



**Green Audit Certificate**

This certificate acknowledges that St. Aloysius College has successfully completed its Green Audit for the academic year 2021-2022, demonstrating commitment to environmental sustainability.

**Audit Highlights:**

- Rose plantation and Bonsai cultivation training to enhance greenery and biodiversity.
- Water conservation awareness through student competitions.
- Implementation of a Plastic Free Zone to reduce campus waste.
- Health and hygiene promotions, including cancer research and dietary health seminars.

**Recommendations:**

- Increase environmental education and community engagement.
- Enhance waste management and organic composting facilities.

**Issued By:**



Awaneesh Nema & Associates

**Issue Date:** 2<sup>nd</sup> December 2022



# 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

2021-22

The Green Audit Report for St. Aloysius College for the academic year 2021-22, prepared by Dr. Sonali Nigam, Dr. Femina Sobin, and Dr. Runa Paul, encompasses several vital points:

- 1. Environmental Initiatives and Protocols:** The report details the college's initiatives in enhancing water quality, air purity, and managing hazardous waste effectively.
- 2. Compliance and Sustainability:** It verifies the college's adherence to environmental safety standards and its commitment to creating a sustainable, eco-friendly educational setting.
- 3. Eco Conservation Efforts:**
  - **Green and Clean Campus:** Efforts to maintain a litter-free and environmentally conscious campus.
  - **Eco-friendly Practices:** Initiatives like reducing, reusing, and recycling to minimize environmental impact.
  - **Health and Hygiene:** Promoting public health through various health and hygiene initiatives.
- 4. Awareness and Engagement:** The report highlights the college's role in fostering environmental awareness through activities like workshops, lectures, and public campaigns.

The detailed findings, along with the outlined initiatives and outcomes, are submitted to Awaneesh Nema and Associates for formal audit and review.

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## Eco Conservation Monitoring Report

“Eco Conservation Monitoring Team” of St. Aloysius’ College (Auto.) is determined to monitor, manage and create awareness within the campus and the surroundings regarding various environmental issues. College has taken number of initiatives to protect its own environment with a pollution free campus.

### OBJECTIVES OF GREEN AUDIT

The main aim objective of this green audit is to assess the environmental quality and the management strategies being implemented in College. The team prepares Green Audit Report under three broad features –

1. Green and Clean Campus
2. Eco-friendly approach: Reduce, Reuse and Recycle
3. Health and Hygiene

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

The team endorses various environmental matters to propagate cognizance in surroundings by organizing various activities like nukkad natak, rallies, teaching environmental studies, training programmes, lectures, seminars, workshops, projects/ researches, debates/ speech/ poster/slogan writing competitions, etc.



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## Outputs of the Green Audit

### Green and clean campus

- Rose Plantation - On 26 October, 2021, a Rose plantation was organized by the Department of Botany and Microbiology in collaboration with Nature's Club. The eco-friendly move towards beautiful rose plantation with excellent thought of increasing greenery in campus was successfully done with students. Total seventy five saplings of roses were planted in the college garden.
- A DBT-Star sponsored training program on Bonsai cultivation was organized by the Department of Botany and Microbiology for undergraduate students on 21 March, 2022. The resource person for the training programme was Mrs. Manisha Dubey. Thirty-six students attended the programme.
- For sensitizing our students toward the growing need for water conservation the Department of Management organized a Poster competition on "Save Water" where 2 students showcased the growing need for conservation of water for a secured future.
- Nature Club in Collaboration with Department of Botany & Microbiology & Department of Zoology Organized an e-lecture on "Parthenium: An unwanted living being" on 23rd August 2021 to mark the 16th Parthenium Awareness Week {ICAR - Directorate of Weed Research (DWR)} focusing on making people aware about "Parthenium Free" land development. The eminent speaker, Dr. Naveen Patle, Additional Commissioner, DA & FW, & Executive Director, National Bee Board, Govt. of India was invited.
- Department of Education began the new session with Social club activity i.e. "Plantation" 7 July 2021 in the college premises with the aim of Promotion of a quality-oriented approach for tree management.



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- Department of Education conducted a Sakora hanging activity of providing water for birds on 20 March 2022.

## Plastic free zone

- The Life Science faculty strictly prohibits use of plastic files by the students for assignments and project reports.
- College canteen provides disposable paper plates and cups. Plastic disposables are stringently banned.

## Best Out of Waste

- Under the banner of Eco fest on 28 February, 2022, **Best out of Waste** competition was organized for the UG and PG students of Biosciences. This event was organized with an intend to inculcate values of Sustainable Development.

## Reduce, Reuse and Recycle

- Eco fest was organized on 28 February, 2022. Poster competition was held for the UG and PG students of Biosciences. The theme of the competition was -Plan for The Future: Sustainable Development.
- For the holistic development of the students, various competitions were organized by the Department of English under the purview of The Talent Fest 2022. One of the competitions was Speech on "Waste Management" on 26<sup>th</sup> November 2021. Students enthusiastically participated in the event.
- DBT Star Sponsored, a one-day seminar was organized by Department of Zoology on the topic- "Vermicomposting as an eco-tool in sustainable solid waste management and one step towards entrepreneur".

Speaker - Mr. A. Dhananjay, Founder Tridev Organic Solution, on 1 February 2022. No. of Beneficiaries – 60 UG students.



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## Tobacco free college premises

- Tobacco products are strictly prohibited in the college premises.
- A two day poster exhibition was held on 7-8/10/2021, on the occasion of 162<sup>nd</sup> Mahatma Gandhi Jayanti. Various events like essay writing, oath taking for being substance free was also organized in these two days.

## Health and Hygiene

- On the occasion of Cancer Day the department of Biotechnology organized a guest lecture on the topic 'Recent Trends in Breast Cancer Research.' Lecture was delivered by Dr. Pallavi Kulkarni, Research Scholar AIIMS Bhopal
- On 23 October, 2021 the department organized a guest lecture on "Dietary oils and health" by Dr. Daniel A. Gibleon, Bishop Heber College, Tiruchirappalli. Fifty-four students of UG and PG attended the webinar.
- Guest Lecture Sponsored by DBT Star Scheme on the Topic -An interdisciplinary approach in neuro engineering for recovery of demyelinating diseases. Dr. Hemanga Kumar Das, Parul University, Vadodara was the resource person. The lecture was organized by Department of Zoology on 8 November 2021, No. of beneficiaries- 65.
- Online Faculty Development Program (National Level) was organised by Department of Zoology on the topic - "Biopharmaceuticals Technology & Probiotics" from 8-14 November 2021, DBT Star Sponsored.
- Health Awareness Programme for girl students & female staff members was organised by Department of Zoology on 28<sup>th</sup> February 2022.
- Red Ribbon Club in collaboration with Department of Zoology, St. Aloysius college Jabalpur organised Dengue Awareness Program on 27<sup>th</sup> October 2021. Both UG and PG students participated in Extempore.
- Red Ribbon Club in collaboration with Department of Zoology St. Aloysius College Jabalpur organised AIDS awareness programs on 21 December 2021. UG and PG students participated in this Extempore.



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- Red Ribbon Club in collaboration with Department of Zoology St. Aloysius college Jabalpur organised a Cancer awareness program (Quiz competition +Lecture) on 7 February 2022 in Vidya Bharti Saraswati Sishu Mandir Higher Secondary School Garha Phatak Jabalpur.
- The Women Cell organised a Health Awareness Programme on “Health & Hygiene” by St. Aloysius College (Autonomous), Jabalpur, M.P. on 12 October, 2021. The objective of the program was to impart knowledge and create awareness about health and hygiene during this pandemic time. This programme was organised for teachers and executives in the institution. The Guest Speakers were Dr. Anushree Jamdar, Joint MD and CEO, Jamdar group of Hospitals, Jabalpur, Yoga Acharya Mr. Rahul Awasthi, and Program coordinators Mr. Amit Pandey, Mr. Nitesh Pandey.
- The women cell organised a two days’ workshop on “Sanitiser Making” in collaboration with the Chemistry Department for Girls students from 17- 18 November 2021. The main objective of the programme was to make students aware about COVID-19 causes and effects.
- Department of Education organized poster competition and nukkad natak on world AIDS day i.e. 01/12/2021 on AIDS awareness.

## Others

- Under the DBT Star scheme the department of Botany organised a guest lecture on “Invasive plant species and our environment” by Dr. Puja Ray, Assistant Professor, Presidency University, Kolkata on 30 September, 2021. Seventy one students attended the lecture.
- On 4 December, 2021, a Mutual non-disclosure agreement & MoU was signed between Aventura Technologies, Distt Thane, Maharashtra and St Aloysius College (Autonomous), Jabalpur. The parties intend to investigate the prospect of working on a research project which will be referred to as Technology for Irrigation in least water availability areas.
- Workshop on “Hydroponic: Practices & Benefits” was organised by the department in collaboration with Biodesign Innovation Centre on 22 January 2022 to enlighten students about hydroponics, its farming and its advantages. Thirty three participants attended the workshop. Resource person for the event was Mr. Angranshu Dwivedi, Jabalpur Incubation Centre.
- The department of Microbiology successfully organised certificate courses on “Water Quality Monitoring” from 6 December, 2021 and “Mushroom Cultivation” from 10 January, 2022.



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- The department of Microbiology organised an Internship programme for M.Sc. (Botany) IV semester students of Govt. M.H. College of Home Science and Science, Jabalpur on Hydroponics from 3-10 March, 2022 in collaboration with Bio-design Innovation Centre of St. Aloysius College (Autonomous) Jabalpur (M.P) India.
- Two faculty members and M.Sc. II sem Microbiology students attended a national workshop on "Organic Farming and Water Conservation" on 4-5 March, 2022 organised by Rani Durgavati University, Jabalpur.
- An educational trip to National Centre for Biological Sciences (Tata Institute of Fundamental Research, TIFR), Pachmarhi, Jabalpur, M.P. was organised on 9-10 March, 2022 sponsored by DBT star scheme. Two faculty members along with twenty seven students of B.Sc.I and II year IMB group from Department of Botany and Microbiology had participated in this trip. The major events during the trip was Nature walk where students learned about flora and fauna of the place, way of communication in animals, nests of various birds and insects, moth varieties apart from experiments in molecular biology and research paper review.
- Newsletter viz. "Nature" was published in each quarter by the department of Botany and Microbiology. The volume focused on issues regarding post pandemic management of biowaste.
- The department of Management in collaboration with the Department of Commerce, St. Aloysius College, Jabalpur had organised an International E Conference on Sustainable Development on 22<sup>nd</sup> September 2021.
- Considering the importance of environmental issues like deforestation, global warming, greenhouse effect, etc. the Department of Economics signed an MOU with Kadam Institute, Jabalpur.
- An Educational Tour to Rani Avanti Bai Sagar Hydroelectric Project was organised on 22 February, 2022 by Department of Physics. Twenty nine students visited Rani Avanti Bai Sagar Hydroelectric Power plant.



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- Online International Tiger Day was celebrated on 29 July 2021 by Department of Zoology. Lecture was delivered to create an awareness regarding the dwindling population of the Tiger species. Students of UG and PG benefited.
- Online wildlife week was celebrated from 1-7 October 2021 by Department of Zoology. The main objective was to create awareness among the youth about wild animal's conservation. The number of registered participants was 56 from across the country.
- DBT Star Scheme Sponsored, Educational Excursion to Bandhavgarh Tiger Reserve was organised by Department of Zoology on 19- 20 February 2022. No. of Beneficiaries – 28 UG Students.
- On the occasion of National Science Day, the Department of Zoology organised (DBT Star scheme sponsored) Zoomania, Under the banner of Srijan. Biorangoli and Poster Competition was organised on the theme Animal Human Relationship and Save wildlife.
- World Earth Day 22 April 2022 - The Nature club organised a Collage competition on the occasion of World Earth Day focusing on the motto "Save the Planet" with the aim of creating awareness among masses about global warming and climate change. The first three winners of the activity were awarded certificates.



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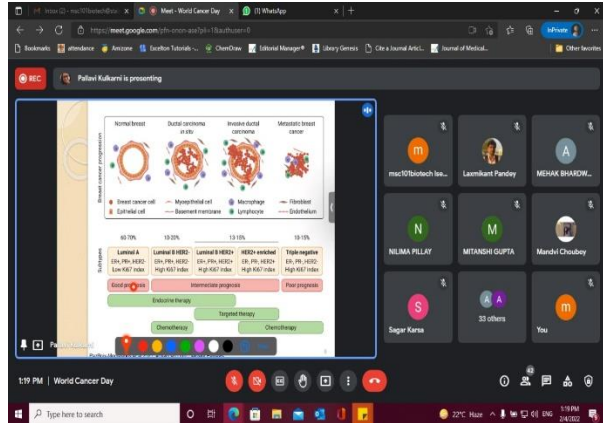
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Olla less water irrigation



Guest lecture on 'Recent Trends in Breast Cancer Research.'



Tree plantation



Quenching the Bird's thirst: Sakora hanging



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Awareness programme on World AIDS Day



Health Awareness Program on "Health & Hygiene"



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Workshop on "Sanitizer Making"



Training on 'Bonsai Cultivation'



Student internship on 'Hydroponics'



Faculty and students attended workshop on 'water conservation and organic farming'



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Rose plantation



Guest lecture on 'Dietary Oils and Health'



Eco fest: Poster Competition



Eco fest: Best Out of Waste Competition



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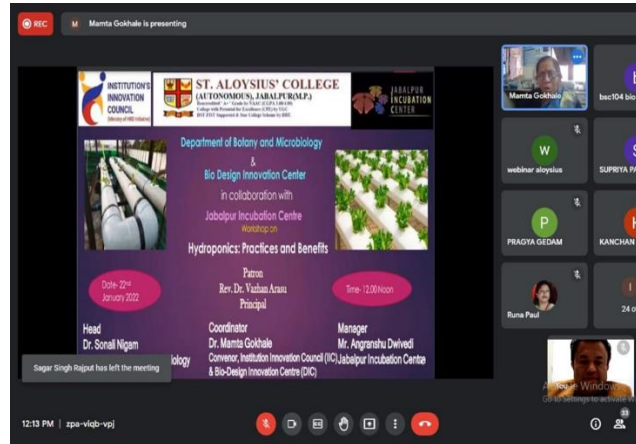
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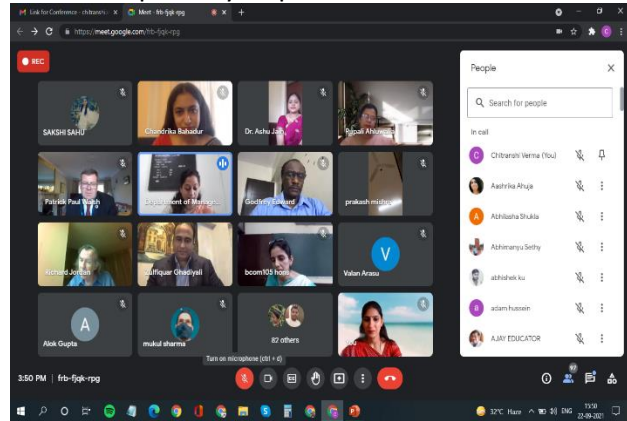
Training program on Mushroom cultivation



Workshop on 'Hydroponic: Practices & Benefits'



Educational Tour: Bandhavgarh



International E Conference on Sustainable Development



Educational trip to National Centre for Biological Sciences (Tata Institute of Fundamental Research, TIFR), Pachmarhi



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