

BHOOMITHRASENA CLUB BMC120/TSR/10/10

MES ASMABI COLLEGE, P. VEMBALLUR

The Bhoomithrasena club of MES Asmabi College conducted many activities during the academic year 2024-25. The major achievements of Bhoomithrasena club include cleaning drives, awareness programmes, observance of environmentally important days, vermicompost production etc.

World Environment Day Celebrations 2024

The Environment Day celebration this year focused on sustainable living and promoting green practices within our community. As part of the festivities, a workshop on planting herbs and setting up indoor gardens was organized to educate students on the benefits of growing plants indoors and cultivating herbs for culinary and medicinal purposes. The programme was jointly organized by Bhoomithrasena club, botany department and green initiatives of MES Asmabi College, P. Vemballur. In this planting programme, students bought several medicinal plants and indoor plants from their locality and they divided into groups. Each group engaged in different activities like cleaning of herbal garden, re-potting and planting of herbs in the medicinal garden and planting indoor plants in the corridor of Botany Department. The programme was a great success and students got practical knowledge in different types of medicinal plants, indoor plants and the method of potting, reporting etc.



MES ASMABI COLLEGE
P.VEMBALLUR, KODUNGALLUR
RESEARCH
DEPARTMENT OF BOTANY

June
5

Green
initiatives
Bhoomitrasena
&
Nature club

CELEBRATING WORLD
ENVIRONMENT DAY
2024

PLANTING HERBS
*indoor
beautification*

Co-ordinators

Smt. Shaheedha T M
Dr. Amitha Bachan K H
Dr. Jisha K C
Smt. Nazeema M K
Smt. Shemi C B

HOD

Dr. Girija T P

PRINCIPAL

Dr. Reena Mohammed P M

Brochure of the Programme

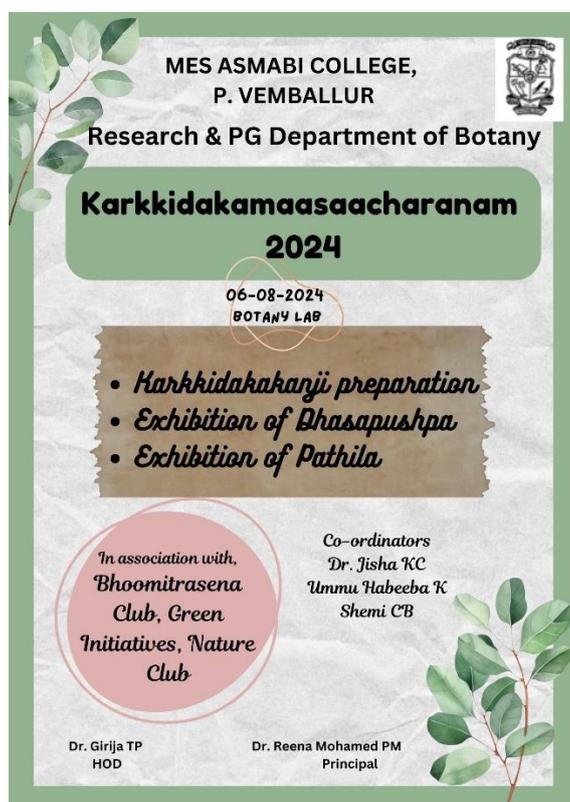


Photographs of the Programme

KARKKIDAKAMAASACHARAM 2024

Bhoomitrasena club in association with Department of Botany conducted various programmes as a part of 'karkkidakamaasacharam 2024' on 6th August 2024. On 6th August 9.30 to 12.30 pm, students prepared 'karkkidakakanji' and served the same to the staff of college and to the students. Principal inaugurated the function. An exhibition of 'Dhaspushpam' and various edible leaves which were commonly used in houses during the month of karkkidaka was also conducted.

Brochures and Photographs were attached.



Brochure of the programme



Exhibition of medicinal plants

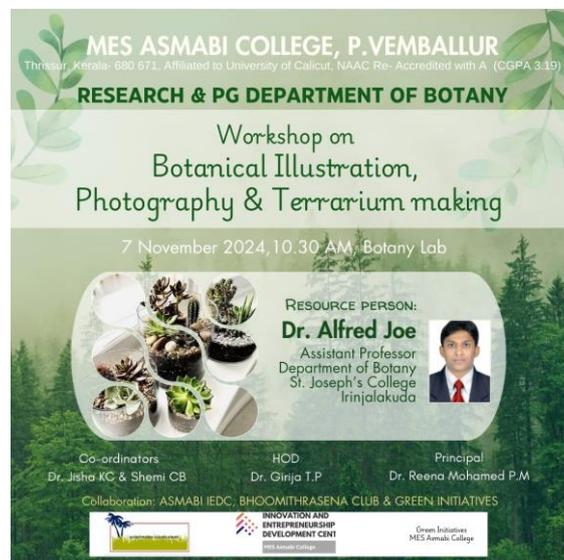
Terrarium making workshop

A terrarium-making workshop was conducted by Bhoomitrasena club in association with Department of Botany, green initiatives and IEDC of the college to teach the students, how to create miniature gardens inside clear glass containers, primarily using waste bottles. This eco-friendly activity aimed to promote sustainable practices by reusing old glass bottles, reducing waste, and bringing greenery indoors. The session emphasized creativity, environmental responsibility, and the therapeutic benefits of engaging with nature.

The resource person for the workshop was Dr. Alfred Joe, Assistant Professor, Department of Botany, St. Joseph's College, Irinjalakkuda. Sir was an expert in making terrariums and he regularly conducted exhibition of terrariums made by him. Participants learned how to clean and prepare glass bottles for use in terrarium making. The resource person demonstrated the layering process, starting with gravel for drainage, followed by a thin layer of activated charcoal, and finally, a layer of potting soil. Plants were arranged carefully to fit within the bottle's space. The resource person provided tips on plant selection and care, especially for low-maintenance plants like succulents and moss. To personalize their terrariums, participants added pebbles, shells, and other small decorations. Care instructions were given to help participants understand watering needs, light exposure, and general upkeep.

Students expressed enthusiasm and satisfaction with the workshop. Many were surprised by the ease of creating a terrarium and appreciated the opportunity to repurpose glass bottles in a creative way. The workshop encouraged students to try more projects at home and fostered a stronger interest in indoor gardening. By utilizing waste bottles, this workshop promoted recycling and upcycling, reducing the demand for new materials. The use of terrariums as indoor plants offers a sustainable option for greenery, requiring less water and maintenance compared to other forms of gardening.

The terrarium-making workshop using waste bottles was a successful event that blended creativity, sustainability, and education. Students gained practical skills in crafting terrariums and a renewed commitment to environmental consciousness. This workshop stands as an example of how small actions can contribute to broader sustainability efforts.



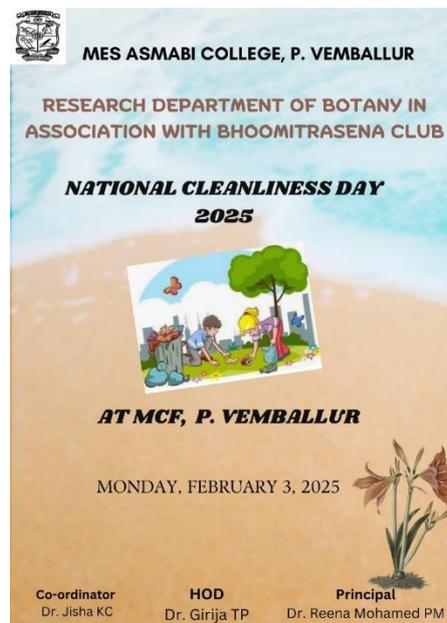
Report on National Cleanliness Day Observation

On 3rd February 2025, the Bhoomitrasena Club members actively participated in the National Cleanliness Day celebration by organizing a cleaning drive at the MCF facility near Asmabi College. This initiative was conducted in collaboration with the dedicated members of the Haritha Karma Sena, emphasizing the importance of environmental hygiene and sustainability.

The event began with an awareness session on waste management and cleanliness, highlighting the significance of maintaining a pollution-free environment. The volunteers then engaged in an extensive cleaning process, collecting waste, segregating biodegradable and non-biodegradable materials, and ensuring proper disposal of collected debris. The participation of Haritha Karma Sena members provided valuable guidance on effective waste disposal techniques and recycling practices, making the event highly informative and impactful. Their expertise helped in efficiently handling the waste materials and educating the volunteers on sustainable waste management methods.

The cleaning drive was a resounding success, reinforcing the commitment of Bhoomitrasena Club members to environmental conservation. It also served as a motivation for students and the community to actively contribute towards a cleaner and healthier environment.

Brochure and photographs were attached.





World Wetland Celebration 2025

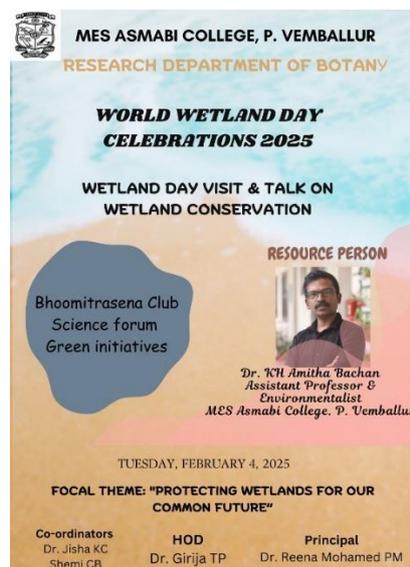
The Wetland Day celebration was held on 4th February 2025 to raise awareness about the importance of wetland ecosystems and the need for their conservation. The programme was conducted by Department of Botany in association with Bhoomitrasena club, Green initiatives and Science Forum of MES Asmabi College, P. Vemballur. The event featured a visit to 'Pullu Paadam,' a significant wetland area, followed by an insightful talk by Dr. K.H. Amitha Bachan on conservation strategies and the challenges faced in preserving wetlands.

The programme began with an educational visit to 'Pullu Paadam,' where students explored the rich biodiversity of the wetland and understood its ecological significance. Teachers highlighted the role of wetlands in maintaining groundwater levels, supporting diverse flora and fauna, and acting as natural water filters.

Following the visit, Dr. K.H. Amitha Bachan, Assistant Professor and Environmentalist, MES Asmabi College delivered an informative session on wetland conservation. He discussed various conservation strategies, including community participation, sustainable land-use practices, and policy-level interventions. Additionally, he addressed key challenges such as encroachment, pollution, and climate change impacts that threaten wetland ecosystems.

The Wetland Day celebration successfully enhanced awareness and encouraged proactive measures for wetland protection.

Photographs were attached.



Brochure and photographs

National Science Day Celebrations 2025

Bhoomithrasena club in association with Department of Botany and Science Forum, MES Asmabi College, P. Vemballur observed National Science day 2025 on 28th February 2024. In connection with this an invited talk was organized. Dr. Udayan P.S, Senior Consultant, NMPB-RCFC(SR), KFRI, Peechi was the resource person. The speaker gave an insightful talk on the pros and cons of Science. The resource person shared his concern about the future and existence of human beings on earth. He highlighted the major environmental issues like pollution, global warming, uncontrolled use of natural resources, Human animal conflict etc. As the concluding note the resource person shared some suggestions to conserve biodiversity and sustainable use of natural resources. BSc and Msc students and faculty from the Department of Botany participated in the programme. Programme started with a welcome address by Dr. Girija T.P, HoD, Department of Botany at 10.30 A.M and ended with a vote thanks to the resource person and all the participants at 12.00 P.M.

As a part of science day a celebration, a poster making competition was also organized for students on 12/03/2025. Many students participated in the competition and Shifana Sharin K and Thasleema Parvin of I BSc Botany won the first prize.

Photographs were attached





***Talk on 28th February 2025 by Dr. Udayan PS, Senior Consultant, NMPB-RCFC(SR),
KFRI, Peechi***





Poster making competition as part of Science Day celebrations 2025

Audit Report on Non-Biodegradable Waste Management Facilities in the

Ward No. 21, SN Puram Panchayath, Thrissur

This report evaluates the current status of non-biodegradable waste management in Ward No. 21 of the SN Puram Panchayat. Special emphasis has been given to the operation of the Haritha Karma Sena (HKS) and the functioning of the Material Collection Facility (MCF). The purpose of this audit is to identify challenges and provide actionable recommendations for effective waste management.

The 21st ward of SN Puram Panchayath is a coastal village primarily inhabited by members of the fishing community. Its waste management system is commendable. The Haritha Karma Sena regularly collects plastic waste from households and commercial establishments within Ward No. 21. Community feedback indicates that the collection process is systematic and timely. In spite of the systematic waste collection in the area, the MCF is overcrowded with plastic waste, significantly limiting operational efficiency.

Lack of sufficient storage space and inadequate categorization of collected materials exacerbate the congestion issue. The removal of waste from the MCF is irregular, causing accumulation and operational bottlenecks. The primary cause of waste buildup in the MCF is that all non-biodegradable waste from the 21 wards of the SN Puram Panchayath is stored there, and the space is insufficient to manage the waste generated by all these wards.

Challenges Identified

1. Overcrowding at the MCF due to irregular waste removal.
2. Lack of sufficient infrastructure at the MCF.

Recommendations

1. **Enhance Infrastructure and Operations:** Expand the storage capacity of the MCF or establish additional facilities to accommodate the growing volume of waste.
2. **Improve Waste Removal Mechanisms:** Establish regular schedules for the removal of waste from the MCF in collaboration with authorized recycling units.







VERMICOMPOST PRODUCTION

The Bhoomitrasena students of MES Asmabi College actively engaged in the production of vermicompost in college campus. The organic waste like plant debris, fallen leaves etc. from the campus were collected and used for the compost production. The harvested product was used as manure for plants in the campus.

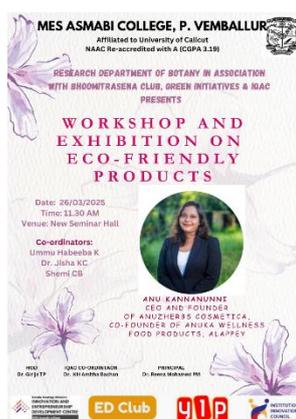


REPORT ON 'WORKSHOP AND EXHIBITION ON ECO-FRIENDLY PRODUCTS'

Bhoomitrasena club in association with Department of Botany, IQAC and Green initiatives jointly organized a workshop cum exhibition on eco-friendly products on March 26, 2025. The resource person for the programme was Anu Kannanunni, a renowned entrepreneur in natural cosmetics. The event aimed to promote sustainable living practices by educating participants about the benefits and importance of using eco-friendly products, particularly in the cosmetics industry. The session began with an introduction to Anu Kannanunni's entrepreneurial journey and her commitment to natural and sustainable cosmetics. She highlighted the harmful effects of synthetic chemicals commonly found in commercial products and emphasized the need for organic and eco-friendly alternatives.

Anu Kannanunni elaborated on the environmental and health benefits of using natural cosmetics. She explained how chemical-free products reduce pollution and minimize skin-related issues. She introduced various natural ingredients such as herbal extracts, essential oils, and organic butters that serve as safe alternatives in skincare and beauty products. Attendees learned how to make simple eco-friendly skincare products such as lip balms, face masks, and body scrubs using organic ingredients. The session also covered best practices for reducing waste, reusing packaging, and supporting ethical brands.

The workshop and talk by Anu Kannanunni successfully raised awareness about eco-friendly products and their significance in promoting sustainable living. The event provided valuable insights into the benefits of natural cosmetics while equipping attendees with practical skills to incorporate sustainable practices into their daily lives. Overall, it was a well-received and impactful session, inspiring many to make conscious choices for a greener future. Brochure and photographs are attached.



Brochure of the programme



Photographs of the programme

INSTALLATION OF PLASTIC WASTE COLLECTION BIN IN THE COLLEGE BUS STAND

To promote environmental sustainability and proper waste management, a plastic waste collection bin was installed at the college bus stop on March 26, 2025. This initiative was undertaken with financial support from the Bhoomitrasena Club and aims to encourage responsible waste disposal practices among students and the general public.

The installation process was carried out smoothly with active participation from Bhoomitrasena Club members. The bin was strategically placed at the bus stop, to maximize its use. Informational signboards were also put up to educate users on proper waste disposal practices. The project was entirely funded by the Bhoomitrasena Club, showcasing their commitment to environmental conservation. The collected plastic waste will be periodically picked up by Harithakarma Sena of SN Puram panchayath. Their involvement ensures that the collected waste is processed appropriately, preventing environmental hazards.

