



KUTTUKARAN
POLYTECHNIC COLLEGE



UNNAT BHARAT ABHIYAN **KUTTUKARAN POLYTECHNIC COLLEGE**

**MANAKKAPADY, NORTH PARAVOOR,
ERNAKULAM - 683511**

**The report of activities conducted from the month of
April 2024 to October 2024**

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Adopted Villages

Sl.No	State	District	Block	Grama Panchayath	Villages
1	Kerala	Ernakulam	Mulanthuruthy	Amballir	Kullayettikara
2	Kerala	Ernakulam	Alangad	Kadungallur	Alankad
3	Kerala	Ernakulam	Parakadav	Puthenvelikara	Puthenvelikara
4	Kerala	Ernakulam	Vadavucode	Vadavucod Puthen Cruz	Puthen aruz
5	Kerala	Ernakulam	Koovappady	Okkal	Koovapaddy

UBA VOLUNTEERS – Kuttukaran Polytechnic College

STAFF CO-ORDINATORS

SL NO.	NAME	DESIGNATION	EMAIL
1	Dr.T.Dhanakashmi	Academic Advisor	aa@kuttukaranpoly.com
2	Ms.Aparna	Demonstrator, Civil Engineering	aparnasivadas@gmail.com
3	Mr.Abyn C J	Lecturer, Electrical&Electronics	abyncj777@gmail.com
4	Ms.Reshma A R	Demonstrator, Computer Engineering	reshmasooraj96@gmail.com
5	Ms. Shari	Demonstrator,Electrical&Electronics	sharirosevr@gmail.com
6	Mr. Roshan A J	Lecturer, Mechanical Engineering	Johnyroshan0@gmail.com

STUDENT VOLUNTEERS

SL NO.	NAME	DEPARTMENT	EMAIL
1	Ajeesh V M	Civil Engineering	ajeeshvkd24@gmail.com
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Activities Undertaken

Activity 1

Digi Kerala project 2024

As a part of “Digi Kerala” under Kerala state digital literacy scheme. The UBA Volunteers, coordinators of the Kuttukaran Polytechnic College and Alangad Panchayat, Ernakulam organised a digital survey from 21-07-2024 to 30-07-2024.in the adopted village. The project aims to achieve complete digital literacy in the Ernakulum district. The objective is to make Kerala with full digital literacy. 65 Volunteers from Kuttukaran Polytechnic Collage conducted the survey in all the 21 wards. And now the Alangad village is declared as Complete Digital Literacy by the President, Secretary and the ward counsellors of the village on 10th October 2024.



Activity 2

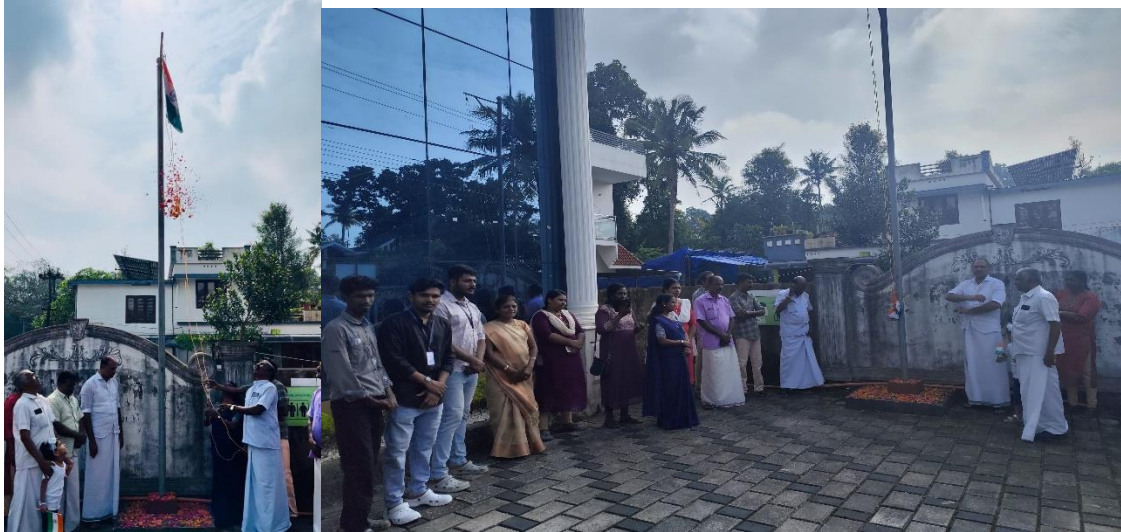
EK PED MAA KE NAAM

As a part of “Ek Ped Maa Ke Naam” under Unnat Bharat Abhiyan program, UBA Volunteers and coordinators of the Kuttukaran Polytechnic College, Ernakulam organised the tree plantation program in the KPTC campus and ward no.21, Karingamthuruth near PHC, Alangad, the adopted UBA village on August 19th 2024. The program started at 10.00 am in the KPTC campus and 2.00 pm in the Alangad village. The objective of the program was to plant a tree as a tribute to our mothers. The program ended at 4.30 pm.



Activity 3

Participated in the Independence Day Celebration



As per the message received from UBA Regional coordinator, Kerala Agriculture University, our UBA volunteers attended the flag hoisting ceremony on 15th August, 2024 at Alangad Panchayat office.

Activity 4

Dr.T.Dhanalakshmi, KPTC UBA volunteer attended a mini workshop on “WASH -Strengthening Social Outreach through Water, Sanitation, and Hygiene Initiatives from 07th November 2024 to 08th November 2024 at Capacity Building Centre, Socio-Economic Unit Foundation (Key Resource Centre, Ministry of Jal Shakti, and an accredited agency of the Government of Kerala in Water and Sanitation), located in Sarvodayapuram, Kalavoor, Alappuzha.



Activity 5

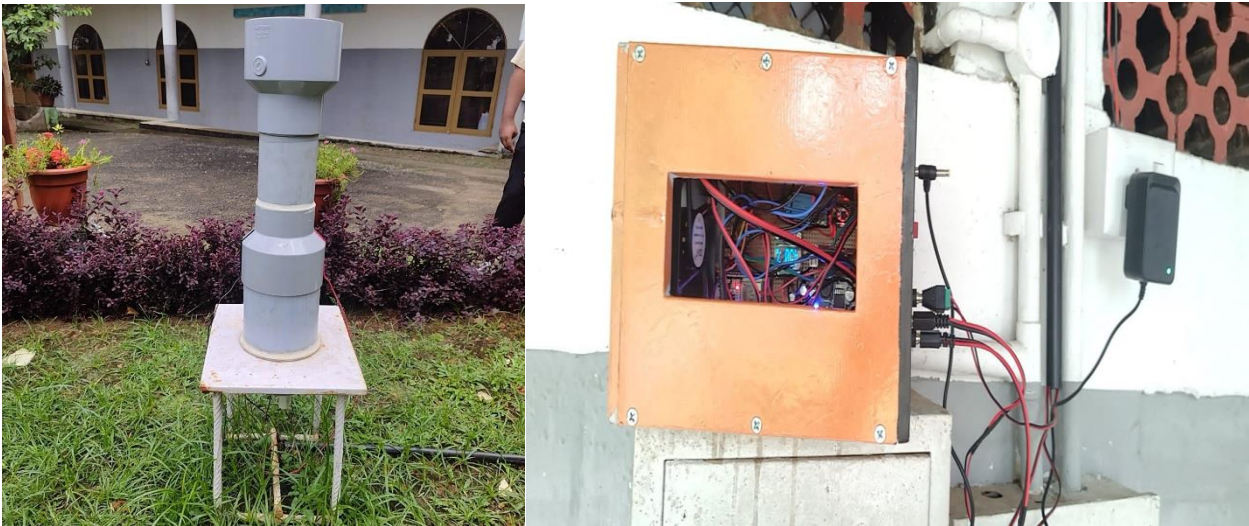
Development of Inoculum

A proposal on inoculum development was submitted to Alangad village for solid waste management on 13th November 2024..

Activity 6

Research Project

The automatic rain gauge project is completed. Identification of location is under process to set the rain gauge station in Alangad Panchayat, one of our UBA cluster villages.



Automatic rain gauge with “Rain Scape” app installed in vulnerable areas in our UBA village, Puthenvelikara, Puthencruz, Koovapady, Kulayettikara and Alangad cluster villages to measure rainfall intensity and duration. Rainfall data is transmitted to a central server or cloud-based platform in real-time. Advanced algorithms analyse rainfall patterns and trigger alerts when thresholds are exceeded. Alerts are sent to a Local authorities for evacuation orders, emergency response and resource allocation. Alerts are sent to the villagers through mobile app called “Rain Scape”, SMS or Sirens for immediate action. Alerts are sent to the emergency services for rescue and relief operations

Unnat Bharat Abhiyan (UBA) Meeting Minutes

Minutes No: 4

UBA Meeting held offline (Conference hall)

Meeting started at: 10.30 am, on

10/07/2024

Attendees Present:

1. Ms.Jilja T M, Principal
2. Mr.Sandeep, Dean
3. Mr. Abyn, Lecturer EEE
4. MS.Reshma, Computer Engineering
5. Mr. Ajeesh, S5, Civil Engineering
6. Mr.Sanjo S5, Civil Engineering
7. Ms.Abhirami, S5 Computer Engineering
8. Ms. Shari, Lab instructor, EEE
9. Mr. Joseph, S5, EEE
10. Mr.Gaurishankar, S5, EEE
11. Mr.Anandhkrishnan, S5, EEE
12. Mr.Ajith P S, S5, Automobile Engineering
13. Mr.Ashil Joseph, S5, Automobile Engineering
14. Mr.Sunil George, S5 Automobile Engineering
15. Dr.T.Dhabakashmi, UBA Coordinator

Review report of decisions taken/ action planning from last meeting:

The project work on automatic rain gauge is partially completed. Coding program is going on and the project is under progress..

■ **Meeting Agenda:** “Digi Keralam” program

Decisions taken

- It was decided to participate in the Digi Keralam Survey in the Alangad, one of our UBA cluster villages.
- The UBA Volunteers shall be permitted to take part in the survey program from 21st July 2024 to 30th July 2024 in all the 21 wards.

■ Meeting adjournment time: 10.50am

Unnat Bharat Abhiyan (UBA) Meeting Minutes

Minutes No: 5

UBA Meeting held offline (Conference hall)

Meeting started at: 10.30 am, on

10/08/2024

Attendees Present:

1. Ms.Jilja T M, Principal
2. Mr.Sandeep, Dean
3. Mr. Abyn, Lecturer EEE
4. MS.Reshma, Computer Engineering
5. Mr. Ajeesh, S5, Civil Engineering
6. Mr.Sanjo S5, Civil Engineering
7. Ms.Abhirami, S5 Computer Engineering
8. Ms. Shari, Lab instructor, EEE
9. Mr. Joseph, S5, EEE
10. Mr.Gaurishankar, S5, EEE
11. Mr.Anandhkrishnan, S5, EEE
12. Mr.Ajith P S, S5, Automobile Engineering
13. Mr.Ashil Joseph, S5, Automobile Engineering
14. Mr.Sunil George, S5 Automobile Engineering
15. Dr.T.Dhabakashmi, UBA Coordinator

Review report of decisions taken/ action planning from last meeting:

The UBA Volunteers, coordinators of the Kuttukaran Polytechnic College and Alangad Panchayat, Ernakulam organised a digital survey from 21-07-2024 to 30-07-2024.in the adopted village

■ **Meeting Agenda:** “Ek Ped Maa Ke Naam” program

Decisions taken

- It was decided to do the tree plantation in the Alangad village, one of our UBA cluster villages.
- The UBA Volunteers shall meet the panchayat secretary to get the permission to do the tree plantation on 12th August 2024.
- All the UBA Volunteers and Coordinators shall attend the Independence Day celebration on 15th August 2024 in one of our UBA cluster villages.
- All the UBA Volunteers and the coordinators shall report at 7.30 am in the panchayat office on 15th August 2024.

■ Meeting adjournment time: 10.50am

Unnat Bharat Abhiyan (UBA) Meeting Minutes

Minutes No: 6

UBA Meeting held offline (Conference hall)

Meeting started at: 1.00 pm, on

15/10/2024

Attendees Present:

1. Ms.Jilja T M, Principal
2. Mr.Sandeep, Dean
3. Mr. Abyn, Lecturer EEE
4. Mr.Roshan, Lecturer, Mechanical Engineering
5. Mr.Kurian Joseph, S1, Mechanical Engineering
6. Mr.Nivedh, S1, Mechanical Engineering
7. MS.Reshma, Computer Engineering
8. Mr. Ajeesh, S5, Civil Engineering
9. Mr.Sanjo S5, Civil Engineering
10. Mr.Deepak Vijayakumar, S5 Mechanical Engineering
11. Ms.Abhirami, S5 Computer Engineering
12. Ms. Shari, Lab instructor, EEE
13. Mr. Joseph, S5, EEE
14. Mr.Gaurishankar, S5, EEE
15. Mr.Anandhakrishnan, S5, EEE
16. Mr.Ajith P S, S5, Automobile Engineering
17. Mr.Ashil Joseph, S5, Automobile Engineering

18. Mr.Sunil George, S5 Automobile Engineering

19. Dr.T.Dhabakashmi, UBA Coordinator

■
■ Review report of decisions taken/ action planning from last meeting:

The UBA volunteers and coordinators attended the flag hoisting program on August 15th 2024 in the Alangad Panchayat. Also, the UBA Volunteers and coordinators of the Kuttukaran Polytechnic College, Ernakulam organized the tree plantation program in the KPTC campus and Alangad panchayat, the adopted village on August 19th 2024.

■ **Meeting Agenda:** Inoculum Preparation

Decisions taken

- It was decided to prepare inoculum for solid waste decomposition and supply the same to Alangad village as per their demand.
- The proposal on Inoculum shall be submitted to the Alangad panchayat on or before 16th November 2024.

■ Meeting adjournment time: 12.30pm