



THE COCHIN COLLEGE

Koovapadam, Kochi-2

Affiliated To Mahatma Gandhi University

Re-accredited by NAAC With B+ Grade



Fourth Cycle
NAAC Accreditation 2024

Criterion 7 Institutional Values and Best Practices

7.1 - Institutional Values and Social Responsibilities

Metric 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*

Environmental Promotional activities: 2019-2020

Submitted to



National Assessment and Accreditation Council



THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ENVIRONMENTAL PROMOTIONAL ACTIVITIES

2019-2020

SINo	Activity	Page Numbers
1	Railway Swachhata Programme	2
2	Beach cleaning drive at Fort Kochi Beach	2
3	Tourism development in Chellanam	4
4	BIOMAG - Community Based Solid Waste Management through Re-Cycling and Up-Cycling In an Adopted Ward Of Corporation of Kochi, Kerala, India	4
5	Workshop on Environment and Sustainable Development Through Healthy Practices (Environment Management Training EMT 2020)	7





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

1 Railway Swachhata Programme

On 2nd October 2019, The Cochin College participated in a flash mob competition as part of the Railway Swachhata Programme conducted by Indian Railway at Ernakulam South Railway Station. This event was organized to raise awareness about cleanliness and hygiene in public spaces, particularly railway stations. The flash mob, performed by enthusiastic students, captivated the audience and effectively conveyed the message of maintaining cleanliness. The participants showcased their talents through energetic dance routines, drawing attention to the importance of Swachh Bharat (Clean India) initiatives. The event not only highlighted the creative expression of the students but also reinforced the significance of collective efforts in promoting a cleaner and healthier environment. The program officers, Dr. Manjusha M.V. and Dominic T. Joseph.



2 Beach cleaning drive at Fort Kochi Beach

Date: 10th December 2019

On 10th December 2019, The Cochin College NSS unit conducted a beach cleaning drive at Fort Kochi Beach in asso-





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ciation with the MLA's Office, Kochi. This initiative aimed to address the issue of marine pollution and maintain the cleanliness of one of the region's most popular tourist spots. Volunteers from the college actively participated in collecting and disposing of waste, ensuring a cleaner and more pleasant environment for visitors and locals alike. The program officers, Dr. Manjusha M.V. and Dominic T. Joseph, led the efforts, coordinating with the MLA's Office to facilitate the successful execution of the event. The beach cleaning drive was a testament to the college's commitment to environmental conservation and community service, reflecting the proactive role of the NSS in fostering sustainable practices and civic responsibility.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

3 Tourism development in Chellanam

On 30th November 2019, NSS volunteers from The Cochin College participated in various activities aimed at promoting tourism development in Chellanam. As part of the initiative, the volunteers took part in photography competitions and other engaging activities designed to highlight the scenic beauty and cultural heritage of the area. These events were organized to boost local tourism and create awareness about the unique attractions of Chellanam. The program officers, Dr. Manjusha M.V. and Dominic T. Joseph



4 BIOMAG - Community Based Solid Waste Management through Recycling and Up-Cycling In an Adopted Ward Of Corporation of Kochi, Kerala, India.

The BIOMAG project was aimed at creating awareness among the public particularly the residents of ward VII of Kochi Corporation about the need to manage plastic waste properly. A consumer state like Kerala has a high per capita





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

generation of plastic waste. This is particularly true in a city like Kochi. The project was perceived as relevant by the Department of Zoology of The Cochin College because of the coastal proximity of Kochi Corporation. Domestic plastic waste that is not managed properly will invariably find its way to the ocean through the storm-water drains and other public dumps especially during the rainy season. Thus it will become a threat to various species of marine life. On land also the dumps and litter lying around results in other threats to animal life through ingestion by birds, cows and other animals. Leaching from dumpsites like Brahmapuram leads to the contamination of ground water by additives and synthetic dyes used as colouring agents.

The Department of Zoology of The Cochin College took up this project as an Outreach project that can be steered by the students of the department under the guidance of the teachers. The main tasks of awareness creation and sensitization about the need to dispose plastic waste properly was undertaken by the students and teachers through door to door visits to the households of the ward and one on one explanation to the residents. Public activities like street plays and skits were also planned to spread awareness. Workshops were conducted on other methods to manage plastic waste such as reduce, reuse and refuse. Do It Yourself (DIY) workshops were also conducted for the public on how to make their own shopping bags from used clothing. Workshops were also conducted on how to do home composting of kitchen waste. The Project was not only aimed at giving awareness and sensitizing the target group about reduce, reuse and refuse strategies but went one step further in offering recycling solutions as well. It was fully understood that despite reduce, reuse and refuse strategies there is inevitably generation of plastic waste in every household particularly due to the fact that every item of food and grocery, from food grains to soap, comes in plastic packaging. Hence it was imperative that for the project to have an impact, recycling options too have to be provided to the public. For this purpose, the Department of Zoology engaged a reliable agency that has considerable experience in the field of door to door collection of plastic waste, followed by grading and finally dispatch for recycling. The agency selected for this was PlanatEarth a non-profit agency based in Aluva.

The recycling solution that was offered to the target community proved to be the main aspect of the project for the public was offered both strategies to reduce the per household generation of waste as well as a way to ensure that whatever plastic waste that is still generated gets collected and recycled. Total 5547 kg of plastic waste has been removed. Some non-recyclables have to be despatched to cement manufacturers for use for use as RDF. This process incurs charges.

The project got widely accepted and was published in American Journal of Multidisciplinary Research and Development (AJMRD).





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

American Journal of Multidisciplinary Research & Development (AJMRD)
Volume 2, Issue 12 (December- 2020), PP 01-08
ISSN: 2360-821X
www.ajmr.com

Research Paper

Open Access

“BIOMAG - Community Based Solid Waste Management through Re-Cycling and Up-Cycling In an Adopted Ward Of Corporation of Kochi, Kerala, India.”

Manju V Subramanian*¹, Smitha N R¹, Vineeth Kumar T V¹,
Sooraj Abraham², Mujeeb Muhammed², Rasheed Ashraf²

¹Department of Zoology, The Cochin College, Kochi-682002, Kerala;
Affiliated to Mahatma Gandhi University, Kerala.

²Planatearth, NGO-Aluva, Register No. ER-313/2009, Kerala, India.

*Corresponding author: Manju V Subramanian



Figure 4: Awareness and training classes for residents of Ward 7, Kochi Cooperation.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Sustainable Living - The need of the Hour

Dr. Manju V Subramanian was the Resource person in the one day Workshop and seminar entitled “Sustainable Living - The need of the Hour” on 16th January 2020 at Museum of Kerala History, Pathadipaam, Edapally. Organized by APOLLO Tyres Foundation and plan @earth, NGO, Aluva.



The resource person Dr. Manju V Subramanian, emphasized that sustainable living had been the need of the hour as our planet faced unprecedented environmental challenges due to over consumption, pollution, and climate change. She explained that by adopting sustainable practices, we could have reduced our ecological footprint and ensured that natural resources would have been available for future generations. This involved making conscious choices in our daily lives, such as minimizing waste, conserving energy and water, opting for renewable energy sources, and supporting eco-friendly products and services. Dr. Manju Subramanian highlighted that sustainable living not only helped protect the environment but also promoted healthier lifestyles and resilient communities. She stressed that it had been imperative for individuals and societies to embrace sustainability to preserve the Earth’s ecosystems, enhance biodiversity, and mitigate the impacts of climate change, thereby securing a viable future for all.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

5 Workshop on Environment and Sustainable Development Through Healthy Practices (Environment Management Training EMT 2020)

As part of Environment Management Training, the Department of Zoology and Nature at The Cochin College, with support from the Kerala State Council for Science, Technology and Environment (KSCSTE), organized a three-day workshop titled "Environment and Sustainable Development Through Healthy Practices" on January 7th, 9th, and 10th, 2020. The program saw the participation of approximately 175 individuals, including students, staff and members of the public (Kudumbasree unit members). The workshop featured a series of technical sessions focusing on topics such as effective methods for biowaste management, biodiversity and sustainable development, vermicomposting, sustainable living, waste management, and adopting green protocols for sustainable development. These sessions were designed to equip participants with practical knowledge and skills for environmental conservation and sustainable practices. The workshop concluded with a field visit to the solid waste recycling and upcycling units of plan@earth in Aluva, Ernakulam, providing attendees with firsthand experience of successful waste management and sustainability initiatives.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Workshop on
Environment and Sustainable Development through Healthy practices
(Environment Management Training - EMT 2020)
7th, 9th & 10th January 2020

REPORT OF Environment Management Training

Workshop on
“Environment and Sustainable Development through Healthy practices” (EMT 2020)
7th, 9th & 10th January 2020

REPORT OF Environment Management Training



Mrudula Menon V.
Mrudula Menon V.
Principal-in-Charge
The Cochin College