

# DEPARTMENT OF B.VOC

## PROFESSIONAL ACCOUNTING AND TAXATION



DEPARTMENT OF PROFESSIONAL ACCOUNTING AND TAXATION  
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI

EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI

Aided by Govt. of Kerala, Affiliated to University of Calicut

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*"Where Trade Comes to Life"*

### A REPORT ON EXTENSION PROGRAMME

**Mercatorum**  
THE EXPOSITIO OF MERCATUS

**Faculty Coordinator**

Mohammed Asif K  
(9061022007)

**Student Coordinator**

Mohammed Salih C C  
(9656812021)

## MERCANDORUM

26 MARCH 2024

Date: 26/03/2024



DEPARTMENT OF PROFESSIONAL ACCOUNTING AND TAXATION  
 EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTY



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# Mercatorum

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26 MARCH 2024

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**OUR PROGRAM COVERS:**

- Market Research and Analysis
- Branding and Positioning
- Digital Marketing
- Sales and Distribution Channels
- Customer Relationship Management
- Funding and Resources

Exciting news! We're hosting a program focused on empowering Micro, Small, and Medium Enterprises (MSMEs) through effective marketing strategies

## Programme Schedule

THE EXPOSITIO OF MERCANTUS: MERCANDORUM

Date: 26th MARCH 2024

Time: 9.30 am

- 
- Welcome speech : Muhammed Asif N  
(Co-ordinator of MERCANTORUM)
- Presidential address : Moideen shafeeq K  
(Co-ordinator of B.Voc Department)
- Chief Guest : Dr. Hamza Anjumukkil  
(Founder of britco & bridco)
- Felicitation : Mrs.Houlath  
(IQAC Co-ordinator, EMEA college)
- : Mr. Abdul Jaleel M  
(Department of English)
- :Ms. Kamala Madathil  
(HOD of Commerce Department)
- Vote of thanks : Dr. Afsheena.P  
(HOD of Logistics management)

# Extension programme Report: The Expositio Mercatus Mercatorum

The B.Voc Professional Accounting and Taxation Department of EMEA College of Arts and Science conducted an extension program at Mahogany Park, EMEA College of Arts and Science, Kondotty, on March 26, 2024. The program, titled "The Expositio Mercatus Mercatorum: Where Trade Comes to Life," aimed to help participants understand the importance of buying and selling goods and services. It is particularly beneficial for small-scale industries and Kudumbashree groups in the nearby area.

**Overview:** The extension program aimed to help nearby production units and MSMEs understand how to buy and sell goods effectively and efficiently.

**Activities:** An exhibition showcased various products used in our daily lives. Companies that set up stalls at the expo included Fulva, Kudumbashree, Palliative Pilikkal, Ability Foundation for the Disabled, a soap company, and others. A sale of products manufactured by Micro, Small, and Medium Enterprises (MSMEs), Kudumbashree units, and palliative units was also conducted at the expo. The extension program mainly focused on:

**Job Creation:** Trade creates jobs by opening markets for businesses.

**Increased Production:** Access to larger markets encourages higher production levels.

**Variety:** Consumers gain access to a wider variety of goods and services.

**Innovation:** Exposure to new products and technologies fosters innovation.

**Efficiency:** Competition from foreign producers encourages domestic producers to become more efficient.

**Lower Prices:** Increased competition can lead to lower prices for consumers.



Mercatorum  
THE EXPOSITIO OF MERCATUS

Faculty Coordinator: Mohammed Asif K  
Student Coordinator: Mohammed Salim C C

26 MARCH 2024

## OBJECTIVES OF THE PROGRAMME

- **Compliance with Regulations:** Adhering to regulations helps avoid penalties, fines, and legal issues that can negatively impact a business.
- **Product Protection and Safety:** Proper packaging protects products from damage during transit and storage, ensuring they reach customers in optimal condition.



### THE EXPOSITIO OF MERCATUS Mercatorum '24 26 MARCH, 2024

"Where Trade Comes to Life"



Inauguration:  
**DR. HAMZA  
ANCHUMUKKIL**

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Additionally, accurate labelling provides essential information about usage, handling instructions, and potential hazards, enhancing consumer safety.

- **Brand Identity and Differentiation:** MSMEs need to understand how packaging design and labelling contribute to brand recognition and differentiation in competitive markets.

- **Supply Chain Efficiency:** Knowledge of packaging materials, sizes, and labeling requirements can streamline supply chain operations for MSMEs. Properly packaged and labeled products facilitate inventory management, warehousing, transportation, and logistics, reducing costs and enhancing efficiency.

- **Risk Management:** Properly packaged

and labeled products reduce the risk of liability and product recalls due to inadequate information or safety concerns. MSMEs can mitigate risks associated with product quality, safety, and compliance by investing in effective packaging and labeling practices.

- **Market Size and Growth:** Assess the current market size and historical growth rates.
- **Market Segmentation:** Break down the market into segments (e.g., by product type, region, customer type).
- **Supply Analysis:** Analyze production capacities, sources of supply, and key suppliers.
- **Demand Analysis:** Understand consumer behavior, preferences, and demand drivers.
- **Trade Routes:** Map out major trade routes and transportation methods.
- **Logistics Efficiency:** Evaluate the efficiency and challenges in logistics and supply chain management.
- **Economic Indicators:** Examine relevant economic indicators such as GDP growth, inflation, and exchange rates.
- **Political Environment:** Assess the impact of trade policies, tariffs, and international trade agreements.

Faculty Coordinator

Student Coordinator

Moham  
(90610

(9656812021)

26 MARCH 2024

## OUTCOME OF THE PROGRAMME

- **Improved Compliance:** MSMEs help businesses understand trade regulations, leading to better compliance with local, national, and international standards. This reduces the risk of legal issues, fines, and penalties, promoting a more secure business environment.
- **Enhanced Product Quality and Safety:** MSMEs can improve the quality and safety of their products. They help protect Kudumbashree products during transit and storage, while accurate labelling provides essential information to consumers, minimizing safety hazards and risks.
- **Increased Brand Recognition and Differentiation:** MSMEs learn how to optimize production, which contributes to product identity and differentiation. By implementing effective product design and marketing strategies, they can enhance brand recognition, attract consumers' attention, and differentiate themselves from competitors.
- **Boosted Sales and Market Presence:** A program focused on trade equips MSMEs with the knowledge to create packaging that resonates with consumers and effectively communicates product benefits. This can lead to increased sales, improved market presence, and enhanced competitiveness.
- **Streamlined Supply Chain Operations:** Understanding packaging materials, sizes, and labelling requirements helps MSMEs optimize supply chain operations. Properly packaged and labelled products facilitate inventory management, transportation, and logistics, leading to improved efficiency and cost savings.
- **Comprehensive Overview:** Gain a thorough understanding of the current state of the market, including market size, growth rates, and segmentation.
- **Consumer Behaviour:** Insights into consumer preferences, buying patterns, and demand drivers.
- **Historical Trends:** Recognition of long-term trends in the market.
- **Emerging Trends:** Identification of new and upcoming trends that could impact the market.
- **Cyclical Patterns:** Understanding cyclical patterns and seasonal variations in trade.
- **Efficiency Analysis:** Evaluation of the efficiency of current supply chains and logistics.
- **Improvement Opportunities:** Identification of areas for improvement in logistics and supply chain management.
- **Cost Savings:** Recommendations for cost-saving measures and strategies.
- **Economic Indicators:** Assessment of how economic factors such as GDP, inflation, and exchange rates affect trade.



## RANDOM SNAPS FROM THE PROGRAMME



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Karipur, Kerala, India  
4WMR+HMG, Padinharathara, Karipur, Kerala 673647, India  
Lat 11.134098°  
Long 75.941783°  
26/03/24 11:49 AM GMT +05:30

Google

GPS Map Camera

Join us for an exciting



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4WMV+G8W, Padinharathara, Karipur, Kerala 673647, India  
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Long 75.943383°  
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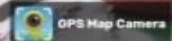
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4WMV+G8W, Padinharathara, Karipur, Kerala 673647, India  
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Long 75.943445°  
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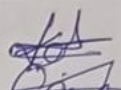
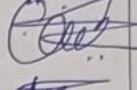
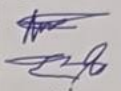
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**PARTICIPANTS' LIST**

**LIST OF PARTICIPATING ORGANISATIONS  
IN MERCANDORUM 2024**

S.NO	COMPANY	ADDRESS	MOBILE NO.	SIGN
1.	KUDUMBASREE	KUMMINIPARAMB	7736516679	
2.	PALLIATIV PULIKKAL	PULIKKAL	9947412076	
3.	ABILITY FOUNDATION FOR THE DISABLED	PULIKKAL	9526533661	
4.	FULVA	KOZHIKODE	9207398122	

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**INVOICE**  
**ABILITY BAIRUHA SELF HELP GROUP**  
Pulikkal, Valiyaparamba (PO), Malappuram, Kerala-673637  
Ph: 9207380422

Invoice No.612

Date : 26/03/2024

To: Student's Committee, EMEA Arts & Science College

Sl. No	Particulars	Quantity	Rate	Amount
1	UMBRELLA COLOUR	1	390	390.00
2	Paper Pen	77	10	770.00
3	Puttu Maker (Bamboo)	7	180	1,260.00
4	Cup	3	30	90.00
5	Cup	11	35	385.00
6	Cup	2	40	80.00
7	Cup	1	45	45.00
8	Flower Vase	1	100	100.00
9	Notebook	3	45	135.00
10	Prayer Dress (Jilbab)	3	300	900.00
11	Prayer Dress (Jilbab)	3	400	1,200.00
12	Prayer Dress	1	450	450.00
13	Pappad Stick	4	25	100.00
<b>TOTAL</b>				<b>5,905.00</b>

Rupees in words: Five Thousand Nine Hundred and Five Only

For Ability Bariuha Self Help Group

Sd/-

Authorised Signatory



## List of Students

S.NO	NAME	CLASS	SIGNATURE
1	Faris P	B.VOC	
2	Fazi Basith	B.Voc	
3	Zahgeer B	"	
4	Farkan A	"	
5	RINBLAD K.C	"	
6	suvaise	"	
7	AMEEN	"	
8	Sabith	"	
9	Nabeel P.P	"	
10	wahid ahmmed	"	
11	Sayan K	"	
12	Salseel	"	
13	Sarif P.K	"	
14	Shabin	"	
15	shabana	"	
16	Sreedev. A	"	
17	Asade	"	
18	FATHIMA Fida	"	
19	btenee fa	"	
20	Abithe N	B-com	
21	ANITA M	"	
22	Archana P-A	"	
23	Ambika K	"	
24	Mohassis G	"	
25	Asad .OK	"	

26	Hiba Fathima V-P	B-BA	V-P
27	Shina	"	Shina
28	Ajith O	"	<del>Ajith</del>
29	Buhasyat Rahman	B-com	<del>Buhasyat</del>
30	rooh	"	rooh
31	Lateeda P	"	P
32	Lethefullah I	"	I
33	Manned Arneer O P	"	<del>Manned</del>
34	Fahim M	"	<del>Fahim</del>
35	fazil O K	"	<del>fazil</del>
36	Muqthae	B-BA	<del>Muqthae</del>
37	Shibily TP	"	<del>Shibily</del>
38	Shubail C	"	<del>Shubail</del>
39	Muhammed Nisham	"	<del>Muhammed</del>
40	Muhammed Jinas TP	"	Jinas
41	Midlaj	"	<del>Midlaj</del>
42	Safal	"	Safal
43	Samin	BBA	<del>Samin</del>
44	Salvan Sukait	B-com	<del>Salvan</del>
45	Sheel Shujas	B-com	<del>Sheel</del>
46	<del>CRIPITA</del>	BBA	<del>CRIPITA</del>
47	MUFEEEDA M	B-Voc	<del>MUFEEEDA</del>
48	RIVA HANA M	B-Voc	<del>RIVA HANA</del>
49	SHEREEF V-P	"	V-P
50	SNEHA	"	Sneha
51	Amira	B-com	<del>Amira</del>
52	Ajisha	BBA	<del>Ajisha</del>

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**REPORT ON EXTENTION PROGRAMME**

**Logistics Management in B.Voc Department**

**Date: 26/03/2024**





DEPARTMENT OF LOGISTICS MANAGEMENT  
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTY



*"Revolutionizing Packaging &  
Labeling: Explore the Future  
Today"*



**26 March 2024**

**EXTENSION  
PROGRAM**

PACKAGING AND LABELING EXPO

**PackTech  
2k24**

Faculty Coordinator: Amira Noora A  
(9496470786, 9995254529)

Student Coordinator: Mohammed Riyas A K  
(9645523339)

# REVOLUTIONIZING PACKAGING & LABELLING: EXPLORE THE FUTURE TODAY

Date: 26<sup>th</sup> MARCH 2024, Time: 9.30 am

## PROGRAMME SCHEDULE

Welcome speech	: Amira Noora. A (Co-ordinator of PACKTECH 2K24)
Presidential address	: Moideen shafeeq K (Co-ordinator of B.Voc Department)
Chief Guest	: Dr. Hamza Anjumukkil (Founder of Britco & Bridco)
Felicitation	: Mrs.Houlath (IQAC Co-ordinator, EMEA college)
Vote of thanks	: Dr. Afsheena.P (HOD of Logistics management)

## **PROGRAMME REPORT**

The students of B.Voc Logistics Management Department of EMEA College of Arts and Science have conducted an extension programme at Mahogany Park at EMEA College of Arts and Science, Kondotty on 26/03/2024 on the Title, “Revolutionizing Packaging and Labelling: Explore the Future Today” for the nearby Micro, Small scale and Medium scale Enterprises (MSME). The programme conducted by B.Voc Logistics Management students. The extension programme aimed to understand nearby MSME unit about the packaging and labelling on the product through interactive and practical demonstration.

**Activities:** An exhibition of various machineries that are used for labelling and packaging is conducted. Companies that opened stalls in the expo are Finix Labels, Bake Tech, Winner Associates, KPM Machineries. A sale of products manufactured by Micro Small and Medium Enterprises (MSME), Kudumbasree units and Palliative units are also conducted in the expo.

## **OBJECTIVES OF THE PROGRAMME**

- **Compliance with Regulations:** Compliance helps avoid penalties, fines, and legal issues, which can negatively impact the business.
- **Product Protection and Safety:** Proper packaging protects products from damage during transit and storage, ensuring that they reach customers in optimal condition. Additionally, accurate labelling provides essential information about usage, handling instructions, and potential hazards, enhancing product safety for consumers.
- **Brand Identity and Differentiation:** MSMEs need to understand how packaging design and labelling contribute to brand recognition and differentiation in competitive markets.
- **Supply Chain Efficiency:** Understanding packaging materials, sizes, and labelling requirements can streamline supply chain operations for MSMEs. Properly packaged and labelled products facilitate inventory management, warehousing, transportation, and logistics, reducing costs and enhancing efficiency.
- **Risk Management:** Properly packaged and labelled products reduce the risk of liability and product recalls due to inadequate information or safety concerns. MSMEs can mitigate risks associated with product quality, safety, and compliance by investing in effective packaging and labelling practices.

## OUTCOME OF THE PROGRAMME

- **Improved Compliance:** MSMEs become more knowledgeable about packaging and labelling regulations, leading to better compliance with local, national, and international standards. This reduces the risk of legal issues, fines, and penalties, promoting a more secure business environment.
- **Enhanced Product Quality and Safety:** With a better understanding of packaging and labelling requirements, MSMEs can improve the quality and safety of their products. Proper packaging protects products during transit and storage, while accurate labelling provides essential information to consumers, minimizing safety hazards and risks.
- **Increased Brand Recognition and Differentiation:** MSMEs learn how packaging and labelling contribute to brand identity and differentiation. By implementing effective packaging design and labelling strategies, they can enhance brand recognition, attract consumers' attention, and differentiate themselves from competitors in the market.
- **Boosted Sales and Market Presence:** A program focusing on packaging and labelling equips MSMEs with the knowledge to create packaging that resonates with consumers and effectively communicates product benefits. This can lead to increased sales, improved market presence, and enhanced competitiveness in the marketplace.
- **Streamlined Supply Chain Operations:** Understanding packaging materials, sizes, and labelling requirements helps MSMEs optimize their supply chain operations. Properly packaged and labelled products facilitate inventory management, transportation, and logistics, leading to improved efficiency and cost savings.





## PackTech 2k24

Sl.no	Name of the Company	Address	Mob.No	Signature
1.	Finix Labels	Finix Labels Shivadha Masjid Road, Reheman Bazar, Kozhikode	9747467868	
2.	Bake Tech	Bake Tech Eranholi Palam Kannur	9946728225	
3.	Winner Associates	Winner Associates Near St. Alphonsa Convent, Perinthalam anna	8138008881	
4.	KPM Marketing	KPM Marketing Petta, Feroke Kozhikode	7909101453	

REPORT

ON

**EXTENSION ACTIVITY**

**Documentation of Medicinal Plants in  
the campus of AMUP School  
Kumminiparamba**

ORGANIZED BY

DEPARTMENT OF BIOCHEMISTRY

E.M.E.A. COLLEGE OF ARTS AND SCIENCE

27 FEBRUARY- 7 MARCH 2024



**DEPARTMENT OF BIOCHEMISTRY**  
**EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTY**  
(Re-accredited with 'A' Grade by NAAC)

**EXTENSION ACTIVITY**

# **DOCUMENTATION OF MEDICINAL PLANTS**

**AMUP SCHOOL  
KUMMINIPARAMBA**

**2024 MAR. 07 THURSDAY  
09.30 AM**



## **Introduction**

On 7 March 2024, the Department of Biochemistry at E.M.E.A. College of Arts and Science organized an extension activity aimed at documenting the medicinal plants on the campus of AMUP School, Kumminiparamba. The activity involved second-year biochemistry students, providing them with hands-on experience in identifying and understanding the medicinal properties of local flora. This initiative aimed to foster awareness about the importance of medicinal plants and their role in traditional and modern healthcare systems.

### **Objectives**

The primary objectives of the activity were:

- To engage students in the field identification and documentation of medicinal plants.
- To understand the medicinal properties and traditional uses of locally available plants.
- To raise awareness among the school community about the importance of conserving medicinal plants.
- To link theoretical knowledge gained in the classroom with practical, real-world applications.

### **Participants**

The activity was conducted by second-year biochemistry students from E.M.E.A. College of Arts and Science, under the supervision of faculty members



from the Department of Biochemistry. The students were divided into teams, each responsible for identifying, collecting data, and documenting different medicinal plants present on the school campus.

### **Methodology**

The following steps were followed for the documentation process:

1. Field Survey: Students conducted a survey of the AMUP School campus, identifying various plant species with potential medicinal value.
2. Identification: Plants were identified using botanical guides, apps, and expert consultations. Key features such as leaves, flowers, and stems were closely observed.
3. Data Collection: Each plant was documented with respect to its local (Malayalam) name, scientific name, common English name, and traditional medicinal uses.
4. Photographic Documentation: Photographs of the plants were taken to aid in visual identification and future reference.
5. Analysis of Medicinal Properties: Based on literature reviews and prior knowledge, the medicinal properties of each plant were analyzed and documented.

### **List of Documented Plants**

The following plants were documented during the activity, along with their scientific names, local names in Malayalam, common English names, and medicinal properties:

|

## Conclusion

The extension activity at AMUP School was a successful endeavor in documenting valuable medicinal plants and engaging students in experiential learning. It not only provided hands-on experience but also emphasized the importance of conserving medicinal plant species. The knowledge gained through this exercise will contribute to both academic and practical aspects of the students' education in biochemistry and related fields.

Sl.no	Scientific Name	Common Name	Medicinal Properties
1.	<i>Ageratum houstonianum</i>	കുഞ്ഞിച്ചിരക Common Floss Flower	Anti-inflammatory, antimicrobial
2.	<i>Albizia saman</i>	പുവരശു , <u>മഴമരം</u> Rain Tree	Antioxidant, anti-diabetic
3.	<i>Alternanthera brasiliiana</i>	ചോരച്ചീര Ruby Leaf	Antibacterial, anti-inflammator
4.	<i>Alternanthera sessilis</i>	പൊന്നാങ്കണി Sessile Joyweed	Antioxidant, anti-inflammatory
5.	<i>Amaranthus blitum</i>	കാട്ടുചീര Purple Amaranth	Rich in vitamins, detoxifying
6.	<i>Artocarpus heterophyllus</i>	പ്ലാവ് Jackfruit	Antioxidant, anti-ulcer,

			antidiabetic
7.	<i>Azadirachta indica</i>	ആര്യവേപ്പ് Neem	Antibacterial, antifungal, antiparasitic
8.	<i>Bougainvillea berberidifolia</i>	കടലാസ്സുചെടി Bougainvillea	Antidiabetic, anti- inflammatory
9.	<i>Callisia fragrans</i>	കാലിസിയ Basket Plant	Anti-inflammatory, antioxidant
10.	<i>Carica papaya</i>	പപ്പായ Papaya	Antioxidant, digestive aid, anti- inflammatory
11.	<i>Manihot esculenta</i>	കപ്പ Cassava	Anti-inflammatory, antidiarrheal
12.	<i>Capsicum annum</i>	മുളക് Chilli	Analgesic, antioxidant, anti- inflammatory
13.	<i>Chromolaena odorata</i>	കമ്യൂണിസ്റ്റ് പച്ച Jack in the Bush	Antimicrobial, wound healing
14.	<i>Citrus limon</i>	ചെറുനാരങ്ങ Lemon	Antioxidant, detoxifying, digestive aid
15.	<i>Cucurbita pepo</i>	മത്തൻ Pumpkin	Antidiabetic, antioxidant
16.	<i>Datura</i>	ഉമ്മം Jimson Weed	Analgesic, antispasmodic (toxic in large amounts)
17.	<i>Dracaena trifasciata</i>	മരൽ Snake Plant	Air purifier (traditional use for respiratory issues)
18.	<i>Ficus fraseri</i>	ചെറാല	Antioxidant, anti-inflammatory

		Ficus	
19.	<i>Hibiscus rosa</i>	ചേമ്പരത്തീ Hibiscus	Antioxidant, reduces blood pressure
20.	<i>Ixora coccinea</i>	ചെറ്റിപ്പൂ Jungle Geranium	Antibacterial, anti-inflammatory
21.	<i>Lantana camara</i>	അരിപ്പൂച്ചെടി Lantana	Antimicrobial, anti-inflammatory (caution toxic in excess)
22.	<i>Macaranga peltata</i>	വട്ട Shield-Leaf Tree	Antibacterial, antifungal
23.	<i>Mangifera indica</i>	മാവ് Mango	Antioxidant, anticancer, immune booster
24.	<i>Mentha arvensis</i>	പുദീന Mint	Digestive aid, antispasmodic
25.	<i>Mikania micrantha</i>	ധൂതരാഷ്ട്രപ്പച്ച Bitter Vine / Climbing Hempvine	Antibacterial, wound healing
26.	<i>Mimosa pudica</i>	തോട്ടാവടി Touch Me Not	Antimicrobial, wound healing, antidiabetic
27.	<i>Moringa</i>	മൂരിങ്ങ Drumstick Tree	Antioxidant, anti-inflammatory, nutrient-rich
28.	<i>Musa acuminata</i>	ഏത്തപ്പഴം Banana	Antioxidant, digestive aid, antiulcer

29.	<i>Nerium oleander</i>	അരളി Oleander	Anticancer, cardiotonic (toxic in large amounts)
30.	<i>Passiflora edulis</i>	പാഷൻ ഫ്രൂട്ട് Passion Fruit	Sedative, antianxiety
31.	<i>Pentas lanceolata</i>	Egyptian Star Cluster	Antibacterial, wound healing
32.	<i>Persea americana</i>	അവക്കാഡോ Avocado	Antioxidant, anti-inflammatory, heart health
33.	<i>Phaseolus vulgaris L.</i>	Common Beans	Antidiabetic, cholesterol-lowering
34.	<i>Phoenix dactylifera palm</i>	ഇന്ത്യപ്പഴം Date Palm	Antioxidant, energy booster, anti-inflammatory
35.	<i>Psidium guajava</i>	പെരയ്ക്ക Guava	Antidiarrheal, antidiabetic, antioxidant
36.	<i>Pteris vittata</i>	Ladder Brake (Fern)	Antibacterial, detoxifying
37.	<i>Sida urens</i>	വലാക്കുറുന്തോട്ടി Prickly Fanpetals	Anti-inflammatory, antioxidant
38.	<i>Simarouba glauca</i>	ലക്ഷ്മിതരൂ Paradise Tree	Anticancer, antimicrobial
39.	<i>Solanum lycopersicum</i>	തക്കാളി Tomato	Antioxidant, heart health
40.	<i>Solanum melongena</i>	വഴുതന Eggplant / Brinjal	Antioxidant, lowers cholesterol

41.	<i>Tradescantia sp athacea</i>	മൂഞ്ചിയച്ചിര Moses in the Cradle	Anti-inflammatory, antibacterial
42.	<i>Trema orientalis</i>	ആമത്താളി Indian Charcoal Tree	Antibacterial, digestive aid
43.	<i>Tridax procumbens tridax</i>	ഒടിയൻപച്ച Tridax Daisy	Wound healing, antimicrobial



 GPS Map Camera



Karipur, Kerala, India  
4WVV+239, Padinharathara, Karipur, Kerala 673638, India  
Lat 11.142777°  
Long 75.942948°  
27/02/24 12:20 PM GMT +05:30



Google

**Karipur, Kerala, India**

4WVR+6X7, EMEA College - Airport Rd, Padinharathara, Karipur,  
Kerala 673647, India

Lat 11.142963°

Long 75.942456°

27/02/24 12:20 PM GMT +05:30





## **Outcomes**

- Student Engagement: The activity enabled students to apply their classroom learning in a real-world setting. By identifying and documenting medicinal plants, they developed practical skills in botany and pharmacognosy.

- Conservation Awareness: The event raised awareness about the importance of preserving medicinal plants and biodiversity within the local community, including the students and staff of AMUP School.

REPORT  
ON  
**DONATION OF BOOKS**  
TO  
**SCIENCE LIBRARY**  
AT  
**AMUP SCHOOL**  
**KUMMINIPARAMBA**

ORGANIZED BY  
DEPARTMENT OF BIOCHEMISTRY  
E.M.E.A. COLLEGE OF ARTS AND SCIENCE  
27 FEBRUARY 2024

Science library in a school helps in developing scientific attitude and scientific temper among students. It can aid in self study and quench curiosity. By understanding the importance of science library, the bio-explorers club of the department decided to start a science library in AMUP School, Kumminiparamba and was inaugurated it by handing over books to the Deputy Head Master. The club ensures to provide books to the library every year.

The department signed an MoU regarding this in 2023.

On 27 February 2024, the students of BSc Biochemistry donated more books to the science library.

# PHOTOS



# REGISTER

Date	Accession No	Title	Author	Year	Edition	Pages	Remarks
28-2-24	SL-021	നമ്മുടെ സംസ്കാരം	Dr. S. S. S. S. S.	2017	1	96	
28-2-24	SL-022	കേരളം - നമ്മുടെ ഭൂമി	Dr. S. S. S. S.	2011	1	92	
28-2-24	SL-023	കേരളം - നമ്മുടെ ഭൂമി	Dr. S. S. S. S.	2014	2	72	
28-2-24	SL-024	കേരളം - നമ്മുടെ ഭൂമി	Dr. S. S. S. S.	2013	2	80	
28-2-24	SL-025	കേരളം - നമ്മുടെ ഭൂമി	Dr. S. S. S. S.	2020	1	104	
28-2-24	SL-026	കേരളം - നമ്മുടെ ഭൂമി	Dr. S. S. S. S.	2020	6	64	
28-2-24	SL-027	കേരളം - നമ്മുടെ ഭൂമി	Dr. S. S. S. S.	2020	1	120	
28-2-24	SL-028	കേരളം - നമ്മുടെ ഭൂമി	Paragon Publishing	2012	1	144	
28-2-24	SL-029	കേരളം - നമ്മുടെ ഭൂമി	Dr. S. S. S. S.	2015	1	48	
28-2-24	SL-030	കേരളം - നമ്മുടെ ഭൂമി	Dr. S. S. S. S.	2016	1	32	

Date	Accession No	Title	Author	Year	Edition	Pages	Remarks
28-2-24	SL-031	കേരളം - നമ്മുടെ ഭൂമി	Dr. S. S. S. S.	2018	1	30	
28-2-24	SL-032	കേരളം - നമ്മുടെ ഭൂമി	Dr. S. S. S. S.	2000	1	63	

Received books EMEA College Manjeri, V.K. (H.M.)  
A.M.U.P.S KUMMINIPARAMBA

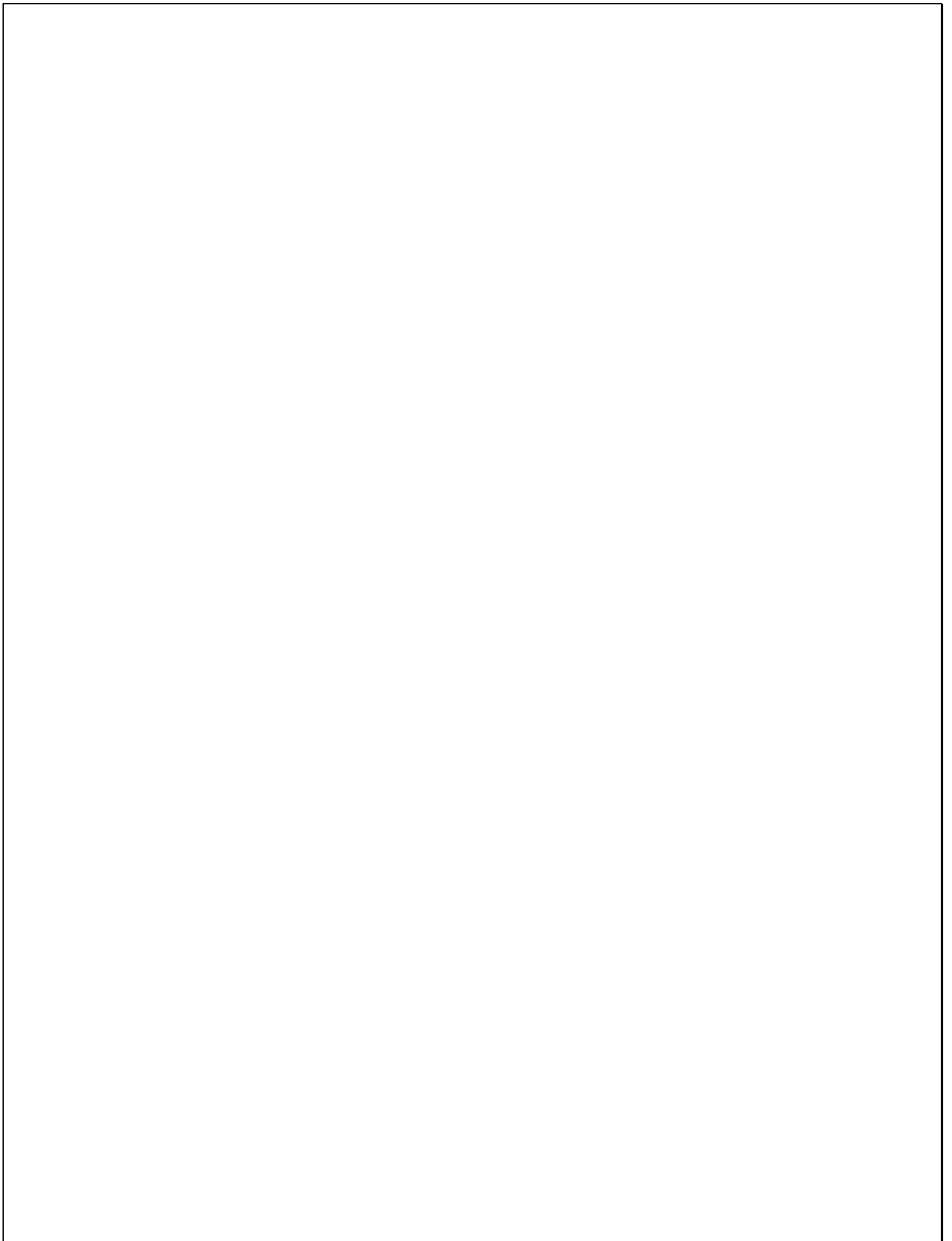
MANOJAN VALIAKANDIYIL  
PEN-597779  
HEADMASTER  
A.M.U.P.S KUMMINIPARAMBA

The list of students participated in donation are listed below:

1	FAHMIDHA KT
2	FATHIMA FIDA PC
3	FATHIMA FAIDA MP
4	FATHIMA SHAMNA K
5	HISANA THASNIM P
6	JASNA MP
7	JUMANA THASNI KT
8	MEHATHAB KUMMALI
9	AHAMAD SHAMIL
10	FABIN ASHIQ C
11	FAJR KK
12	LAMIH UL AMEEN KM
13	MUHAMMED HAMRAZ VT
14	MUHAMMED MINHAI P
15	AYSHA FAHMA
16	FATHIMA FIDA M
17	FATHIMA NIYA MN
18	LENA FATHIMA VK
19	NIDA AFNA P
20	NIHLA MT
21	SAFA M
22	MUHAMMAD YASEEN

23	MUHAMMED AFSAL N
24	THOUFEEQUE TN
25	ARYA KK
26	DILSHIDA
27	FARSANA SERY M
28	FATHIMA AFRAH MK
29	FATHIMA FARSANA KP
30	FATHIMA NIHLA P
31	NAJIYA NP
32	NASLA CP
33	SANA SHAOUKATH ALI
34	SHADAHA C
36	ANSHID RAHMAN TT
37	MOHAMMED ASAD K
38	SHIBIN NISHAD P
39	USMANUL HAFFAN M







AGRICULTURE DEPARTMENT



EMEA COLLEGE OF ARTS AND  
SCIENCE



MANCHESTER ARTS AND SPORTS CLUB

# **Paddy Guardian:** *A Student Led Comprehensive Study on Pest Attacks in Neighbouring Villages* **REPORT**



**AN EXTENSION PROGRAMME**  
**2023- 2024**

Organized  
by



**DEPARTMENT OF BIOTECHNOLOGY**  
**EMEA COLLEGE OF ARTS AND SCIENCE**

(Reaccredited with 'A' grade by NAAC)

Kondotti, Malappuram (Dt) Kerala, Pin-673638

**CO-ORGANIZERS**

**DEPARTMENT OF AGRICULTURE, KERALA**

**&**

**MANCHESTER ARTS AND SPORTS CLUB**  
**KUMMINIPARAMBA**

## INTRODUCTION

In the pursuit of sustainable agriculture and the protection of vital food crops, the Department of Biotechnology at EMEA College, Kondotty, has embarked on a pioneering initiative named "Paddy Guardian." This collaborative program, conducted in partnership with the Department of Agriculture, Government of Kerala, and the Manchester Arts and Sports Club, Kumminiparamba, stands as a testament to the power of interdisciplinary cooperation and community engagement.

The agricultural landscape of our region is indispensable to our socio-economic fabric, with paddy cultivation being a cornerstone of our agrarian heritage. However, the specter of pest attacks looms large, posing a significant threat to the livelihoods of farmers and the overall food security of our communities. In response to this pressing concern, Paddy Guardian was conceived as a comprehensive study designed to understand, address, and mitigate the impact of pest attacks on paddy fields in the neighbouring villages.

The driving force behind Paddy Guardian is the commitment of the students at the Department of Biotechnology, EMEA College, who have taken the lead in designing and executing the study. Under the guidance of experienced faculty members and in collaboration with the Department of Agriculture, Government of Kerala, the students have embarked on a journey to explore innovative and sustainable solutions to counteract pest infestations.

The collaboration with the Manchester Arts and Sports Club, Kumminiparamba, adds a unique dimension to Paddy Guardian by fostering community involvement and creating awareness about the importance of protecting our agricultural heritage. Through a series of outreach programs, workshops, and artistic initiatives, the club aims to bridge the gap between scientific research and community understanding, fostering a shared responsibility for safeguarding our agricultural ecosystems.

This report serves as a comprehensive documentation of the methodologies, findings, and recommendations arising from the Paddy Guardian initiative. As we delve into the intricate web of ecological interactions, pest management strategies, and community dynamics, we hope to provide valuable insights that can inform future agricultural practices, policies, and community-driven interventions.

Paddy Guardian is not merely a scientific endeavor; it is a collaborative effort to empower communities, preserve our agricultural heritage, and pave the way for a more resilient and sustainable future. Through this report, we invite readers to join us in our commitment to protecting the heart of our rural landscape – the paddy fields that sustain us all.



AGRICULTURE DEPARTMENT



EMEA COLLEGE OF ARTS AND SCIENCE



MANCHESTER ARTS AND SPORTS CLUB

# PADDY GUARDIAN

**A Student Led  
Comprehensive Study  
on Pest Attacks in  
Neighbouring Villages**

**Dec.  
2023  
07**

An Extension Programme of

**DEPARTMENT OF BIOTECHNOLOGY**  
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI

Re-accredited with 'A' Grade by NAAC

In Collaboration With

**DEPARTMENT OF AGRICULTURE, KERALA &  
MANCHESTER ARTS AND SPORTS CLUB  
KUMMINIPARAMBA**

COORDINATORS

**Dr. Mashoor K**

Head, Dept. of Biotechnology  
EMEA College of Arts and Science

**Ms. Nasha K**

Secretary  
Biotechnology Students Association

**Mr. Mansoor**

President  
Manchester Arts & Sports Club

Flyer of the programme

## ACTIVITIES

The Department of Biotechnology at EMEA College organized a comprehensive study under the program "Paddy Guardian" to investigate and collect information on paddy pest attacks, focusing primarily on stem borer and rice leaf folder in Pallikkal village. The objective was to understand the severity of pest infestations, their impact on paddy crops, and to propose effective mitigation strategies.

The student visit took place on 07.12.2023 in various paddy fields of Pallikkal and Peruvallur villages, where the team engaged with local farmers and collaborated with the Agriculture Officer for valuable insights.

### 1. Collaboration with Agriculture Officer:

A key highlight of the program was the interaction with the Agriculture Officer of Pallikkal village. The officer provided valuable information on the historical trends of pest attacks, government interventions, and the efficacy of existing control measures. This collaboration strengthened the research by incorporating professional expertise.



In front of Agriculture office, Pallikkal Panchayath



Agriculture officer interacting with students



Distributing Vegetables seeds to students by the agriculture office staff as a token of love for visiting the office

## 2. Farm Visits:

Students conducted extensive field visits to various paddy fields in Pallikkal and Peruvallur village to observe, document, and analyze the extent of pest attacks. They collected samples of affected crops for further laboratory analysis.



In paddy field



Major source of water in Ward No. 20, Pallikkal Panchayath



Paddy fields in Peruvallur Village





Visit in Peruvallur Village fields



Pathikuzhi Check Dam one of the major sources of water of paddy fields in Pallikkal and Peruvallur Villages

### 3. Interaction with Farmers:

Engaging with local farmers played a crucial role in understanding their first-hand experiences and insights. Students conducted interviews to gather qualitative data on pest prevalence, crop damage, and farmers' existing pest control practices.



Students interacting with farmer



## FINDINGS

### 1. Prevalence of Stem Borer and Rice Leaf Folder:

The study identified a significant prevalence of stem borer and rice leaf folder in the paddy fields of Pallikkal village. The pests were observed across multiple stages of crop growth, indicating a potential threat to the overall yield.



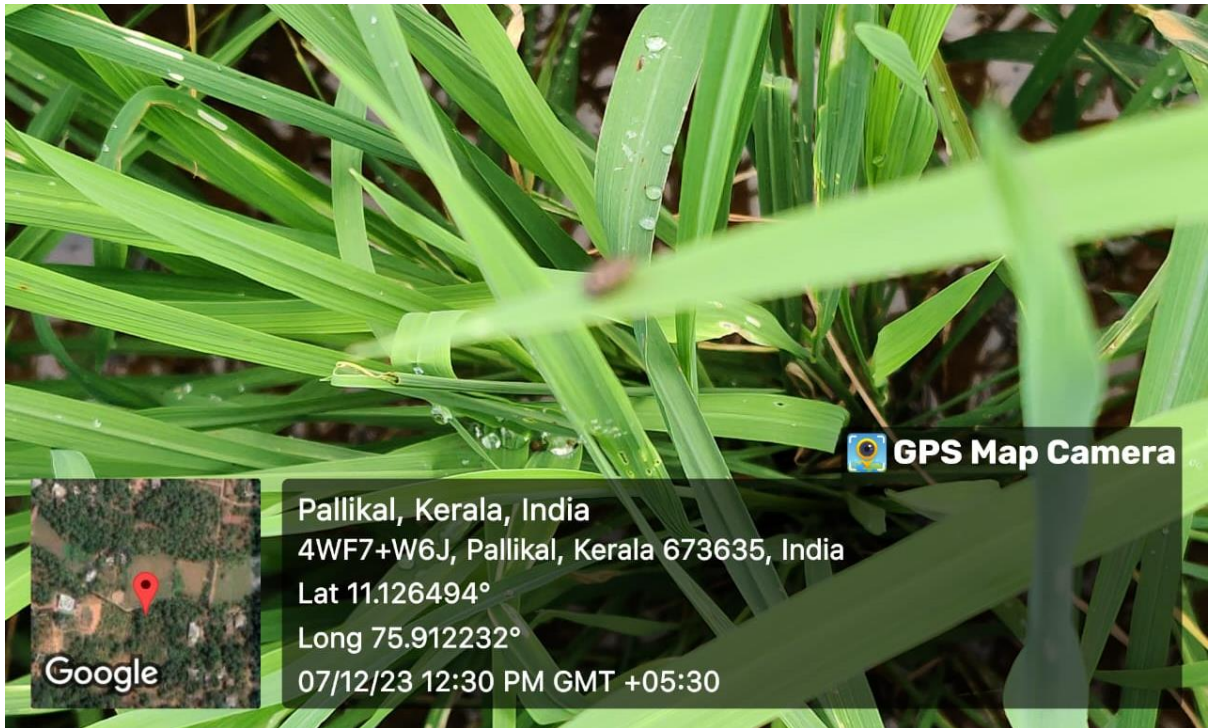
Rice-stem borer insect on paddy



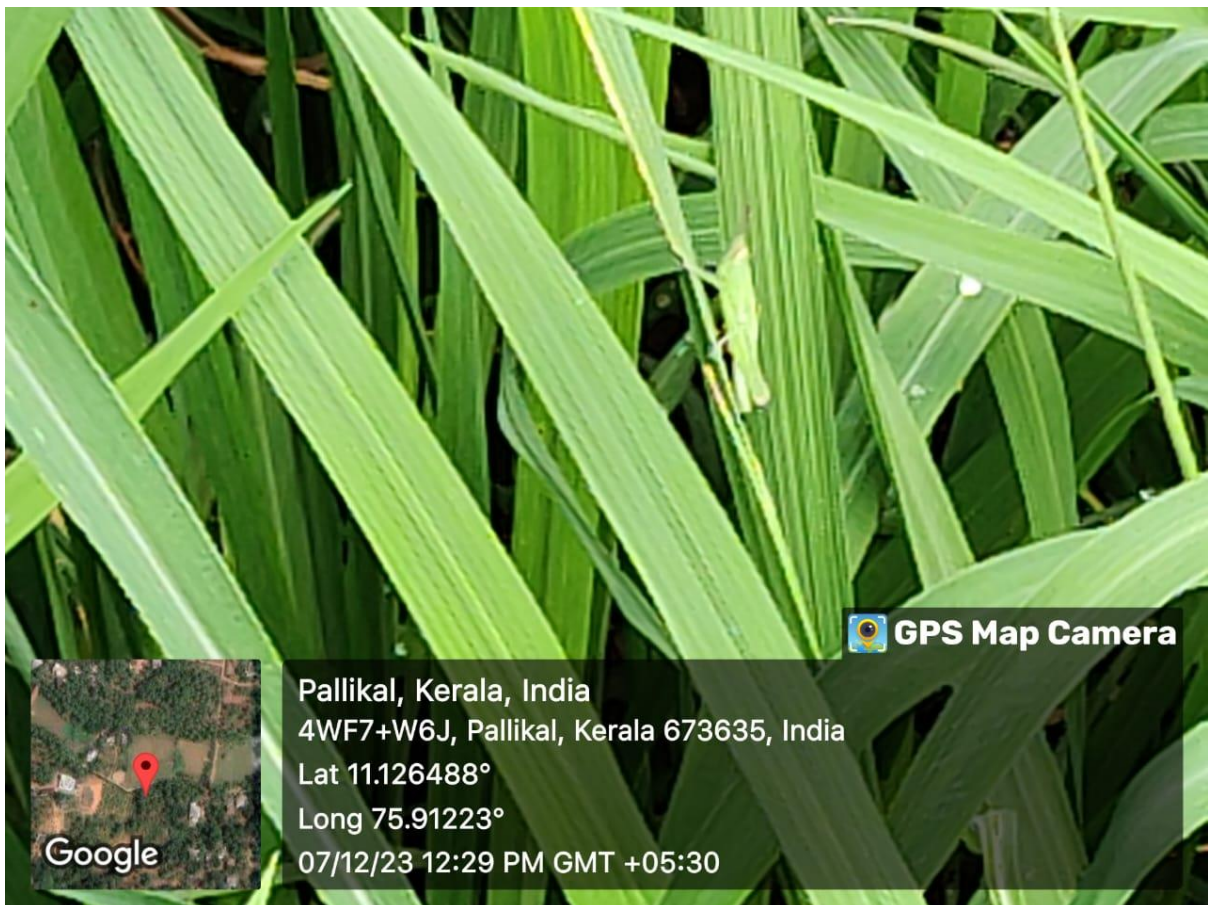
Stem-borer infested Paddy (yellow leaf)



Leaf folder infested paddy (stunted growth)



*Leptispa pygmaea*, Rice blue beetle



Leaf hoper



### Spreading Weeds in paddy field

#### **2. Impact on Crop Yield:**

Farmers reported a noticeable impact on crop yield attributed to pest attacks. The damage ranged from reduced grain quality to complete crop loss in some instances, posing a considerable economic challenge for the local farming community.

#### **3. Existing Control Measures:**

Insights from farmers and the Agriculture Officer highlighted the use of chemical pesticides as the primary control measure. However, concerns were raised regarding the environmental impact and long-term sustainability of this approach. In some paddy field agriculture Department used Trichogramma (Trichocard) as bio control agent against stemborer and leaf folder.



Using Drones to spray pesticides in paddy field (Photo collected from agriculture office)



Trichogramma (Trichocard) as bio control agent against stemborer and leaf folder.

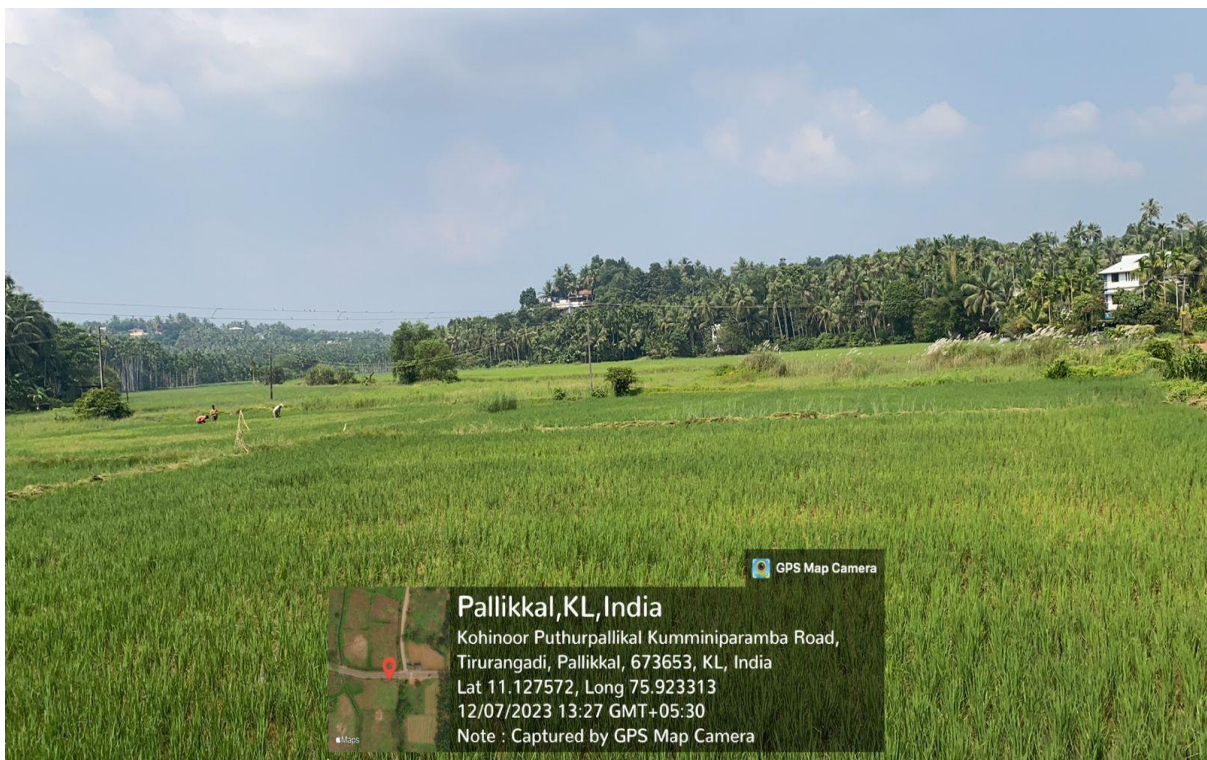
## RECOMMENDATIONS

### 1. Integrated Pest Management (IPM):

The study recommends the implementation of Integrated Pest Management practices, incorporating biological control methods, resistant crop varieties, and cultural practices to minimize reliance on chemical pesticides.

### 2. Awareness Programs:

To enhance farmers' knowledge on pest management, the program suggests organizing awareness campaigns and workshops. These initiatives can empower farmers with sustainable practices and reduce the indiscriminate use of chemical inputs.





## CONCLUSION




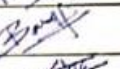
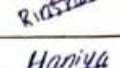

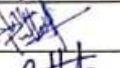

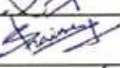


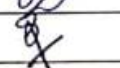
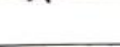



The Paddy Guardian initiative by the Department of Biotechnology at EMEA College provided valuable insights into the challenges posed by stem borer and rice leaf folder in Pallikkal village. The collaborative efforts of students, farmers, and the Agriculture Officer pave the way for informed strategies to address the pest-related issues and promote sustainable agriculture in the region.



Back to college

**LIST OF PARTICIPANTS**

S.No	Name	Class	Signature
1.	FATHIMA FAHMIDA.KT	II BSc BT	
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3.	HAFSA MUBEENA P K	II BSc BT	
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44.	Dr. Mashhoor K	HOD	
45.	Shilly Das A	Assistant Professor	
46.	Dr. Somy Soman	Assistant Professor	

# REPORT

OF

## WATER WATCH: ASSESSING HARDNESS AND IRON CONTENT IN NEIGHBOURLY WELLS

*An extension programme*



EMEA COLLEGE OF ARTS AND SCIENCE



MANCHESTER ARTS AND SPORTS CLUB

### Water Watch

Assessing Hardness  
and Iron Content in  
Neighbourly Wells  
2023-2024



An Extension Programme of

**DEPARTMENT OF BIOTECHNOLOGY**  
**EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI**

Re-accredited with 'A' Grade by NAAC

In Collaboration With

**MANCHESTER ARTS AND SPORTS CLUB**  
**KUMMINIPARAMBA**

COORDINATORS

**Dr. Mashhoor K**

Head, Dept. of Biotechnology,  
EMEA College of Arts and Science

**Mr. Mansoor**

President  
Manchester Arts & Sports Club

## **WATER WATCH: ASSESSING HARDNESS AND IRON CONTENT IN NEIGHBOURLY WELLS (2023-2024)**

An Extension Programme of the Department of Biotechnology, EMEA College of Arts and Science (Reaccredited with 'A' grade by NAAC), Kondotti, Malappuram (Dt) Kerala, Pin-673638

In Collaboration With Manchester Arts and Sports Club, Kumminiparamba

### **Co-ordinators:**

- Dr. Mashhoor K, Head, Dept. of Biotechnology, EMEA College of Arts and Science
- Mr. Mansoor, President, Manchester Arts & Sports Club

EMEAS COLLEGE OF ARTS AND SCIENCE

MANCHESTER ARTS AND SPORTS CLUB

# Water Watch

## Assessing Hardness and Iron Content in Neighbourly Wells 2023-2024

An Extension Programme of  
**DEPARTMENT OF BIOTECHNOLOGY**  
**EMEAS COLLEGE OF ARTS AND SCIENCE, KONDOTTI**  
Re-accredited with 'A' Grade by NAAC  
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**KUMMINIPARAMBA**

COORDINATORS

**Dr. Mashhoor K**  
Head, Dept. of Biotechnology,  
EMEAS College of Arts and Science

**Mr. Mansoor**  
President  
Manchester Arts & Sports Club

Flyer

## **Preamble**

The "Water Watch: Assessing Hardness and Iron Content in Neighbourly Wells" programme was initiated as a collaborative effort to address the crucial issue of water quality in local communities. With the increasing concerns regarding the safety and potability of well water, this programme was designed to provide a scientific assessment of the hardness and iron content of water from wells in Kondotti and Kumminiparamba. This report details the findings and recommendations based on the water samples collected and tested by students of EMEA College of Arts and Science.

## **Aim**

The primary aim of the "Water Watch" programme is to evaluate the hardness and iron content in the well water of neighbouring homes and to raise awareness about water quality issues among the community members.

## **Objectives**

1. **Assess Water Quality:** To measure the hardness and iron content in well water samples collected from neighbouring homes.
2. **Raise Awareness:** To educate the local population about the importance of water quality and its impact on health and the environment.
3. **Data Collection and Analysis:** To systematically collect data to understand the extent of water quality issues in the area.
4. **Provide Recommendations:** To offer practical solutions and recommendations based on the findings to improve water quality.

## **Methodology**

### **Sample Collection:**

- **Date:** 07.03.2024

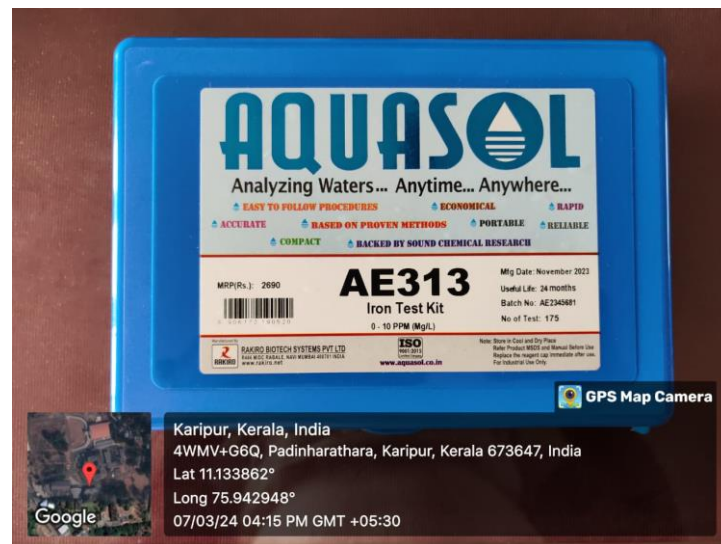
- **Procedure:** Students collected water samples from various wells in neighbouring homes, ensuring a diverse and representative sample of the community's water sources.



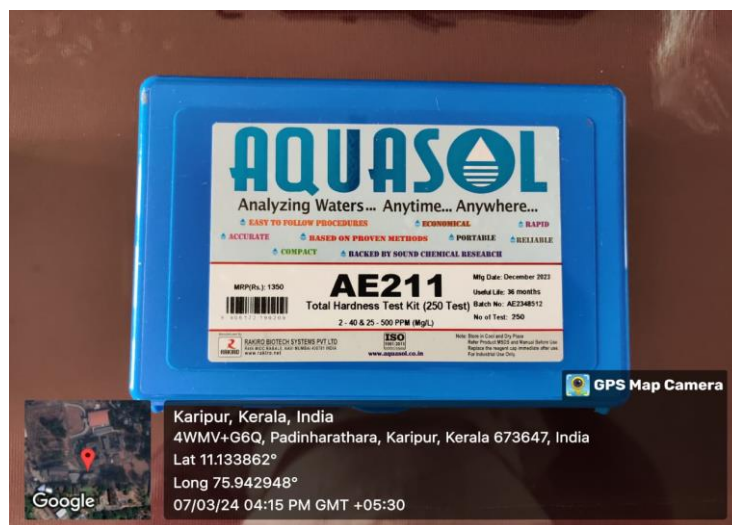
Sample collection

## Analysis:

- **Laboratory Testing:** The collected samples were analyzed in the laboratory of the Department of Biotechnology. Tests for water hardness and iron content were conducted using standardized procedures to ensure accuracy and reliability.
- **Parameters:** Water hardness was measured by titration methods to determine the concentration of calcium and magnesium ions. Iron content was measured using spectrophotometric methods.



Iron test kit used for the analysis



Total hardness test kit used for the analysis



## Findings

### Water Hardness:

- The hardness levels varied significantly among the samples. Several samples exhibited high hardness levels, which could lead to scaling in pipes and appliances and pose potential health risks.

### Iron Content:

- Iron content also varied considerably. Elevated iron levels were detected in some wells, which could cause undesirable taste, staining of laundry and fixtures, and potential health hazards.



Students analysing the sample

## **Recommendations**

1. **Regular Monitoring:** Establish a routine monitoring programme for continuous assessment of well water quality to detect changes and address issues promptly.
2. **Water Treatment Solutions:** Implement cost-effective water treatment options such as ion exchange or reverse osmosis systems to reduce hardness and iron content.
3. **Public Awareness Campaigns:** Continue educational efforts to inform the community about the importance of water quality and practical steps they can take to improve it.
4. **Policy Advocacy:** Collaborate with local authorities to develop and enforce regulations that support water quality improvement initiatives, providing necessary resources and support to affected households.

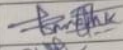



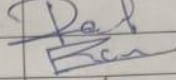
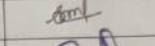

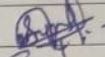
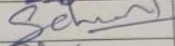



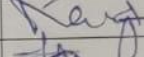
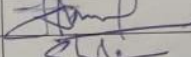

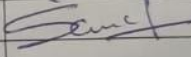
## **Conclusion**

The "Water Watch" programme has successfully brought to light the significant variations in water hardness and iron content in the wells of Kondotti and Kumminiparamba. Through the collaborative efforts of EMEA College of Arts and Science and the Manchester Arts and Sports Club, the programme has provided valuable insights and actionable recommendations for ensuring safe and clean water. Continued monitoring, education, and implementation of treatment solutions are essential to safeguard public health and maintain water quality.

The coordinators express their gratitude to the community members for their cooperation and participation, and to all volunteers and staff who contributed to the successful execution of this programme.

**LIST OF PARTICIPANTS**

S.No	Name	Class	Signature
1.	AIMAN MC	II BSc BT	
2.	AMINA NOUMA	II BSc BT	
3.	AYSHA FERIN	II BSc BT	
4.	FAHEEMA FEMIN V	II BSc BT	
5.	FATHIMA BARIRA	II BSc BT	
6.	FATHIMA FAHMIDA.KT	II BSc BT	
7.	FATHIMA RAFA. K	II BSc BT	
8.	FATHIMA RINSHA VP	II BSc BT	
9.	FATHIMATHU NIDHA K	II BSc BT	
10.	FATHIMATHUL RINHA K	II BSc BT	
11.	GAYATHRI M	II BSc BT	
12.	HAFNA NISA M P	II BSc BT	
13.	HAFSA MUBEENA P K	II BSc BT	
14.	HANIYA CHEMBAN	II BSc BT	
15.	HIBA SHARIN	II BSc BT	
16.	HUDHA MARIYAM M	II BSc BT	
17.	JANFISHAN	II BSc BT	
18.	JESNA A P	II BSc BT	
19.	JUBAIRIYYA AP	II BSc BT	
20.	KADHEEJA AMAL	II BSc BT	
21.	MALAVIKA PT	II BSc BT	
22.	MOHAMED DHANISH N	II BSc BT	
23.	MOHAMED SHANID C	II BSc BT	
24.	MOHAMMED FASIL.A	II BSc BT	
25.	MOHAMMED NAJI M	II BSc BT	
26.	MOHAMMED UWAIS. C. K	II BSc BT	
27.	MUHAMAD AMAN AMEER KHAN	II BSc BT	
28.	MUHAMMED MISHAL N K	II BSc BT	
29.	MUSHHIDA KT	II BSc BT	
30.	NAFLAH P	II BSc BT	

31.	NASHA K	II BSc BT	
32.	NIDHA SHERY. K	II BSc BT	
33.	NITHA PULLAT	II BSc BT	
34.	PARVATHI AJITH	II BSc BT	
35.	RADWA	II BSc BT	
36.	RANIA SHAMSUDHEEN	II BSc BT	
37.	SEBA M	II BSc BT	
38.	SENIYA	II BSc BT	
39.	SHAHEEN	II BSc BT	
40.	SHAIMA C	II BSc BT	
41.	SHANA SHERIN	II BSc BT	
42.	SHIBILI K	II BSc BT	
43.	WAFI NASEEM	II BSc BT	
44.	Dr. Mashhoor K	HOD	
45.	Shilly Das A	Assistant Professor	
46.	Dr. Somy Soman	Assistant Professor	

  
**Dr. Mashhoor K.**  
 Assistant Professor and Head  
 Dept. of Biotechnology  
 EMEA College of Arts and Science  
 Kondotty, Kerala, 673638

# **Empowering Women Through Financial Literacy**

## **Report of Extension Activity**



***Organized By***

**PG Department of Commerce**

**EMEA College of Arts and Science, Kondotty**

**2023-24**

**Objectives:**

- To increase awareness about the importance of financial literacy among women.
- To provide basic knowledge and skills in financial management.
- To empower women to make informed financial decisions.

**Target Audience:**

- Women of all ages, particularly focusing on women entrepreneurs, homemakers, and Kudubasree Members .

**Duration:**

- Two workshop or a series of sessions over a few weeks.
- 4 Months

**Activities 1:****a. Discussion Session among Students**

- Welcome and Introduction: Brief overview of the workshop objectives and agenda.
- Discussion about Extension Activity: Engage participants with activity to introduce themselves and share importance of Financial Literacy and financial goals.

**Understanding Financial Literacy:**

- Presentation: Define financial literacy and explain its importance in everyday life.
- Discussion: Open floor for participants to share their current understanding and experiences with financial management.

## Activities 2: Empowering Women Through Financial Literacy

### Discussion Points Includes:

- b. **Budgeting Basics:**
  - Interactive Workshop: Teach participants how to create a personal or household budget.
  - Hands-On Activity: Provide templates and guide participants in drafting their own budgets.
- c. **Saving and Investing:**
  - Explain the concepts of saving, different types of savings accounts, and the basics of investing.
  - Group Activity: Case studies and scenarios for participants to discuss and determine the best saving and investment strategies.
- d. **Debt Management:**
  - Discuss different types of debt, interest rates, and strategies for managing and paying off debt.
  - Q&A Session: Allow participants to ask questions about their own debt situations and receive personalized advice.
- e. **Accessing Financial Services:**
  - Introduce various financial services and institutions, such as banks, credit unions, microfinance, and digital payment platforms.
  - Demonstration: Show how to use online banking and financial apps for managing finances.
- f. **Guest Speaker:**
  - Invite a successful woman entrepreneur or financial expert to share their journey and provide practical advice and inspiration.
- g. **Resource Distribution:**
  - Provide educational materials, booklets, and links to online resources for further learning.

### **Feedback and Evaluation:** (14/07/2024)

- Conduct a feedback session to gather participants' thoughts on the workshop.
- Distribute evaluation forms to assess the effectiveness of the program and identify areas for improvement.

### **Programme chart**

Welcome Speech : Vaseem (Student Coordinator)

Presidential Address : Sameera ( Kudubasree coordinator)

Inauguration : Naseera ( Ward Member)

Key note speech : Munavar Jasim ( Extension staff coordinator)

Vote of thanks : Unais ( 5<sup>th</sup> B.com Cooperation)

## **Programme Report**

The extension activity titled "**Empowering Women Through Financial Literacy**" was organized with the aim of enhancing financial knowledge among women, particularly focusing on kudumbasree . The event took place in collaboration with local community leaders, women entrepreneurs, and faculty from the college.

Vaseem delivered the welcome address, highlighting the significance of the event and the need for financial literacy in empowering women entrepreneurs. He briefly introduced the dignitaries and provided an overview of the program schedule.

Sameera (Kudumbasree Coordinator)

Sameera emphasized the importance of financial independence for women and how organizations like Kudumbasree play a crucial role in empowering women at the grassroots level. She encouraged the attendees to actively participate in such programs to enhance their financial management skills.

Naseera officially inaugurated the event. In her speech, she focused on how financial literacy can be a tool for women to gain confidence in entrepreneurship and manage small businesses effectively. **Speaker:** Munavar Jasim (Extension Staff Coordinator) Munavar Jasim, in his keynote address, shed light on the importance of financial planning, budgeting, and the role of financial literacy in achieving long-term financial goals. He provided practical examples of how women entrepreneurs can benefit from understanding basic financial concepts like loans, savings, and investment. Unais delivered the vote of thanks, expressing gratitude to all the speakers, participants, and organizers.

## **Outcomes:**

- The participants gained a better understanding of financial management practices.
- The women entrepreneurs were equipped with knowledge on budgeting, loans, and investment.
- The event fostered confidence among women to take charge of their finances and seek support when needed.
- Collaborative efforts between local authorities and the college created a platform for continuous engagement in financial education.



**Activities 1:**



**PG DEPARTMENT OF COMMERE**  
EMEA College of Arts and Science, Kondotty

Discussion on  
Extension Activity

# Financial Literacy

January 13 Thursday  
2024 1:30 PM

 Mahagony Park







**PG DEPARTMENT OF COMMERE**  
EMEA College of Arts and Science, Kondotty

# EMPOWERING WOMEN *Through* FINANCIAL LITERACY

2024 July **14** Sunday 4pm

 Anganavadi, Kumminiparambu

## Activities 2: Empowering Women Through Financial Literacy





## List of Participants

<u>Name.</u>	<u>category</u>	<u>Sign</u>
1 Shari. m.	SC	
2 Babginya-	SC	
3. Ajitha -	OBC	
4. Kalliani	S.C.	
5. Sulochana.	S.C.	
6. vijayamma	S.C.	
7 Lakshmi	SC	
8 Sateki. C. P	SC	
9. Sakkeena	OBC.	
10. Semeenav	OBC	
11 Noosheeda	OBC	
12. Sameera. I.P	OBC	
13 Sindhu. NP	SC	
14 Fazeela-	OBC	
15 Fousiya	OBC	
16 SAIFXFT	OBC	
17 Nusaba. P.K	OBC	
18. Hyrunneesa	OBC	
19. medina.	OBC	
20. Babijn. C	OBC	
21. Muhsina	OBC	
22- Fakhima	OBC	
23- Shareeta	OBC	

24.	Pushpak.p	Sc	P.
25	Rasiya r	OBC	<del>Pun</del>
26	207 007 B	OBC	<del>Pun</del>
27	Kousiya.	OBC	<del>Pun</del>
<del>28</del> 28	W.P.	OBC	<del>Pun</del>
29	Nusaiya .P.K	OBC	<del>Pun</del>
30	Ayishabi PK	OBC	<del>Pun</del>
31.	Ayishu.	OBC	<del>Pun</del>
32	Sabna	OBC	<del>Pun</del>
33	Thayamani	OBC	<del>Pun</del>
34	Ramla Beega	OBC	<del>Pun</del>
35	Sadeja . K	S.C	<del>Pun</del>



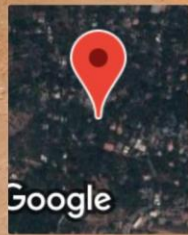
# **Report on extension activity: LED bulb distribution to economically backward homes around EMEA College of Arts and Science, Kondotty.**

**Date: 23/06/2023**

**Venue: Kumminiparamba village, Karipur, Kerala**

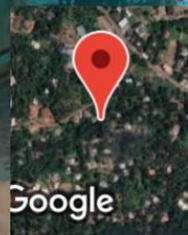
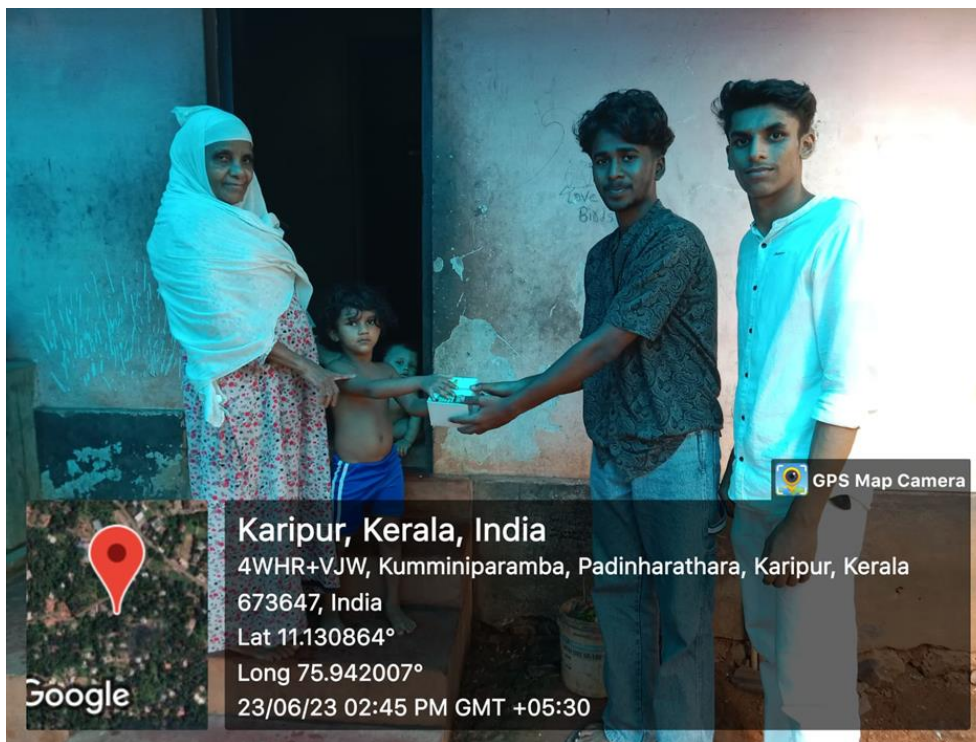
Department of Mathematics and Physics, EMEA college of arts and Science, Kondotty undertook an extension activity of LED bulb distribution to economically backward homes around the college. The LED bulbs were manufactured by students of the department and the program was aimed to provide energy-efficient lighting solutions to economically backward homes in our community. This extension activity was organized as part of ongoing efforts to promote energy conservation and enhance the quality of life for marginalized communities. Students verified the eligibility of households based on predetermined criteria, which included income levels and housing conditions. LED bulbs were distributed free of cost to eligible households, and the event was executed successfully with the participation of students. Recipients were provided with information about the benefits of LED lighting, energy conservation, and how to install and use the bulbs efficiently. The event encouraged students to participate in a collective effort to improve living conditions, fostering a sense of unity and collaboration.





Karipur, Kerala, India  
100, Calicut Airpot Rd, Karipur, Kerala 673638, India  
Lat 11.144752°  
Long 75.941327°  
23/06/23 02:35 PM GMT +05:30

GPS Map Camera



Karipur, Kerala, India  
4WHR+VJW, Kumminiparamba, Padinharathara, Karipur, Kerala  
673647, India  
Lat 11.130864°  
Long 75.942007°  
23/06/23 02:45 PM GMT +05:30

GPS Map Camera



## **EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI**

Aided by Govt. of Kerala, Affiliated to University of Calicut  
Reaccredited with A Grade by NAAC

# **REPORT ON EXTENTION PROGRAMME**

**Double Main department of Mathematics and Physics**

**Date:19/02/2024**

**DEPARTMENT OF MATHEMATICS AND PHYSICS**  
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTY



Re-accredited with 'A' Grade by NAAC



**EXTENSION PROGRAMME**

**UNLOCKING THE  
MYSTERIES OF SHAPES:**

**DIVE INTO AREA  
AND PERIMETER!**

Enlightening the nearby school students

2024 Feb. **19**  **AMUPS KUMMINIPARAMBA**

Coordinator: Suneena PD - 9961 443 040

## **Extension Programme Report: Unlocking the Mysteries of Shapes**

Double main Mathematics and Physics students of EMEA College have conducted an extension programme at AMUP School, Kumminiparamb on 19/2/24 on the Title, "Unlocking the Mysteries of Shapes: Dive into Area and Perimeter" for VIIth standard students. The sessions conducted by Second year double main mathematics and physics students.

**Overview:** The extension programme aimed to enlighten nearby school students on the fundamental concepts of area and perimeter through interactive sessions and practical demonstrations.

### **Activities:**

#### **1. Naseeha's Session:**

- Naseeha delivered a class on the basic concepts of area and perimeter of 2D shapes, utilizing charts for visual representation. This session aimed to provide a foundational understanding of geometric principles.

#### **2. Shamnu's Session:**

- Shamnu conducted a session on the Pythagorean theorem using a static model. Through this demonstration, students were introduced to the relationship between the sides of a right-angled triangle.

#### **3. Minha's Session:**

- Minha presented Bhaskara's proof of the Pythagorean theorem using a working model. This hands-on approach allowed students to explore the theorem's application in real-life scenarios.

#### **4. Group Activity:**

- Manal, Shibili, Mubashir, Rayan, Musfira, and Selva organized a group activity to reinforce learning outcomes and foster collaboration among participants. This activity encouraged students to apply their knowledge of area, perimeter, and the Pythagorean theorem in practical exercises.

### **Felicitation:**

- Suneena P. D., Assistant Professor in mathematics
- Nashath A., Assistant Professor in mathematics
- Jisha Teacher, teacher, amup school, kumminiparamb

**Vote of Thanks:** Conducted by Rayan

**Attendance:** 30 school students actively participated in the programme.

### **Objectives of the Programs:**

1. **Education Outreach:** To extend knowledge and expertise from college students to the community, fostering a culture of lifelong learning.
2. **Promoting STEM Education:** To inspire interest and curiosity in Science, Technology, Engineering, and Mathematics (STEM) subjects among school students.
3. **Hands-On Learning:** To provide interactive experiences that enhance understanding and retention of complex concepts, making learning enjoyable and memorable.
4. **Community Engagement:** To strengthen ties between educational institutions and the local community, promoting mutual collaboration and support in educational endeavors.
5. **Skill Development:** To cultivate leadership, communication, and organizational skills among college students through their involvement in planning and executing such extension programmes.

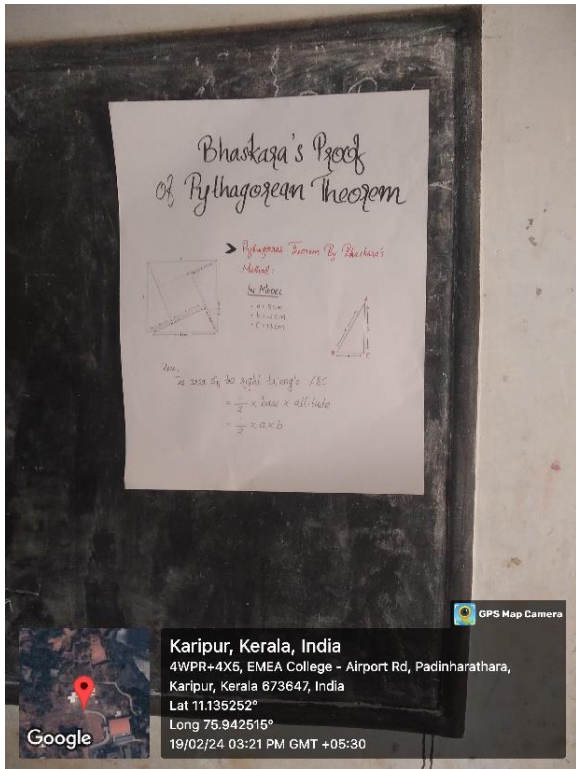
### **Outcome of the Programme:**

1. **Enhanced Understanding:** Participants gained a deeper understanding of geometric concepts such as area, perimeter, and the Pythagorean theorem through interactive sessions and hands-on activities.
2. **Increased Engagement:** The use of visual aids, practical demonstrations, and group activities kept students engaged and motivated throughout the programme.
3. **Skill Development:** Students developed problem-solving, critical thinking, and teamwork skills through collaborative learning experiences.
4. **Positive Feedback:** Feedback from both students and faculty indicated a positive impact on learning and interest in STEM subjects.









## Extension Programme.

Unlocking The mysteries of shapes.

19/2/24 AMUPS, Kominipasaraha

ST no:	Name of student	class	signature
1	Naskeha	2 <sup>nd</sup> DM	
2	Misha	2 <sup>nd</sup> DM	
3	Shamru	4 <sup>th</sup> DM	
4	Shibili	4 <sup>th</sup> DM	
5	Mubashir	2 <sup>nd</sup> DM	
6	Maral	4 <sup>th</sup> DM	
7	Rayyan shahir	4 <sup>th</sup> DM	
8	Selva MT	4 <sup>th</sup> DM	
9	Huda Safnah ET	4 <sup>th</sup> DM	
10	Ahnan KC	4 <sup>th</sup> DM	
11	Sameers sherni OP	4 <sup>th</sup> DM	
12	Fahma	4 <sup>th</sup> DM	
13	Jumana	4 <sup>th</sup> DM	
14	Mustirah	4 <sup>th</sup> DM	
15	Maanid Fidha	4 <sup>th</sup> DM	
16	Fathath sheeran	4 <sup>th</sup> DM	



# AMUPS KUMMINIPARAMBA

KUMMINIPARAMBA KONDOTTY SUB DIST, PIN: 673638

DATE 19-02-2024

**SUB: Recognition letter for extension programme**

Dear sir,

This is to express our sincere thanks and gratitude for conducting an extension programme for our students titled 'Unlocking the mysteries of shapes'. The programme is very much contributed to give an insight to the students in the field of area and perimeter of different shapes.

We are looking forward to hosting more programmes in future also

Thanking you

Yours sincerely



  
MANOJAN VALIAKANDIYIL  
PEN:597779  
HEADMASTER  
A.M.U.P.S KUMMINIPARAMBA

# **Post Graduate and Research Department of Economics**

## **EMEA College of Arts and Science, Kondotti**

### **Extension Programme Report: Financial Literacy Campaign among Households of Pallikkal Panchayath**

**Date:** 11/03/2024

**Location:** Ward No. 7, Pallikkal Panchayath

**Objective:** The Extension Programme on Financial Literacy was organized by the Post Graduate and Research Department of Economics at EMEA College of Arts and Science, Kondotti, with the aim of promoting financial awareness and imparting essential skills related to budgeting among households in Pallikkal Panchayath, particularly in Ward No. 7.

#### **Activities Conducted:**

- **Distribution of Monthly Family Budget Model:** A detailed monthly family budget model was distributed to households, providing a practical framework for managing income, expenses, savings, and investments.
- **Interactive Sessions:** Interactive sessions were held to discuss real-life financial scenarios, common financial challenges faced by households, and practical solutions to improve financial well-being.
- **One-on-One Consultations:** Individual consultations were offered to address specific financial queries and provide personalized guidance based on participants' financial goals and circumstances.

#### **Impact and Outcomes:**

- **Increased Financial Awareness:** The programme contributed to raising awareness among participants regarding the importance of financial literacy and its impact on overall economic well-being.
- **Improved Budgeting Skills:** Participants gained practical knowledge and skills in budgeting, leading to better management of household finances and reduced financial stress.
- **Community Engagement:** The initiative fostered community engagement and collaboration, creating a platform for sharing experiences, learning from each other, and building a stronger financial ecosystem within the community.

#### **Challenges Faced:**

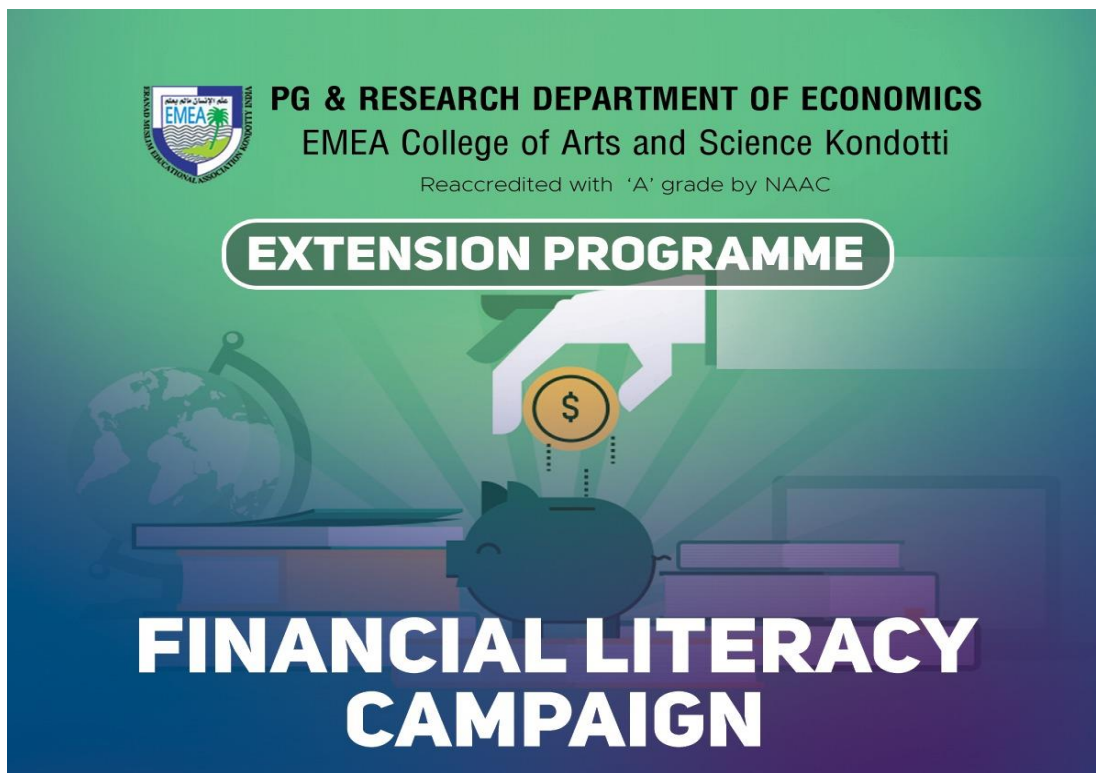
- **Limited Access to Financial Resources:** Some participants faced challenges due to limited access to financial services and resources, highlighting the need for continued support and advocacy for financial inclusion.
- **Complex Financial Concepts:** Certain financial concepts required additional explanation and simplification to ensure comprehensive understanding among participants, emphasizing the importance of tailored educational approaches.

### Recommendations:

- Continued Education: Organize follow-up sessions or advanced workshops to reinforce financial concepts and address evolving financial needs.
- Partnership Opportunities: Explore partnerships with local financial institutions, NGOs, or government agencies to enhance financial literacy initiatives and expand outreach.
- Digital Tools: Integrate digital tools and resources into future programmes to facilitate easier access to financial information and tools for budgeting and financial planning.

### Conclusion:

The Financial Literacy Campaign among households of Pallikkal Panchayath, specifically in Ward No. 7, has been a meaningful initiative aimed at empowering individuals with essential financial knowledge and skills. The programme's success lies in its collaborative efforts, practical approach, and commitment to promoting financial well-being at the grassroots level.



## AMONG HOUSEHOLDS OF PALLIKKAL GRAMAPANCHAYATH

2024 March. 11  Pallikkal Gramapanchayath  
Ward No. 7.

Teacher Coordinator: Dr. Ibrahim Cholakkal  
Student Coordinator: Abidrahman. KA. (Research Scholar)









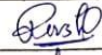



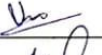
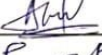

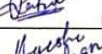
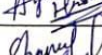

Post Graduate and Research Department of Economics

EMEA College of Arts and Science, Kondotti

Extension Programme

Financial Literacy Campaign among Households of Pallikkal Grama Panchayath

Attendance Sheet

Sl No	Name of the Students	Class	Signature
1	Fathima Risha. P	2 <sup>nd</sup> gr economics	
2	Hiba-C	2 <sup>nd</sup> gr economics	
3	Fathima Nihala - N	2 <sup>nd</sup> gr economics	
4	Sahila-vc	2 <sup>nd</sup> gr economics	
5	Fathima Rasha - PV	2 <sup>nd</sup> gr economics	
6	Sherin-Ansari	2 <sup>nd</sup> gr economics	
7	Muhammed Farooz. PP	2 <sup>nd</sup> gr economics	
8	Rabiya thasni	2 <sup>nd</sup> gr economics	
9	Ayisha Hasna E	3 <sup>rd</sup> gr economics	
10	Fathima Shana.	1 <sup>st</sup> gr economics	
11			
12			
13			
14			
15			

P.G DEPARTMENT OF MICROBIOLOGY  
EMEA COLLEGE OF ARTS AND SCIENCE,  
KONDOTTI

EXTENSION PROGRAMME (2023-2024)

"Mycelium Harmony: Mushroom Cultivation  
Excellence"

Training Program on

Mushroom Cultivation

In collaboration with

Krishi Vigyan Kendra, Malappuram and Kudumbasree unit, Kumminiparamba.

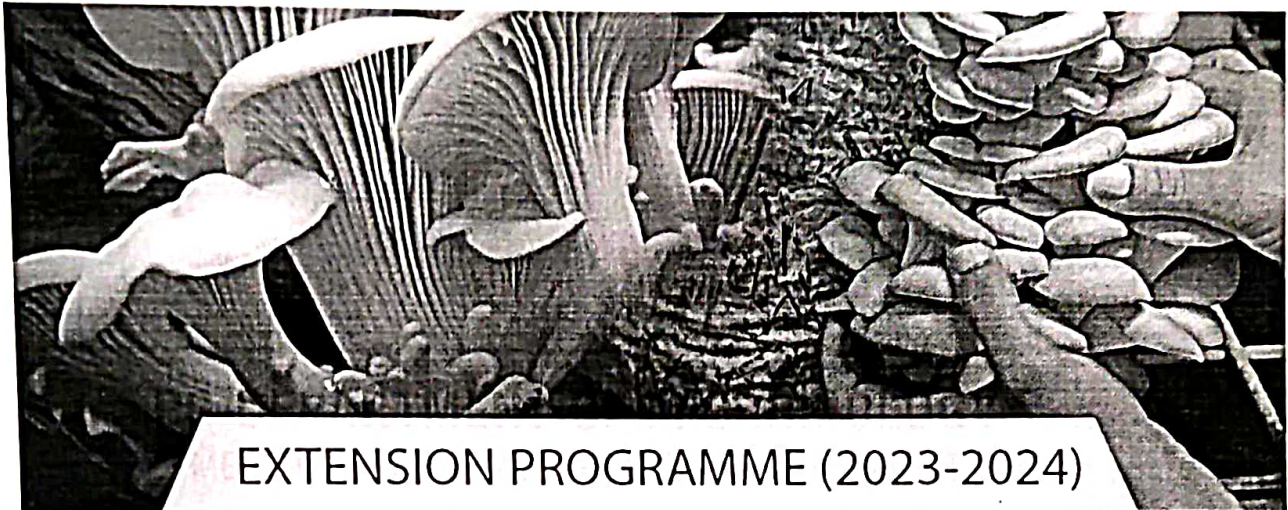


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*[Handwritten signature]*

DR. SHIHABUDDIN  
HOD, Dept. OF MICROBIOLOGY  
E.M.E.A. COLLEGE OF ARTS & SCIENCE  
KONDOTTY, MALAPPURAM, Pin: 673 638

**PG DEPARTMENT OF MICROBIOLOGY**  
EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTY  
(Re-accredited with 'A' Grade by NAAC)



EXTENSION PROGRAMME (2023-2024)

# **MYCELIUM HARMONY: MUSHROOM CULTIVATION EXCELLENCE**

**Training Program on  
Mushroom Cultivation**

2024 **18** THURSDAY  
JAN. 11.00 AM  
@ SEMINAR HALL

In collaboration with

**KRISHI VIGYAN KENDRA, MALAPPURAM**

**&**

**PRATHEEKSHA KUDUMBASREE UNIT, KUMMINIPARAMBA**

## INTRODUCTION


The PG Department of Microbiology at EMEA College of Arts and Sciences places a significant emphasis on the holistic development of students by actively engaging in a variety of extracurricular activities. These endeavors aim to instill a sense of civic responsibility and humanitarian values by connecting students with the local community. One notable initiative involves the department's consistent organization of microbial water analyses to verify the microbiological safety of drinking water in the community and its surroundings. Ensuring improved water sanitation and effective water resource management not only enhances economic growth but also plays a crucial role in poverty reduction. These fundamental requirements for human health are essential, and it is the responsibility of all nations to ensure universal access to them.

## PROGRAMME DESCRIPTION

During the academic year 2023–2024, the PG Department of Microbiology, in collaboration with the Krishi Vigyan Kendra, Malappuram and Kudumbasree unit, Kumminiparamba, organized an extension activity entitled “Mycelium Harmony: Mushroom Cultivation Excellence”, Mushroom Cultivation training program for kudumbasree members of Kumminiparamba on 18<sup>th</sup>, January, 2023.

## OBJECTIVES

1. Skill Development: The primary aim is to equip participants with the practical skills required for successful mushroom cultivation. This includes hands-on training in substrate preparation, inoculation techniques, environmental control, and harvesting.
2. Knowledge Transfer: Disseminate comprehensive knowledge about the biology of mushrooms, different cultivation methods, and the specific requirements of various mushroom species. Participants should gain a deep understanding of the entire cultivation process.

  
Dr. SIJIN THOMAS  
HOD, Dept. Of MICROBIOLOGY  
E.M.E.A. COLLEGE OF ARTS & SCIENCE  
KONDOTTY, MALAPPURAM, Pin: 673 638

3. Entrepreneurship Promotion: Encourage entrepreneurship by providing participants with the skills and knowledge needed to start and manage a mushroom cultivation business. This may involve guidance on business planning, market analysis, and product development.

4. Sustainable Practices: Emphasize environmentally friendly and sustainable cultivation practices. This may include the use of agricultural waste as substrates, recycling and reusing materials, and minimizing the environmental impact of cultivation.

5. Quality Control: Train participants in quality control measures to ensure the production of high-quality mushrooms. This includes monitoring and managing factors such as contamination, humidity, temperature, and light.

6. Community Development: Foster community development by promoting mushroom cultivation as a community-based activity. This may involve training groups of individuals in a community to collectively engage in mushroom cultivation for economic or nutritional benefits.

7. Poverty Alleviation: Connect mushroom cultivation training to poverty alleviation by empowering individuals with a marketable skill that can generate income.

The program commenced with an inaugural session at the college seminar hall at 11 AM. Mrs. Rasiya K.T, the Program Coordinator, delivered a welcoming speech. The presidential address was given by Dr. Shiji Thomas, and the session was inaugurated by Dr. Liliya Baby, Assistant Professor at Krishi Vigyan Kendra, Malappuram. Mrs. Naseema, representing Pratheeksha Kudumbasree ADS, felicitated the program.

The training program was divided into modules, each focusing on a specific aspect of mushroom cultivation. These modules included:

1. Mushroom Biology and Classification
2. Substrate Preparation Techniques
3. Inoculation Methods

4. Environmental Control and Management

5. Harvesting and Post-Harvest Handling

6. Quality Assurance and Quality Control

The training program employed a combination of theoretical sessions, practical demonstrations, and hands-on activities. Dr. Liliya Baby conducted a detailed theoretical session on nutritional values, essential quality control measures taken during mushroom cultivation, different types of mushrooms, and the importance of mushrooms in daily life. The students of both B.Sc. and M.Sc. Microbiology led the hands on training sessions, providing valuable insights and addressing participants queries.

### Outcomes:

- Skill Enhancement: Participants demonstrated improved skills in substrate preparation, and inoculation techniques.
- Knowledge Acquisition: Participants gained a comprehensive understanding of mushroom biology, cultivation methods, and quality control measures.
- Entrepreneurial Initiatives: Several participants expressed interest in starting their mushroom cultivation businesses, showcasing the program's success in promoting entrepreneurship.
- Sustainable Practices: Participants embraced sustainable practices, including the use of agricultural waste as substrates, contributing to environmental conservation efforts.
- Community Engagement: The training program facilitated community engagement, with participants considering collaborative mushroom cultivation initiatives for economic and social benefits.

### Inaugural session



### Technical session







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Long 75.942856°  
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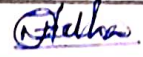

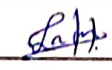
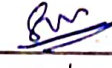
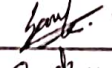

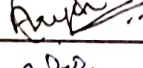
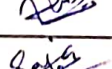
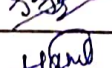
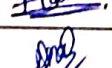
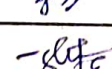
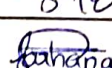
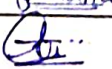
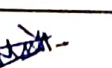
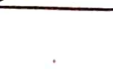
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4WNV+MSF, Padinharathara, Karipur, Kerala 673647, India  
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PG DEPARTMENT

**EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI**  
**EXTENSION PROGRAM (2023-2024)**  
**MYCELIUM HARMONY: MUSHROOM CULTIVATION**  
**EXCELLENCE**

**18-01-2024**

Venue : SEMINAR HALL

SL. NO	NAME	CLASS	Roll NO	SIGN	REMARKS
1	Nadha Fathima P	3 <sup>rd</sup> MB	48		
2	Afra.k	"	40		
3	Lamiya Parayal	"	32		
4	Shifana Sheerin Kc	"	25		
5	Sarila.k	"	50		
6	Sreeyuktha.k	"	51		
7	Anyasree.k	"	42		
8	FAHEEMA SRAMBICKAL	"	44		
9.	FATHIMA SAJA.N.K	"	28		
10.	Hasna Rinsila -K	"	9		
11	Ifna.k	"	12		
12.	Hasna Halam.k	"	31		
13.	Fahana Shirin .M	"	5		
14.	Fahmida.k	"	26		
15.	Mubeena.k.k	"	47		

81

SL. NO	NAME	CLASS	Roll NO	SIGN	REMARKS
16	Ashwag CH	3 <sup>rd</sup> M13	43		
17	Nisma Saleen	"	19		
18	Sadeeda msk	"	20		
19.	Rumana	"	37		
20.	Fathima Fida k	"	6		
21.	Ella Naseem	"	3		
22	Jilna moideen	"	46		
23	Hiba.A	1 <sup>st</sup> Msc	5		
24	Rifa Nazier.k	1 <sup>st</sup> MSc	10		
25	AMITHA T K	1 <sup>st</sup> Msc	1		
26.	Ayanu.P.P	1 <sup>st</sup> msc	2		
27	Muhammed Nihal	1 <sup>st</sup> MSc	19		
28	Jilna.k	"	6		
29	Fathima Hiba.p	"	3		
30	Shaba.A	1 <sup>st</sup> MSc	12		
31	Shameema Sharin.k	"	14		
32	Mirha	"	8		
33	Lubine.p.N	"	7		
34	Scheer Muhammed	"	16		
35.	NADHA FATHIMA.AP	"	9		
36	SHIFA SHERIN.PK	"	15		
37	Abdul Haseeb	"	17		






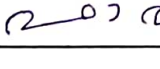





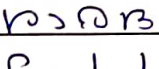


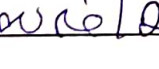



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39	Junaid MP	"	18		
40	Rahul. sv	3 <sup>rd</sup> Miro	35		
41	VIKARJAND	"	52		
42	Gowind	"	29		
43	ALHAFS	"	14		
44	SHIBINA SHIRIN	"	38		
45	RISANA.K	"	36		
46	Fathana. kv	"	4		
47	AJisha Nazrin kv	"	2		
48	Shahla-Ts	"	24		
49	Nahla shirin c	"	16		
50	HINANA ELACHOLA	"	11		
51	Sahad Abdurshiman	"	21		
52	Abhinav. T. H	"	39		
53	Liyana Shirin.K	"	33		
54	shahla A.k	"	23		
55	Hanoona Shaboom	"	30		
56	Naseera Banu-K	"	49		
57	Mu Feeda parvi-c	"	15		
58	Fathima Shirin-P.k	"	8		
59	Fathima Nidha	"	7		
60	SALMIYA.N	"	22		



**EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTI  
EXTENSION PROGRAM (2023-2024)  
MYCELIUM HARMONY: MUSHROOM CULTIVATION  
EXCELLENCE**

18-01-2024

Venue: SEMINAR HALL

SL. NO	NAME	WARD	SIGN	REMARKS
1	eljal	7		
2	Pushpa-K-P	7		
3	Sindhu NP	7		
4	Nisha-C	7		
5	Faseela-K	7		
6		7		
7	Prasanna Kumari KK	7		
8	Soudabi-L	7		
9	Snehitry CV			
10	Santitha U	7		
11		7		
12	Sakkeena PK	7		
13		7		
14	Naseema	7		
15	Salma-K-C	7		



Dr. SHIJI THOMAS  
HOD, Dept. of MICROBIOLOGY  
E.M.E.A. COLLEGE OF ARTS & SCIENCE  
KONDOTTY, MALAPPURAM, Pin: 673 638



# EMEA

**COLLEGE OF ARTS & SCIENCE** Kondotty

Aided by Govt. of Kerala, Affiliated to The University of Calicut  
Re-accredited with 'A' Grade by NAAC

P.O. Kumminiparamba - 673 638  
Malappuram Dist. Kerala - India


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E-mail: mail@emeacollege.ac.in | www.emeacollege.ac.in

Date: 15/01/2024

## LETTER OF COLLABORATION

EMEA College of Arts and Science, Kondotty and Krishi Vigyan Kendra, Malappuram has signed a letter of collaboration on 15/01/2024.

This Collaboration is for conducting the program, "Mycelium Harmony: Mushroom Cultivation Excellence", a training program on mushroom cultivation on 18/01/2023.

  
Dr. Priya. G. Nair

**Programme Co-ordinator**  
Krishi Vigyan Kendra  
Malappuram, Thavanur-079573



  
Principal

**Dr. Abdul Muneer V**  
PEN: 470317

Professor in Charge of Principal  
EMEA College of Arts & Science, Kondotty  
P.O Kumminiparamba -673638



# **EMEA COLLEGE ARTS AND SCIENCE, KONDOTTY**

**BOOMITHRASENA CLUB IN ASSOCIATION WITH  
MICROBIOME CLUB**



## **POLLUTION AWARENESS PROGRAMME 2K23**

Program date: December 04, 2023

Coordinators : Dr. Rajasekaran K E, Hasna K P.



# 1. BROCHURE

EMEA COLLEGE OF ARTS AND SCIENCE, KONDOTTY

(Re-accredited with 'A' Grade by NAAC)



**Bhoomithrasena Club**  
in association with **Microbiome Club**

Extension Programme

**POLLUTION PREVENTION  
AWARENESS PROGRAM 2K23**

**SUSTAINABLE DEVELOPMENT  
FOR A CLEAN AND  
HEALTHY PLANET**



**POLLUTION  
PREVENTION  
CAMPAIGN**



**PENCIL  
DRAWING  
COMPETITION**



**QUIZ  
COMPETITION**

Environmental pollution is an incurable disease.  
It can only be prevented.

2023  
December **04**  **AMUP School  
Kumminiparamba**

## 2. **INTRODUCTION**

India celebrates National Pollution Control Day on December 2 of each year. to increase knowledge of the various ways to reduce pollution and avoid industrial accidents. this day is dedicated to remembering those who lost their lives in the 1984 Bhopal gas tragedy.

## 3. **OBJECTIVES**

- To create awareness about the theme of National Pollution Prevention Day 2023.
- Share the idea of the relevance of preventing pollution.
- To create awareness about how to protect Earth from pollution.

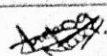


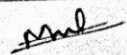

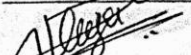


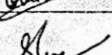

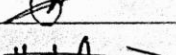
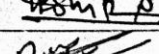
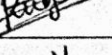



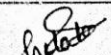
## 4. **BRIEF DESCRIPTION**

The program was conducted at AMUP SCHOOL KUMMINIPARAMBA and was led by coordinator Hasna K.P and Dr.Rajasekaran. Presentation part by Ridha (1<sup>st</sup> year BSc. Microbiology). Students explained about the importance of preventing the Earth from various kind of Pollution. Our students created an incredibly engaging presentation in an approachable style that sparked students' interest in the topic. Club members also did a play on preventing pollution. Students could also take part in a quiz and a drawing contest throughout the session. Each participant enthusiastically and skillfully created a wonderful drawing that conveyed the significance of the environment in our lives. The program concluded with prizes and gift for participants and winners of competitions.

## 5. PARTICIPANTS

### POLLUTION PREVENTION AWARENESS PROGRAM 2K23

Name of participants

Sl.no	Name	Class	Sign
1	Dheena Nasrin	BSc Computer Science	
2	Ayisha Jumana	BSc Computer Science	
3	Fathima Marva	BSc Computer Science	
4	Muhsina	BSc Computer Science	
5	Minha	BSc Computer Science	
6	Fathima Liya	BSc Computer Science	
7	Nihla. MT	BSc Biochemistry	
8	Ridha Rahman	BSc Microbiology	
9	Fathima Shifna	BSc Microbiology	
10	Shamna	BSc Microbiology	
11	Shifna	BSc Microbiology	
12	Riya Hana	BSc Microbiology	
13	Fathima Ridha.C	BSc Microbiology	
14	Fathima Farhana.M	BSc Microbiology	
15	Shabana Kurikkal	BSc Microbiology	
16	Hilala Diqra A	BSc Microbiology	
17	Fahmida KT	BSc Biochemistry	

## 6. PROGRAM PHOTO



