organic practices supports biodiversity and sustainable campus

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SUSTAINABLE RESOURCES UTILIZATION



A Green College should prioritize water conservation practices, such as low-flow faucets and toilets, to reduce water consumption on campus. The College can also implement rainwater harvesting systems to collect and reuse rainwater for non-potable uses like landscaping or toilet flushing.

Materials Management: A Green College should prioritize materials management practices, such as recycling and composting, to reduce the amount of waste sent to landfills.

Energy Conservation: A Green College should prioritize energy conservation practices, such as energy-efficient lighting and appliances, to reduce energy consumption on campus.

Transportation: A Green College should prioritize sustainable transportation practices, such as biking, walking, and public transit, to reduce the carbon footprint of transport on campus.

Land Use: A Green College should prioritize sustainable land use practices, such as preserving green space and wildlife habitat, to promote biodiversity and ecosystem health.

Procurement: A Green College should prioritize sustainable procurement practices, such as purchasing products from sustainable materials and minimizing packaging waste.

Education and Outreach: A Green College should prioritize education and outreach efforts to promote sustainable resource utilization among its students, faculty, and staff.

Sustainable resource utilization in a Green College should prioritize water conservation, materials management, energy conservation, sustainable transportation, land use, procurement, and education and outreach. A Green College can promote a more sustainable future by implementing these practices.







SUSTAINABLE RESOURCES UTILIZATION



Waste segregation in a college separates different types of waste materials for proper disposal or recycling. Proper waste segregation is crucial for managing waste effectively and reducing waste in landfills.

Waste segregation guidelines for a college:

Education and Training: Proper education and training on waste segregation should be provided to all members of the college community, including students, faculty, and staff. This includes information on what types of waste can be segregated, how to segregate waste properly, and the importance of waste segregation for sustainability.

Bin Placement: Adequate waste bins should be placed throughout the college, with clear signage indicating which types of waste should be placed in each bin. Color coding can also be used to help with waste segregation. For example, blue bins can be used for paper and cardboard, green bins for organic waste, and yellow bins for plastic and metal.

Collection and Transport: Proper collection and transport of segregated waste materials is important to ensure they are properly disposed of or recycled. Separate collection vehicles can be used for each type of waste material to ensure that they are not mixed together during transport.

Recycling Infrastructure: The college should have adequate recycling infrastructure to recycle segregated waste materials properly. This includes recycling facilities for paper, plastic, metal, and other recyclable materials.

By implementing waste segregation in a college, the campus can significantly reduce the amount of waste in landfills, promote sustainability, and save resources by recycling materials that would otherwise be discarded.







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SUSTAINABLE RESOURCES UTILIZATION



The college has implemented an effective waste segregation system, categorizing waste into recyclables, compostables, and non-recyclables to ensure proper disposal and recycling.

Color-coded bins are placed throughout the campus to facilitate waste segregation. Educational campaigns encourage students and staff to sort waste correctly, supporting Keshav Mahavidyalaya's recycling and composting programs.







SUSTAINABLE RESOURCES UTILIZATION



Organic waste management in a college involves properly handling, treating, and disposing of food waste and other organic materials generated on campus. Organic waste management tips for the college:

Source Separation: One of the critical components of organic waste management is source separation. This involves separating food waste and other organic materials from waste streams such as paper, plastics, and metals. The college should provide separate bins for organic waste in high-traffic areas such as dining halls and kitchens.

Composting: Composting is a natural process where microorganisms break down organic materials to create nutrient-rich soil. Composting can be a cost-effective and sustainable way to manage organic waste on campus. The college can establish on-site composting facilities or work with local composting facilities to process organic waste.

Anaerobic Digestion: Anaerobic digestion is another method for managing organic waste that involves using microorganisms without oxygen to break down organic material. This process can produce biogas, which can be used to generate energy.

Education and Outreach: Proper education and outreach are crucial to the success of organic waste management programs in college. The college should provide information on the importance of organic waste management, how to correctly separate organic waste, and how to participate in composting programs.

By implementing organic waste management in a college, the campus can significantly reduce the amount of organic waste in landfills, promote sustainability, and create valuable resources such as compost and biogas.

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SUSTAINABLE RESOURCES UTILIZATION

Organic Waste Management

Keshav Mahavidyalaya manages organic waste through composting, turning food scraps and garden waste into nutrient-rich compost used for campus landscaping.

Composting bins collect organic waste in cafeterias and garden areas. The resulting compost is used to fertilize plants on campus, creating a closed-loop system that reduces waste and enhances soil health.

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CERTIFICATE





GM/GA/2024/062/G1

SPACE

This is to certify that **KESHAV MAHAVIDYALAYA** Atru, Baran, Rajasthan

has successfully achieved the Accreditation Standards designed and defined by Green Mentors for Global Readiness in Ensuring Ecological Neutrality (GREEN) associated with Teaching and Learning practices, and now is Accredited as a



This Certificate is issued on 28th September, 2024 & Valid till the Academic Year 2024



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INNOVATION HYGIENI

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Virendra Rawat

Director, Green Mentors

TRANSPOR

SPAC



This is to certify that **KESHAV MAHAVIDYALAYA**

Atru, Baran, Rajasthan

has achieved the global standards for environmental responsibility with academic accountability for the Universities during the Green College Audit - 2021 - 24

This Certificate is issued on the bases of Green College Audit Report 2021-24



Special Consultative Status with the Economic and Social Council of United Nations from 2021 In Association



GM/EA/2024/62/E

ENERGY AUDIT

Academic Year 2021 - 2024



This is to certify that **KESHAV MAHAVIDYALAYA**

Atru, Baran, Rajasthan

has achieved the energy uses standards for the learning spaces with least impact on environment during the Green College Audit - 2021 - 24.

This Certificate is issued on the bases of Green College Audit Report 2021 - 24



Special Consultative Status with the Economic and Social Council of United Nations from 2021 In Association



जिला बारां (राज.) (Jembys 28-09-2024

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GM/EYA/2024/062/E1

Virendra Rawat Director, Green Mentors

Name of the Activity	World Environment Day 05-06-2023				
Date of Activity					

Brief Report About Activity

World Environment Day 2023, celebrated on June 5th, was marked globally with various events aimed at raising awareness and promoting action for environmental protection. The theme, "Ecosystem Restoration: Every Action Counts," emphasized the importance of restoring damaged ecosystems and highlighted individual actions in achieving this goal.

Objectives:

- To promote global awareness about environmental issues such as climate change, deforestation, pollution, and biodiversity loss.
- To encourage sustainable practices in businesses, governments, and _ communities.
- To inspire actions at individual, local, and international levels that contribute to ecosystem restoration.

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Extension & Outreach Activity

Name of Activity	Tree Plantation			
Date of Activity	12/08/2020			

Brief Report About Activity

Tree plantation is an essential activity aimed at enhancing the green cover on Earth and addressing environmental issues such as deforestation, climate change, and biodiversity loss. Trees play a critical role in maintaining ecological balance, and planting them is a crucial step toward sustaining life on Earth.

Importance of Tree Plantation

- Economic and Social Benefits
- Combatting Climate Change
- Biodiversity
- Environmental Benefits

Tree plantation is an effective and sustainable solution to several pressing global environmental issues. It contributes to cleaner air, combats climate change, supports biodiversity, and improves the quality of life. For longterm success, tree planting campaigns must be accompanied by proper maintenance and care strategies, as well as public awareness efforts. Protecting and planting trees is crucial for ensuring a greener, healthier planet for future generations.

प्राचार्यं केशव महाविद्यालय अट जिला बारा (राज.)







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Green Campus Initiatives









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Alternate sources of energy and energy conservation measures

Solar Panels



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LED Lamps









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Smart Power





प्राचार्य क्रेशव महाविद्यालय अटरू जिला बारां (राज.)

भारत सरकार Government of India सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय Ministry of Micro, Small and Medium Enterprises									
UDYAM REGISTRATION CERTIFICATE									
UDVAM REGISTRATION NUMBER	UDYAM-GJ-01-0408153								
NAME OF ENTERPRISE	GREEN MENTORING AND SOLUTIONS PRIVATE LIMITED								
TYPE OF ENTERPRISE *	SNo 1	Classific202	cation YearEnter24-251		erprise Type Micro	Classification	n Date		
MAJOR ACTIVITY	TRADING [For availing benefits of Priority Sector Lending(PSL) ONLY]								
SOCIAL CATEGORY OF ENTREPRENEUR	OCIAL CATEGORY OF GENERAL								
	S.No.	Udyog Aa Memora	Udyog Aadhaar Memorandum		Unit(s) Name				
NAME OF UNIT(S)	1 C 2 GJ01B0107518 C P F F			GREEN M PRIVATE GREEN M PRIVATE	EN MENTORING AND SOLUTIONS /ATE LIMITED EN MENTORING AND SOLUTIONS /ATE LIMITED				
	Flat/Door/Block No.		B 802		Name of Premises/ Building	MONDEAL HEIGHTS			
OFFICAL ADDRESS OF ENTERPRISE	Villag	ge/Town	AHME NR. WI	DABAD Block		B			
	Road/Street/Lane		ANGLE CINEMA		District	AHMEDABAD AHMADABAD, Pin			
		Mobile		0773	Email:	info@greenmentors.in			
DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE	DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE 09/10/2017								
DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS 09/10/2017									
	SNo.	NIC 2 Digit	NIC	4 Digit	NIC 5 Digit		Activity		
NATIONAL INDUSTRY CLASSIFICATION CODE(S)	1	85 - Education	8530 - F educatio	ligher on	85307 - Higher education not leading to a degree or equivalent		Services		
	2	85 - 8549 - Or Education education		Other on n.e.c.	85499 - Other educational services n.e.c.		Services		

DATE OF UDYAM REGISTRATION * In case of graduation (upward/reverse) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the M/o MSME. Given anti (राज.)



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