



Green Audit Certificate

Audit Period: 2022-2023

Audit Summary:

The Green Audit for 2022-2023 underscores St. Aloysius College's commitment to sustainability. Key initiatives included advanced vermicomposting, eco-friendly workshops, and extensive plantation drives.

Major Initiatives and Accomplishments:

- **Waste Management:** Implementation of advanced vermicomposting techniques, enhancing solid waste management.
- **Educational Outreach:** Conducted various workshops and training programs, such as the DIY eco-friendly products workshop and the introduction of a carbon footprint calculator on the college website.
- **Plantation Drives:** Active engagement in tree planting and campus beautification efforts, significantly adding to the campus's green cover.

Recommendations:

- Enhance renewable energy use, such as solar power.
- Increase sustainable transport options.
- Expand environmental education programs.

Commendations:

The college is commended for its effective integration of sustainability practices into both campus operations and educational curricula.

Issued By:


Awaneesh Nema & Associates

Issue Date: 2nd December 2023



ST. ALOYSIUS' COLLEGE

(AUTONOMOUS), JABALPUR(M.P.)

Reaccredited 'A+' Grade by NAAC (CGPA 3.68/4.00)

College with Potential for Excellence (CPE) by UGC

DST-FIST Supported & Star College Scheme by DBT.

Green Audit 2022-23

The Eco Conservation Monitoring Report is prepared by Dr. Sonali Nigam, Dr. Femina Sobin, and Dr. Runa Paul, and it details the comprehensive green initiatives undertaken by the college. These initiatives align with three main objectives:

1. **Green and Clean Campus:** The college has integrated environmentally-conscious practices throughout its operations, focusing on maintaining green spaces, waste management, and energy conservation.
2. **Eco-friendly Approach (Reduce, Reuse, Recycle):** Emphasizes waste reduction at the source, efficient use of resources, and promoting recycling to mitigate environmental impact.
3. **Health and Hygiene:** Focuses on maintaining environmental hygiene crucial for the health of the community, emphasizing the purity of air, water, and soil.

The report documents various activities that foster an eco-friendly campus environment, including educational programs, waste management initiatives, and community engagement efforts aimed at promoting sustainability and health. The audit is submitted to Awaneesh Nema and Associates for further review and assessment.

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Eco Conservation Monitoring Report

The "Eco Conservation Monitoring Team" of the institution has been established to monitor, implement, and disseminate awareness within the campus and its adjacent areas regarding diverse environmental challenges. Green Audit Report is prepared by the team on the three broad features mentioned below –

- 1. Green and Clean Campus:** A sustainable and eco-friendly campus integrates environmentally-conscious operations with educational initiatives to foster sustainable practices. Effective environmental management encompasses maintaining green spaces, managing solid, liquid, and electronic waste, implementing rainwater harvesting, and conserving water and energy. This approach allows the institution to reassess its environmental priorities and establish innovative benchmarks by devising sustainable solutions addressing both environmental and societal requirements of the community. Achieving a green campus involves optimizing resource use, harnessing renewable energy sources for daily requirements, ensuring appropriate waste disposal, and sourcing environmentally-friendly materials and supplies.
- 2. Eco-friendly approach: Reduce, Reuse and Recycle:** The most efficient strategy for waste reduction is prevention at the source. The production of new items requires significant materials and energy and results in the emission of greenhouse gases, which exacerbate climate change. Manufacturing products from recycled materials consumes less energy and resources compared to producing new items. Consequently, minimizing waste and reusing materials are paramount methods to conserve natural resources and safeguard the environment. The hierarchy for waste management prioritizes reduction, followed by reuse and, subsequently, recycling when feasible.
- 3. Health and Hygiene:** Maintaining environmental hygiene is a crucial ecological obligation. The well-being of humans and other organisms is intrinsically linked to the purity of their environment. Pristine air and water are indispensable for the health of humans and animals,



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while uncontaminated soil is vital for optimal plant growth. Ensuring environmental cleanliness is instrumental in safeguarding both health and the broader ecosystem. Adhering to the principle, "Cleanliness is next to Godliness," the institution's eco-conscious practices educate students on the importance of resource conservation and environmental preservation.

These three features were accomplished under following aspects -

- Green and clean campus
- Plastic free zone
- Best out of waste
- Reduce, Reuse and Recycle
- Tobacco free college premises
- Health and Hygiene

Through various activities like nukkad natak, rallies, teaching environmental studies, training programmes, lectures, seminars, workshops, projects/ researches, debates/ speech/ poster/slogan writing competitions, etc., the institution addresses to numerous environmental matters to proliferate perception in the surroundings.

Green and Clean Campus Initiatives at St. Aloysius College:

Environmental Awareness Initiatives:

1. The Department of Economics, in partnership with Kadam Foundation, hosted an Environment Awareness Programme on 14th January 2023.
2. The Department of Zoology, along with PG students, embarked on an educational trip to Dumana Nature Park, Jabalpur, for an Environmental Awareness Programme on 1st October.
3. Ecofest 2023 was organized by the Department of Botany and Microbiology in conjunction with the Nature Club on 21st January 2023, focusing on the theme of Science and Environment.



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Educational and Training Programs:

1. A lecture on "Water Analysis and Water Testing" was presented by Mr. K. L. Dubey, Senior Chemist at Udaipur Beverages Pvt Ltd, on 4th February 2023, organized by the Department of Chemistry.
2. The Department of Botany and Microbiology initiated a Bonsai Training programme on 3rd September 2022, emphasizing the cultivation of miniature plants and fostering entrepreneurial skills among students.
3. A Certificate Course in Water Quality Monitoring commenced on 1st December 2022 for UG and PG students, organized by the Department of Botany and Microbiology.
4. Mr. Agranshu Dwivedi, Manager at Jabalpur Incubation Centre (JIC), delivered insights on 'Hydroponics: Practices and Benefits' on 24th January 2023.
5. Industrial visits to Mukund Biotech, Jabalpur, and Shivshakti Plant Tissue Culture Industry, Gosalpur, were organized by the Departments of Botany, Microbiology, and Biotechnology, where students gained knowledge about plant tissue culture techniques.
6. The Department of Biotechnology hosted a comprehensive 10-day internship for undergraduate students from Home Science College, Jabalpur, focusing on biotechnological techniques and plant tissue culture fundamentals.

Plantation and Cleanliness Drives:

1. The Department of Botany, in collaboration with the Nature Club, orchestrated a Rose Plantation event on 18th October 2022, planting over 180 rose plants within the college premises.
2. An awareness program on water pollution was conducted at Gwarighat, Narmada River, Jabalpur, on 3rd December 2022, led by the Department of Botany and Microbiology in association with the Nature Club.
3. A two-day workshop on 'Vegetative Propagation' was held on 23-24 February 2023, organized by the Nature Club and the Department of Botany and Microbiology.
4. The NSS unit commemorated Environmental Day on 5th June 2022 with a tree plantation event at the St. Aloysius' College campus.



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5. NCC cadets participated in various events, including a cleanliness drive at Gwarighat and a tree plantation initiative, emphasizing the importance of trees and their benefits to the environment.

Outreach and Community Engagement:

1. The Department of Education conducted outreach activities in Bargi Village, including a skit on cleanliness and a tree plantation drive.
2. NSS students engaged in multiple events, such as campus cleaning on NSS Day, participation in Swachh Bharat and Fit India Freedom Run, and a Swachhta Workshop at RDVV Jabalpur.
3. On Kargil Vijay Diwas, 26th July 2022, NCC cadets at St. Aloysius College, Jabalpur, organized events like speech competitions on cleanliness and poster-making.

These activities underscore the college's commitment to fostering an environmentally conscious campus and community.

St. Aloysius College: Eco-friendly Approach - Reduce, Reuse, and Recycle Initiatives

Educational Visits and Conferences:

1. The Department of Chemistry facilitated a lab visit to the "Pesticides Residue Analysis Laboratory" at ICAR, Directorate of Weed Science, Jabalpur on 2nd February 2023 for a group of 30 students.
2. A delegation comprising four faculty members and 24 Chemistry students participated in the International Conference on Plastics, held on 25-26 February 2023 at Hitkarni Women's College, Jabalpur. They presented three papers and one poster, with Ms. Anam Fatima, Ms. Anjali Patel, Mr. Abin Thomas, and Mr. Chetan Bhatia securing the 2nd prize in Poster Presentation.
3. On 14th January 2023, the Department of Physics organized an informative visit to Jabalpur Airport, where UG and PG students gained insights into airplane fuel management processes from the Air Traffic Control (ATC).

Training and Certificate Courses:

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1. The Department of Zoology conducted an internship training titled "Vermicomposting as a Sustainable Practice for Solid Waste Management in Jabalpur City" from 23rd January to 31st March 2023 for M.Sc IV Semester students.
2. From 15th September to 20th December 2022, the Department of Botany and Microbiology offered a Certificate Course in Mushroom Cultivation. Participants learned sustainable agricultural practices, utilizing agricultural waste materials like husk, hay, and wood shavings for mushroom cultivation.
3. The Department of Botany and Microbiology also organized another certificate course focusing on the cultivation of mushrooms, emphasizing the sustainable use of agricultural waste.
4. The Department of Zoology introduced a certificate course in Vermicomposting, emphasizing eco-friendly waste management.

Awareness Programs and Competitions:

1. 'Ecofest 2023' was organized by the Department of Botany and Microbiology in collaboration with the Nature Club on 21st January 2023. The event, themed "Science and Environment," featured "best out of waste" competitions for UG and PG students.
2. On 18th January 2023, the Nature Club conducted an awareness program on sustainable farming. Students were educated on the benefits of organic composting and its role in promoting environmentally friendly farming practices.
3. The ED Cell organized the "Best out of Waste 2.0" competition on 24th September 2022, encouraging participants to create functional items from waste materials, highlighting the potential of recycling and reusing waste for innovative product development.

These initiatives reflect St. Aloysius College's commitment to promoting eco-friendly practices, emphasizing the principles of reducing waste, reusing resources, and recycling materials for sustainable development.



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St. Aloysius College: Health and Hygiene Initiatives

Publications and Academic Contributions:

1. Faculty members from the Department of Chemistry contributed six chapters to the book titled 'Covid-19 Challenges and Management', Volume 1, 2022. Additionally, two faculty members edited the same book.

Educational Programs and Workshops:

1. The Department of Chemistry organized a Certificate Course on "Chemistry of Food: Analysis and Estimation" from 5-19 February 2023, which saw active participation from 31 students.
2. Two training programs on the preparation of Soap, Floor Cleaner, Liquid Hand Wash, and Sanitizer were conducted by the Department of Chemistry on 6-7 September 2022 and 29-30 March 2023 under the Star College Scheme. A total of 124 students benefited from this training.
3. The Department of Zoology, in collaboration with the Red Ribbon Club, organized an Extempore program on "Health and Hygiene" on 30 July 2022, with 45 UG and PG students participating.
4. An Aids Awareness Programme was organized by the Department of Zoology and the Red Ribbon Club on 1 December 2022.
5. UG and PG students from the Department of Zoology presented research papers at a National workshop on "Basic principles of medical mycology tools and techniques" from 5-9 December 2022.
6. The Department of Zoology commemorated National Science Day with a guest lecture on 'Filaria' and a Health Awareness Programme for female students and staff on 27 February 2023. A movie show followed on 28 February 2023.
7. The Department of Biotechnology organized an online expert talk on "The Genomic epidemiology of Monkey Pox Virus: A Global Concern" on 20th August 2022.



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Industrial Visits and Field Trips:

1. The Department of Botany and Microbiology, Department of Biotechnology, and the Department of Management organized industrial visits to Agadyati Herbs and Food Pvt. Ltd., Jabalpur. Students were educated about organic farming, organic products, and the journey of establishing a startup to a commercial level.

Awareness Programs and Community Outreach:

1. The Nature Club, in collaboration with the Department of Botany and Microbiology, organized a "Disease Awareness" program on 6 August 2022. The event aimed to educate students about various acute and chronic diseases. An expert talk on 'Oral Hygiene' was also delivered.
2. The Nature Club organized a quiz competition on Millets on 18 October 2022 to highlight the nutritional benefits and environmental advantages of millets.
3. The NSS unit organized various events, including a Poster competition for Nasha Mukti, a Vaccination Camp, and campus cleaning activities.
4. The NCC cadets organized and participated in various events, including a Mega Blood Donation Camp, a pledge for de-addiction, and poster-making on drug de-addiction.
5. The Samarpan club conducted outreach activities, including visits to a government school and an old age home, where they shared health tips and provided essential items.
6. The Red Ribbon Club, in collaboration with the Department of Zoology, organized various programs, including an Extempore Competition, a Poster making and slogan writing competition, and a Health Awareness Programme.
7. The Department of English collaborated with Mukti Foundation for the 'Mukti Thalassemia Welfare' program 'S.M.I.L.E.' on 12th November, where 45 Thalassemia-affected children participated.

These initiatives underscore St. Aloysius College's commitment to promoting health, hygiene, and well-being among its students and the broader community.



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St. Aloysius College: Other Initiatives

Awareness Competitions and Celebrations:

1. The Department of Zoology organized a Quiz competition on International Tiger Day on 29 July 2022. The event aimed to raise awareness about the declining tiger population. A total of 35 UG and PG students participated.
2. To commemorate Wildlife Week from 7-13 October 2022, the Department of Zoology organized various competitions, including T-Shirt painting, wildlife sketching, wildlife photography, origami, and a video documentary competition on endangered animals. The event saw participation from 28 students.
3. The Department of Botany and Microbiology celebrated 'International Microorganisms Day' from 17-24 September 2022. The celebration aimed to highlight the vital role of microbes in various aspects of human life. Activities included quiz competitions, mime performances, fungal photography, and more.
4. National Science Day was celebrated by the Department of Botany and Microbiology from 24-28 February 2023 on the theme "Global Science for Global well-being". The event featured an exhibition of natural products like jams, jellies, pickles, and bamboo art, all made without preservatives.
5. The Nature Club organized a collage competition on 8 October 2022 with the theme "Only One Earth". Participants from the Botany, Zoology, and Industrial Microbiology departments showcased various facets of Earth through their collages, highlighting its significance, benefits, and threats.

Publications and Outreach:

1. The Nature Club publishes a quarterly newsletter titled "NATURE", which covers topics related to conservation and recent research in the field of Biosciences.
2. The Women Cell, in collaboration with Kadam Institute, Jabalpur, organized an Awareness Program on "Environmental Issues". This included a Nukkad Natak on Environmental Pollution on 14th January 2023.



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These initiatives reflect St. Aloysius College's dedication to fostering environmental consciousness, promoting sustainable practices, and encouraging students to engage in activities that highlight the importance of preserving our natural world.



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Some Glimpse of Activities described under Green Audit 2022-23



Penti Naka Sadar, Sadar Main Rd, Cantt, Jabalpur,
Madhya Pradesh 482001, India
Latitude Longitude
23.15385118 79.95289122
GMT 10:20:30 AM Thursday, 16 July 2022

Mega Blood Donation Camp

Thalassemia Camp



Penti Naka Sadar, Sadar Main Rd, Cantt, Jabalpur,
Madhya Pradesh 482001, India
Latitude Longitude
23.15385430 79.95289320
GMT 02:30:40 PM Saturday, 12 November 2022



Penti Naka Sadar, Sadar Main Rd, Cantt, Jabalpur,
Madhya Pradesh 482001, India
Latitude Longitude
23.15385210 79.95289110
GMT 01:30:05 PM Tuesday, 18 OCT 2022

Rose Plantation by Nature Club



Penti Naka Sadar, Sadar Main Rd, Cantt, Jabalpur,
Madhya Pradesh 482001, India
Latitude Longitude
23.15385230 79.95289120
GMT 01:05:45 PM Saturday, 18 February 2023

Students doing Yoga on International Yoga Day organized by NSS unit



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Pledge for de-addiction on Kargil Divas by NCC



Penti Naka Sadar, Sadar Main Rd, Cantt, Jabalpur, Madhya Pradesh 482001, India

Latitude

23.15385220

GMT 11:10:05 AM

Longitude

79.95289128

Saturday, 12 Nov 2022



Penti Naka Sadar, Sadar Main Rd, Cantt, Jabalpur, Madhya Pradesh 482001, India

Latitude

23.15385220

GMT 11:10:05 AM

Longitude

79.95289128

Saturday, 12 Nov 2022

Competition for making utility items with waste organized by ED Cell



Penti Naka Sadar, Sadar Main Rd, Cantt, Jabalpur, Madhya Pradesh 482001, India

Latitude

23.15385210

GMT 01:30:05 PM

Longitude

79.95289110

Tuesday, 18 OCT 2022



Penti Naka Sadar, Sadar Main Rd, Cantt, Jabalpur, Madhya Pradesh 482001, India

Latitude

23.15385230

GMT 12:30:05 PM

Longitude

79.95289120

Tuesday, 1 December 2022

Students learned Plant tissue culture Students participating in AIDS awareness at Mukund Biotech



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Certificate Course in Vermicomposting



Workshop on Vegetative Propagation: Field visit to Jawaharlal Nehru Krishi



Visit to Agadyati Pvt. Ltd



Nukkad natak on AIDS

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Health Camp



Best out of waste competition during Eco fest

Sustainable Agriculture by Nature



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