

UNNAT BHARAT ABHIYAN

RCI-IIT Palakkad

Annual Report 2021-22



IIT PALAKKAD



उन्नत भारत अभियान
UNNAT BHARAT ABHIYAN

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IIT Palakkad as the Regional Coordinating Institute

1. Development of framework to operationalise Unnat Bharat Abhiyan activities effectively for the development of Local Self Government Bodies in Kerala

A. Meeting with Chairman, Sixth State Finance Commission, Kerala and Director KILA

Date: 17-07-2021

Attendees

1. Mr. Vijayanand, Chairman, Sixth State Finance Commission, Kerala
2. Prof. P B Sunil Kumar, Director IIT Palakkad
3. Dr. Joy Elamon, Director KILA
4. Dr. Athira P, Assistant Professor & UBA Regional Coordinator, IIT Palakkad
5. Dr. Sahely Bhadra, Assistant Professor & UBA Institute Coordinator, IIT Palakkad
6. Mr. Nikhil R R, Project Coordinator, UBA IIT Palakkad

Agenda

Agenda of this meeting was to discuss how to operationalise UBA activities effectively for the development of Local Self Government Bodies and the Kerala State

Minutes

Mr. Vijayanad initiated the discussion by sharing the framework to effectively implement UBA activities all over Kerala. The suggested road map is as follows.

1. Developing basic concept notes
 - Unnat Bharat Abhiyan - IIT Palakkad will prepare the basic concept notes including Vision, Mission, Operational guidelines, Best practices, Coordinating mechanisms etc, of UBA
 - Suggested list of activities - Preparation of the suggested list of activities that can be done in the Kerala State. Mr. Vijayanand, Dr. Joy Elamon and Prof Sunil Kumar will coordinate developing the list.
2. Webinar/ Brainstorming

- Once the concept notes are ready, this is to be circulated to Selected technical and non-technical institution representatives, university representatives, eminent LSG Presidents, People Plan experts. A meeting with the above stakeholders is to be organised to acquire ideas/suggestions on how to operationalise UBA activities effectively in Kerala.

3. Taking it to the Government

- Getting approval from the government and holding a meeting of the stakeholders ideally presided over by the Chief Minister, Kerala

4. Decentralised action plan

- Preparation of the detailed plan at the district and Panchayat level. The District Collector, District Planning Officer, District Panchayat President, KILA etc can be involved in the preparation of the action plan and can be communicated to various institutions.
- Mr. Vijyanand suggested IIT Palakkad to take lead in creating the asset maps of local government bodies using Geographical Information System(GIS) tools. Prof. Sunil Kumar and Dr. Sahely Bhadra conveyed that IIT Palakkad has already started the initiative in the Pudussery Gram Panchayat and is ready to take this activity across Kerala.
- Dr Joy Elamon has discussed the idea of knowledge mission and also the concept of One Local Government and One Innovation initiative. He also suggested incorporating the other regional coording institute of UBA in the process. It was decided to take these up after the concept note is ready.

Prof. Sunil Kumar agreed that the IIT Palakkad team will prepare the concept note of UBA and share it with all within a week. The discussion ended fruitfully.

B. Meeting with various stakeholders of Local Self Government

Date: 08-10-2021

Platform: Zoom

Attendees

1. Mr. Vijayanand, Chairman, Sixth State Finance Commission, Kerala
2. Prof. P B Sunil Kumar, Director IIT Palakkad
3. Dr. Joy Elamon, Director KILA

4. Dr. Athira P, Assistant Professor & UBA Regional Coordinator, IIT Palakkad
5. Dr. Sahely Bhadra, Assistant Professor & UBA Institute Coordinator, IIT Palakkad
6. Mr. Nikhil R R, Project Coordinator, UBA IIT Palakkad
7. Dr. Jiju P Alex, Member, State Planning board
8. Prof. P K Raveendran, Director of research, IRTC
9. Sri. K K Krishnakumar, Senior Fellow, Centre for Socio-Economic and Environmental Studies (CSES)
10. Sri. G Sajan, Former Head, Doordarshan Kendra
11. Sri. Jamal. S, State Resource Group
12. Ms. Sudha D, Director, KILA-CHRD
13. Dr. Peter M Raj, Associate Professor, KILA
14. Dr. J B Rajan, Associate Professor, KILA
15. Dr. Jibini Kurian, Faculty Member, KILA
16. Dr. Vinod S, Faculty Member, KILA
17. Dr. Ajith Kaliyath, Urban Chair Professor, KILA
18. Sri. Sudesan V, Faculty Member, KILA
19. Smt. Sukanya, Research Associate, KILA
20. Dr. Amruthraj, Faculty Member, KILA
21. Sri. Manoj Kumar, Officer in Charge of UBA, Assistant Registrar, IISER Thiruvananthapuram
22. Sri. Vishnu T U, Manager, UBA, IISER Thiruvananthapuram

Agenda

Agenda of this discussion was to develop a framework on the Academic Support System for Sustainable Rural Development.

Minutes

Prof. P B Sunil Kumar, Director IIT Palakkad welcomed all the invited experts and initiated the discussion by stating that the structured discussion is planned focusing on i) developing the idea of institutionalizing the interaction between Higher Education Institutes and Local Self Government Institutions, ii) thrust areas that can be focused immediately and iii) the modalities for doing the same. He also mentioned that the motivation behind this initiative is that if the interaction between Higher Education Institutes and Local Self Government Institutions in Kerala under Unnat Bharat Abhiyan become a success, then this would become a model across India for others to follow.

Mr. Vijayanand IAS has mentioned that Unnat Bharat Abhiyan can be operationalized effectively in Kerala in light of his experience from the successful People's Planning Campaign and earlier best practices of National Service Scheme and post flood activities by many engineering colleges. He suggested that the role of a Higher Education Institute (HEI) in rural development should depend on the nature and expertise available. For example IIM Kozhikode could take up the management of Kozhikode Corporation, IIT Palakkad for taking up the e-governance aspects, Medical Colleges could formulate health plans, Agriculture Universities for agriculture development etc. This model can be easily replicated in other places as well. He also pointed out the possibility of HEIs working closely with Kudumbashree units. He mentioned that a concept note will be prepared after the discussion and approach the state government for ideally issuing a cabinet order for the engagement. He suggested forming a State level empowered committee for troubleshooting and bringing out clarity in the initial state. He asked to decide on how to start this initiative by conducting dialogues and who will be the authority that facilitates such dialogues at the district or block level. He stated that KILA has a huge role in the capacity building of HEIs and LSDIs. He said that the main challenge would be to develop this engagement into a sustainable model. He pointed out that, by working with the Panchayats, the students and teachers will gain a lot and thus it would be a win-win for both of them. He requested KILA and IIT Palakkad to prepare a concept note based on this discussion and suggested taking it up to the State Government Authorities.

Dr. Athira P, Assistant Professor IIT Palakkad & Regional Coordinator UBA gave a presentation on the background of the discussion. She covered the concept of UBA and its mandates. She shared the suggested plan of action and requested suggestions from experts to strengthen the weak points in the existing UBA system. Also she put forward the questions for discussions.

Main points discussed

Q1. How to institutionalize the partnership of HEIs and LSGIs?

Dr. Jiju P Alex

- HEIs can be involved in the various process of People's Planning Campaign
- Transferring/integrating ready to use technologies in development projects

- Rural issues to be added in the research topics of HEIs and making academia responsive to developmental issues
- UBA lacks support from the district administration and has financial constraints
- KAU formulated a block level agriculture knowledge center wherein a scientist from KAU will lead the team and convened by Assistant Director at the block level
- Knowledge centers on multiple domains can be established at the block/district level under the District Resource Group and it can link the LSGIs and HEIs.

Prof. Raveendran

- There is a possibility to connect each Gram Panchayat to a HEI neglecting the fact that many HEIs are concentrated around the towns.
- HEIs should be involved with the LSGIs depending upon their expertise and resources available.
- HEIs can coordinate with the District Planning Committees in the planning, implementation and monitoring of various developmental activities
- HEIs should focus on developmental activities not on welfare activities which NGOs are doing.
- HEIs should support LSGIs in the usage of various resources available in the Gram Panchayats like Resource Maps and also help in the projectisation of various developmental projects.
- The entry point of HEIs in the rural development activities of a district can be through the District Planning Committee / District Planning Board

Sri. K K Krishnakumar

- There are time constraints for HEIs. There is no clear idea when HEIs can give handholding support in the preparation of developmental plans of the Gram Panchayat.
- List the type of expertise each HEIs can provide and share it with the LSGIs in the nearby regions.

Dr. J.B. Rajan

- Dr. Rajan suggested experimenting a HEIs-LSGIs partnership model in a district first before institutionalizing the mechanism
- The success of the People Plan Campaign is social capital generated. UBA also started with the voluntary activity of faculty of IIT Delhi hence limited financial support should not be a limiting factor for the success of UBA.
- Skill Mapping of the HEIs in Kerala needs to be done to identify their potential and expertise they can offer
- The proposed partnership should go with the existing people plan campaign

- Explore the possibility of connecting the expertise of HEIs with various working groups in the Gram Panchayats
- Tap possibility of CSR funding
- To prepare a convergence matrix with the LSGIs and the available expertise

Dr. Peter M Raj

- Shared his experience in the Local Government Interface Program of KILA funded by MoPR
- Suggested HEIs to understand the needs of the Gram Panchayats and share the expertise
- HEIs will have more opportunities to learn from LSGIs

Sri. Sudesan V

- The partnership of HEIs and LSGIs can be institutionalize at the block and district level
- Shared earlier experience of block level technical committees.
- HEI support needs to be given to the local bodies which are weak
- Institutional mechanism should have community ownership (Student, teachers, elected representatives communities)
- Institutional mechanisms should have role clarity for each type of institute.

Sri. G. Sajan

- HEIs can act as a support system for LSGIs in the implementation of various programs
- Larger cities and small villages should benefit out of HEIs-LSGIs partnerships.

Dr. Ajith Kaliyath

- The proposed ecosystem would bring new areas of work and it can support the panchayats in the areas of issues in planning design, gaps in information management etc.
- Possibility of convergence with RURBAN schemes, Community Skill Parks, Atal Tinkering Labs etc
- The proposed ecosystem can help in better projectization and upscaling of identified problems.
- The proposed ecosystem can bring contributions from philanthropic institutions and CSR funds for rural development

Q2. Potential areas where academic institutions can contribute?

Dr. Jiju P Alex

- Recommended to develop a knowledge network of institutions for solving rural issues
- HEIs can help in all the 12 development sectors that have been transferred to LSGIs.
- HEIs can contribute on technology adaptation programs
- Technological solutions to various problems
- Technology backstopping
- Tapping in-house resources of HEIs
- Focus group discussion with the implementation officers will help to identify the technological intervention required in LSGIs
- Scale, Type, Capability of institutes needs to be considered while dealing with local issues.

Sri. K K Krishnakumar

- Capacity building of new professionals with the help of HEIs in different areas like resource mapping, drainage mapping in Panchayats etc.
- Health actions by people program

Prof. Raveendran

- Linking of LSGIs and HEIs needs to be done based on the demand and expertise
- HEIs can network with other HEIs experts for sorting out rural problems
- Increase the potential of small scale industrial units and make them more sustainable
- Support Kudumbasree units in marketing, branding, quality control
- Waste Management
- Advices on the suitable technologies for different rural issue
- District Planning Committees can take a lead in this partnerships

Dr. Joy Elamon

- It is better for the HEIs to have discussion with their nearby LSGIs for the interventions required based on their expertise.
- Ensure linkage with the District Resource Centers
- Can connect with One Local Government One Innovation Program
- Localisation of SDGs, Local Action Plan on Climate Change
- KILA can facilitate the linkages of HEIs with LSGIs

Sri. Jamal. S

- UBA can be a sub set of District Resource Centre including representatives from all HEIs in the district
- LSGIs can submit their needs through a portal and then the district planning committee can decide which all institutions can work together to bring the solutions

- KTU amended the act for the establishment of Industry-Institute-Innovation Council and may establish system to connect LSGIs with HEIs
- HEIs can list out activities that can be done throughout the states.
- HEIs can help in soil quality assessment in the Panchayat level

Dr Peter M Raj

- Faculty of HEIs can become members of the working groups of LSGIs that can help in the need assessment
- Energy Conservation
- Air quality ratings
- Innovation of aided support to different abled, aged people

Dr. Jibini Kurian

A questionnaire (using google form) can be shared among the HEIs to identify different technical /services they can offer and to LSGI to identify what are the potential areas they require services. Based on the data collected from the two questionnaires, a list can be developed based on the areas which require services and the HEI who are ready to provide solutions. This can be worked out with the help of IIT/IISER/IIM/ Agricultural university/ Medical college. Then to come out with a network of agencies who will be implementing/ monitoring etc.

Q3. Modalities for academic institutions to work with the LSGIs

Dr. Ajith Kaliyath

- Community Immersion Approach

Dr Rajan

- Modalities will vary depending on the duration of the service (short term or long term) and also type of service.
- HEIs can be a member of the District Planning Committee or various working groups in the Panchayats. Then the involvement of HEIs in rural development activities will become easier.

In the concluding remark of the meeting, Dr. Joy Elamon has suggested that HEIs should have a basic understanding of the working of LSGIs and that is required for an effective partnership. KILA has agreed to help the HEIs to bridge this gap. Prof. Jiju Alex has suggested it will be good to take input from other regional coordinating institutes in Kerala for the concept note preparation. The Director IIT Palakkad has agreed to this suggestion and it is decided to have a

meeting of all the RCIs to discuss this matter. The meeting has concluded with a note that detailed minutes of the meeting and the updated concept note will be shared among all the speakers of the discussion.

Specific Conclusions from the meeting:

- Linking the HEIs of a district with the District Planning Committee/ District Resource Group will help in effective partnership with the LSGIs. This provides an opportunity for the HEIs to understand the actual demand of the panchayats/district in the rural development.
- Making the skill map of HEIs available to the State/ District level resource group will be helpful for effective utilization of the knowledge base of HEIs in rural development
- The modalities for HEIs to work with LSGIs will become clear only after the partnership is institutionalized.

Suggested Plan of Action

1. It is decided to have a meeting with the other RCI coordinators for a more effective operationalization of UBA in Kerala
2. Based on the discussion, a framework is proposed for the institutionalization of partnership between HEIs and LSGIs are as follows,

It is decided to form a layered structure for effective interaction between both the stakeholders. The apex body will be a State Level Empowered Committee to lead and regulate the decentralized district level activities and Statewide resource linking. The State Level Committee can include Secretary Local Self Government Department, Higher Education Department, Vice Chancellors and Directors of HEIs, Nominated members of State Planning Board- Decentralized Planning Division, and Director-Kerala Institute of Local Administration,

Under the apex council, it is planned to have a district-level committee coordinated by the district administration. This committee can be co-chaired by the District Collector and the Regional coordinator of UBA and can include Nominated Members of District Planning Committee, District Resource Centre, Selected Higher Education Institute representatives - Engineering, Management, Medical, Law, Arts & Science. The functions of this committee will be as follows,

- Identification of issues that need technical/professional assistance
- Develop a network of technical expertise available in the district based on the type of institutions and establishment of knowledge centers on multiple domains
- Facilitate the partnership of HEIs, Local Self Government Institutions, District Planning committee

- Formulation of district wise development plan

A local government level coordination committee will be the lowest level which will directly involve in the rural development activities of each Panchayat. The committee can be co-chaired by the UBA coordinator from one of the HEIs in the panchayat and the Panchayat Secretary. The members of this committee can be Gram Panchayat/ Municipality/Block President, Gram Panchayat/ Municipality/Block Secretary, UBA Coordinators of the Higher Education Institutes, and Nominated Ward members.

3. It is also decided to conduct a survey in the HEIs and the Panchayats for skill and demand mapping

C. Meeting convened by Additional Chief Secretary, Local Self Government Department, Govt. of Kerala

Date: 25-02-2022

Platform: Zoom

Attendees

1. Smt. Sarada Muraleedharan IAS, Additional Chief Secretary, LSGD
2. Dr. V. Venu IAS, Additional Chief Secretary, Higher Education Department
3. Sri. H. Dineshan IAS- Director of Panchayat
4. Smt. V. Vigneshwari IAS- Director of Collegiate Education
5. Smt. P.I Sreevidhya IAS-ED. Kudumbashree
6. Dr. P. B Sunil kumar, Director IIT Palakkad
7. Smt. Josephine J, Chief, DP Division, SPB
8. Dr. Joy Elamon, Director General KILA
9. Sri. K. Harikumar, Joint Director Urban Affairs
10. Sri. V. S Santhosh Kumar, Additional Development Commissioner, Principal Directorate
11. Smt. Leena N.P -Joint Secretary LSGD
12. Dr. Sahely Bhadra, Assistant Professor, IIT Palakkad
13. Mr. Nikhil R R, Project Coordinator, IIT Palakkad

Additional Chief Secretary initiated the meeting and requested the Director of IIT, Palakkad to explain the possibility and scope of operationalizing the Unnath Bharath Abhiyan scheme in the State, for Academic Support System for Sustainable Local Development.

Unnath Bharat Abhiyan (UBA) is a flagship programme of the Ministry of Education, Government of India. It is inspired by the vision of transformation change in rural development. The Director, IIT Palakkad explained the - proposal regarding the incorporation of UBA scheme

in detail, which is intended to connect higher education institutions and LSGIs, to support the Local Self Government Institutions in many prime areas like health sector , biomedical waste management, GIS based plans etc. KILA is proposed to be the nodal agency to connect higher education institutions to Local bodies. He suggested a State Level Committee to be constituted under KILA for coordination. Further, a higher level committee (State Level Empowered Committee) comprising the HODs (LSGD, Higher Education and Planning Depts, University VCs) to coordinate and steer the implementation of the scheme, is also proposed to be formed.

The meeting opined that the structure to monitor and intervene in the scheme should include the SRG, KILA, Kudumbashree, Principal Director-LSGD, LSG Associations, the Padana kendras etc. Possibility of engaging NSS and NCC is also to be examined.

It was also felt that rather than having an empowered committee. and steering committee at State level, working with a nodal agency once the framework of engagement is finalised would be more effective. The process should be in 'bottom up' mode. Kudumbashree opined that a detailed framework regarding the engagement needs to be figured out through a consultative workshop. Towards this it was proposed that a writeshop with the participation of stakeholder agencies, organisations and individuals could be held to develop the modalities of the framework of the UBA engagement with LSGD and LSGs.

KILA opined that the framework should allow freedom to Local Governments to make use of a Higher Education Institution depending on the specific areas that the institute has expertise in, and on the proximity in location to the LSG.

For the effective operationalization of the scheme, areas in which services of Higher Education Institutions can be availed and Local Governments in need of such services are to be identified. These could be stand alone support like development of a mobile app, or data analytics and ICT based solutions. These could be greenfield interventions in cutting edge technologies like machine learning, IOT, AI and VR/AR techniques. They could also be socio-economic action research led projects where the engagement was of longer duration.

The following decisions were arrived at after detailed discussion:-

1. KILA and IIT Palakkad will together organise a consultative writeshop, including the stakeholders and others, to derive who are to be brought in the UBA Scheme, which are the objectives to be taken up and the stakeholders of both sides from LSGIs and from Higher Education Institutions. KILA will make arrangements to convene the Consultative WriteShop in March 2022. Participation of Resource Persons associated with Local Governments to be ensured.
2. The main objective of the 'writeshop would be to prepare a framework of engagement, after considering various possibilities, having local/sectoral actionable details. Workshop

will identify various domains of LSG- UBA engagement and mapping of institutions where specific domains can be made available.

3. Decided to prepare a list of the Local Self Government Institutions needing assistance, and the domain area of such assistance. (Action - KILA)
4. On the basis of the framework prepared after the workshop, Govt. order for approval of guidelines to Local Self Government Institutions will be issued.
5. KILA is identified as the nodal agency of operationalising Unnat Bharat Abhiyan Scheme in the State. Through the District Resource Persons of KILA, regular appraisals to be made according to the frequency of review warranted as per the template developed.
6. Suchitwa Mission, Information Kerala Mission, Kudumbasree Mission are identified as the mission partners of Local Governments in this initiative.
7. With participation of IIT Mumbai, Madras, Ecological sustainability analysis and frameworks for ecological maintenance can be pursued. The proposed UBA framework should enable this.

D. Discussion with Thrissur Resource Group

Date: 29-03-2022

Platform: Google Meet

Discussion Summary

- Every District Planning Committee has a mandate to form subject wise resource groups in each districts. Thrissur District Planning Committee has taken initiative to form subject wise resource groups by incorporating academic institutions of the district based on the expertise of the faculty available. The Thrissur District Resource Center has 12 subject wise resource teams consisting of District Government Officials, Scientist/ Faculty from Higher Education Institutions etc. The first formation meeting was with the head of institutions and later on faculty were assigned based on their expertise.
- Selected Thematic Areas: Agriculture, Animal Husbandry and Fisheries, Local Economic Development, Innovation and Entrepreneurship, Data, Climate and Environment, Water, Waste Management, Health, Education, Energy, Transportation, Tourism, and Food
- Academic Institutions can support the local governments in the preparation of their annual action plans by leveraging their knowledge base.
- Students of HEIs institutions can also be part of the formulation of LSGIs plans by conducting various surveys and other allied activities
- A planning forum is proposed for each academic institution in Thrissur (similar to UBA cell) and it involves faculties and students. Institutions like IITs can mentor groups of institutions.

- Listing out the best practices done by various academic institutions across the country would be beneficial for the preparation of action plans and identifying solutions for local issues.
- The incubation centers of academic institutions can be connected/interlinked to the needs of local governments or government institutions.
- **Activities initiated in Thrissur:** The District Resource Team has verified the district plan which was prepared three years ago and made recommendations and suggestions. The second initiative was gathering of academic institutions in the district and listing out the HEIs expertise and evolving a supportive mechanism to the local governments. Thrissur District Planning Committee is planning to develop a mobile application/datasets to categorize students and faculty based on their location/interest.
- Every local body has a planning committee. It takes technical support from the experts. Faculty members can be a part or support such committees.
- Thrissur District Panchayat is currently undertaking a Comprehensive Education Program compiling 20-25 government programs.

E. Meeting with Dr. Rajesh K, Senior Urban Fellow, Kerala Institute of Local Administration

Suggested Action Plan

- ➔ Selection of HEIs based on their interest (around 25 HEIs from Palakkad, Kozhikode, Kannur, Wayanad and Kasargod.
 - Send email to seek each prospective institute's interest of participation.
 - Shortlist 25 HEIs for attending the workshop.
- ➔ Identification of interested area of intervention/activity by each HEIs
 - Online orientation for HEIs for collaborating in this initiative.
 - HEIs meeting one to one with an interested Grama Panchayat to select their interested/potential area of interventions (minimum two)
 - Each HEIs can form a team of 3-5 faculty/experts.
 - HEIs can look into the areas of 1. Impact evaluation, 2. Innovation/Solution/ Idea Generation, 3. Action Research Projects, 4. Baseline studies and DPR Preparation, 5. Voluntary Human Resources
- ➔ Workshop at KILA
 - One day or two day workshop
 - One day -HEIs and Grama Panchayats
 - Brainstorming the selected themes/areas of intervention
 - Strategy development for the association

- Another workshop could also be planned with the faculty incharge of various clubs such as NSS, Social Outreach, Literacy Clubs, Student clubs etc in these institutes.

Selected lists of thematic areas

1. Agriculture, Animal Husbandry and Fisheries
2. Local Economic Development
3. Innovation and Entrepreneurship
4. Data
5. Climate and Environment
6. Water
7. Waste
8. Health
9. Education
10. Energy
11. Transportation
12. Tourism
13. Food

Selected list of activities

1. Fallow land categorisation
2. Micro Irrigation
3. Waste Management
4. Green Technology
5. Animal Husbandry
6. Watershed/ River basin plan
7. Subject wise teacher training
8. Entrepreneurship models/support
9. Local history
10. Biodiversity register
11. Energy Audit
12. Water testing
13. Health register
14. Food technology
15. Drainage audit
16. Energy Conservation
17. Grama Panchayat GDP Calculation
18. Hamlet Plan/ Micro Plan preparation

19. Data Analysis
20. Office automation
21. Environment Impact Assessment
22. Climate/Disaster related initiatives
23. Trainings
24. Action Research Projects
25. Microplan, Detailed Project Report

F. IIT Palakkad- KILA Regional Workshop

IIT Palakkad in collaboration with Kerala Institute of Local Administration, organised the regional level Unnat Bharat Abhiyan workshop on 23-04-2022 (Saturday) at KILA Campus, Thrissur. The clientele group consisted of UBA Participating Institute Coordinators of the region, Local Self Government Institutions (LSGIs) representatives, LSGD departments representatives (Annexure 1 attached).

Dr. Rajesh K, Senior Urban Fellow welcomed all the participants and gave a brief introduction to the workshop. Dr. Joy Elamon, Director KILA, in his inaugural address discussed the importance of the collaboration between Higher Education Institutions (HEIs) and LSGIs. He has talked about the present challenges faced by the LSGIs and the role of an academic support system for tackling those challenges. He also mentioned that the Grama Panchayat can be considered as incubation centers for the HEIs, where the problem statements and real world challenges come from.

Dr. Athira P, Assistant Professor, IIT Palakkad & Regional Coordinator of UBA, in her presentation discussed the objectives, context and need of an academic support system for the LSGIs. She mentioned that there is a lack of proper mechanism to enable linking between LSGIs and HEIs. She has also discussed the efforts taken in this direction to develop an institutional mechanism. She has shared the benefits of the HEIs in participating in the UBA program. She concluded her presentation with the best practices of UBA Participating Institutions in the region.

Dr. Rajesh K, cited examples of the activities that can be taken up by the HEIs and LSGIs. He mentioned that HEIs can look into the areas of Impact evaluation, Innovation/Solution/ Idea Generation, Action Research Projects, Baseline studies and DPR Preparation, Voluntary Human Resources etc.

Later on, all the participants were engaged in a group activity. District-wise groups of HEIs and LSGIs were formed, and a selected list of thematic areas and activities were distributed to the groups (Annexure 3 attached). The group members interacted with each other effectively and came up with a list of activities that can be taken up together. Each participant was very enthusiastic during the activity and shared their inputs to the respective group. The group representatives from each district presented their discussion summary (Annexure 4 attached) at the end of the session.

The afternoon session started by Prof. Jiju P Alex, Member Kerala State Planning Board. He stated that Kerala has a strong decentralised governance system and almost all the developmental activities/sectors are being addressed by the LSGIs. He noted that considering the peculiarities of Kerala State, UBA has to modify its mode of action to get tangible results. The infusion of Science & Technology and State of Art Knowledge is required from the HEIs to bring development of LSGIs. He cited the example of IIT Delhi Rural Technology Center contributing to technological solutions to the problems faced by the rural society. He also mentioned that, based on the expertise available, the HEIs can intervene in the process of local government plan formation by bringing new ideas in solving problems. He also stated that HEIs can support the LSGIs in preparing the status report of various developmental sectors. He shared that the proposed 14th five year plan guidelines has given freedom for the LSGIs to adopt new technologies, to experiment with innovations in the process of program planning with a major emphasis on increasing production and productivity, in all the sectors. He requested the HEIs to formulate projects on entrepreneurship and skilling to generate more employment opportunities for the public.

Later on the day, Smt. Sarada Muraleedharan IAS, Additional Chief Secretary, LSGD and Dr. Joy Elamon joined the discussion. Dr. Rajesh K and Dr. Athira P shared the status of the workshop and the problem statements enlisted. Smt. Sarada Muraleedharan suggested that HEIs through their assessments can come up with innovative growth opportunity projects in the areas such as cyber spacing, coding, artificial intelligence, high end technologies, communication design and suggest such projects/initiatives to the LSGIs. She added that LSGIs may not be in a position to suggest or propose such kinds of projects. She has also suggested taking up projects such as Management Information System for the micro management of drinking water schemes, Carbon Neutrality innovations, Smart Building materials, etc. She suggested involving HEIs expertise (Researchers, Faculty) into the working groups of LSGIs for the plan preparation and to get acquainted with the operations of Panchayati Raj Institutions. HEIs can conduct hackathons by collecting problem statements from the LSGIs.

All participants submitted that the workshop was fruitful and agreed to work for the suggested plan of action.

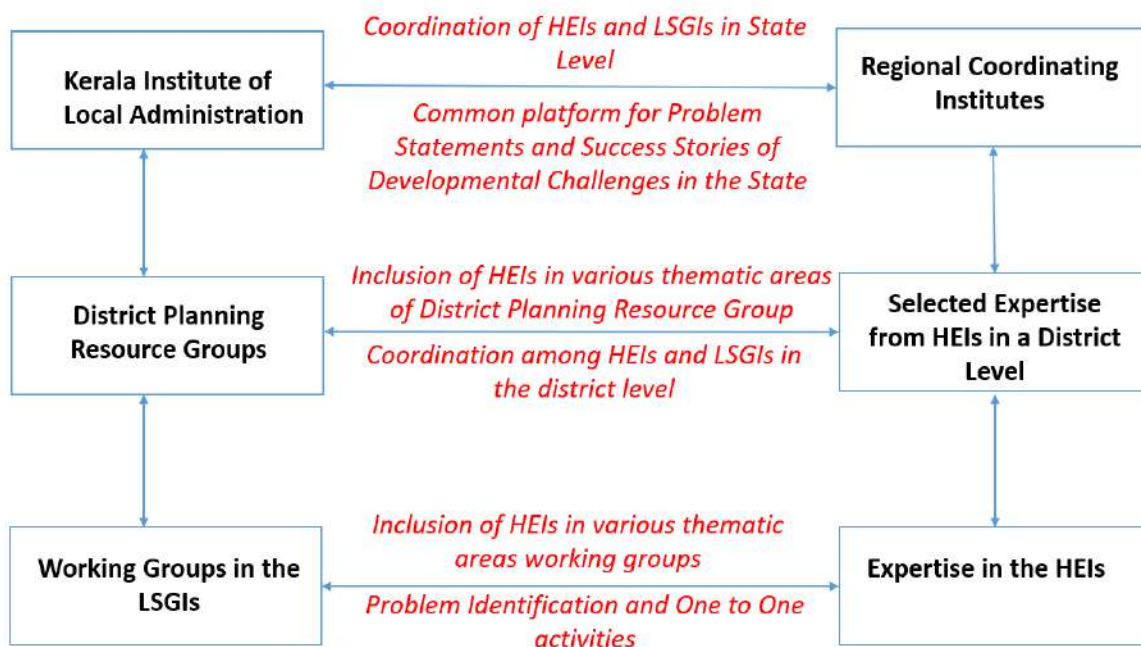
Suggested Plan of Action:

1. UBA Participating Institutes and LSGIs have to have a one-to-one meeting and make a list of the major issues/problems faced by them. The scope of involving HEIs expertise in the working groups of LSGIs needs to be considered. The HEIs which are not part of the UBA framework can also be encouraged to do this activity.
2. District-level workshops involving all the interested HEIs and LSGIs will be conducted to discuss the district-level problem statements and solutions. KILA will facilitate the workshops. The scope of involving HEIs expertise in the District Resource Groups needs to be considered.
3. The UBA Regional Coordinating Institute will consolidate the problem statements and expertise available in each district. A regional level workshop will be planned after the district level workshop to consolidate and formulate actions at the regional level.

Framework for LSGI-HEI Interaction

The UBA Regional Coordinating Institutes and KILA together will coordinate the LSGI-HEI interaction in the State. The RCI-KILA collaboration will act as a platform for sharing the problem statements and success stories of developmental challenges in the State. The HEI-LSGI interaction on a district level will be made possible through the District Planning Resource Group(DPRG). The experts from HEIs will also be members of the DPRG in different thematic areas, and they will coordinate the HEI-LSGI interaction at the district level. The developmental challenges in the grass root level will be tackled by the LSGI and HEIs in the Panchayat. The representatives from HEIs will be a part of the local government Working Groups in different thematic areas and contribute to the development of each grama panchayat. The problem statements which need combined efforts have to be shared in the common platform.

Proposed Framework for HEI-LSGI Partnership



ANNEXURE 1

Participants List

Sl No	Name	Designation	Institution
1	Smt. Sarada Muraleedharan IAS	Additional Chief Secretary	LSGD
2	Dr. Joy Elamon	Director	KILA
3	Prof. Jiju P Alex	Member	Kerala State Planning Board
4	Elsy Joy	President	Thavinjal GP
5	Laiji Thomas	Development Standing Committee Chairperson	Thavinjal GP
6	Rajika	President	Sreekrishnapuram GP
7	Girija M	Development Standing Committee Chairperson	Sreekrishnapuram GP
8	Bindu K	Councilor	Mukkam Municipality
9	Saritha A	President	Karuvattoor GP
10	Sindu V P	Development Standing Committee Chairperson	Karuvattoor GP
11	Sunitha Ananthakrishnan	President	Akathethara GP
12	Manju Murali	Development Standing Committee Chairperson	Akathethara GP
13	Rathi Gopi	Welfare Standing Committee Chairperson	Muriyad GP
14	Ranjith		Mavoor GP
15	Appukuttan		Mavoor GP
16	A V Sandhya	President	Chalissery GP
17	Hussain Pulianinjalil	Development Standing Committee Member	Chalissery GP
18	Praseetha N	President	Pudussery GP
19	Saradha A	Development Standing Committee Chairperson	Pudussery GP

20	Vidhya S S	Assistant Professor	Vimal Jyothi Engineering College Kannur
21	Alan Joy	Social Work Coordinator	St.Joseph's College
22	Dr.Jayapal G	Assistant Professor	Dept.of Geography, Kannur University
23	Dr.Abdul Gafoor C V	Assistant Professor	Arabic NAM College, Kannur
24	Sebin Sunny	Assistant Professor	Sreepathy Institute of MGMT & Technology
25	Vignesh V	Assistant Professor	Ahalia School of Engineering and Technology, Palakkad
26	Dr.Rejith P P	Assistant Professor	Dept. of Physics SES College, Sreekandapuram
27	Ratheesh S	SAPM-AH	Kudumbashree State Mission, TVM
28	Ubaidulla K V	Project Associate	IIM, Kozhikode
29	Dr. Sony T L	NSS Programme Coordinator	University of Calicut
30	Savyan P V	UBA Coordinator	Govt Engineering College Sreekrishnapuram, Palakkad
31	Shameera P	Assistant Professor	MAMO College, Mukkam
32	Ansa Abraham	ICDS Supervisor	Muriyad GP
33	Krishnachandran V N	Assistant Professor	NSS College of Engineering Palakkad
34	Aparna Rajan	Assistant Professor	Govt College for Women, TVM
35	Arun Balakrishnan	Assistant Professor	Govt College of Irinjalakuda
36	Hareesh K P	Assistant Professor	Govt Victoria College, Palakkad
37	Dory Dominic	Chemist	College of Engineering, Irinjalakuda
38	Arun Augustine	Chemist	College of Engineering, Irinjalakuda

39	Sreeram R	Assistant Professor	Govt Engineering College, Wayanad
40	Dr Seetha Kokath	Assistant Professor	DRTS, Kannur University
41	Dr. Athira P	Assistant Professor & Regional Coordinator UBA	IIT Palakkad
42	Dr. Sahely Bhadra	Assistant Professor & Institute Coordinator UBA	IIT Palakkad
43	Nikhil R R	Project Coordinator UBA	IIT Palakkad
44	Dr. Rajesh K	Senior Urban Fellow	KILA
45	Smt. Vineetha M	Faculty in Women & Child Development	KILA
46	Deepak K D	Assistant Training Coordinator	KILA

ANNEXURE 2





ANNEXURE 3

Suggested lists of thematic areas

1. Agriculture, Animal Husbandry and Fisheries
2. Local Economic Development
3. Innovation and Entrepreneurship
4. Data
5. Climate and Environment
6. Water
7. Waste
8. Health
9. Education
10. Energy
11. Transportation
12. Tourism
13. Food Security

Suggested list of activities

1. Fallow land categorisation
2. Micro Irrigation
3. Waste Management

4. Green Technology
5. Animal Husbandry
6. Watershed/ River basin plan
7. Subject wise teacher training
8. Entrepreneurship models/support
9. Local history
10. Biodiversity register
11. Energy Audit
12. Water testing
13. Health register
14. Food technology
15. Drainage audit
16. Energy Conservation
17. Grama Panchayat GDP Calculation
18. Hamlet Plan/ Micro Plan preparation
19. Data Analysis
20. Office automation
21. Environment Impact Assessment
22. Climate/Disaster related initiatives
23. Trainings
24. Action Research Projects
25. Microplan, Detailed Project Report

ANNEXURE 4

Group Discussion suggested activities

1. Wayanad
 - Soil Testing
 - Elderly Care Programs
 - Man- Animal Conflict
 - Support Government Programs
2. Kannur
 - Awareness Program
 - Statistical Studies
 - MSME Development
3. Kozhikode

- Biofog related activities
- Fisheries
- Agriculture Marketing
- Soil Analysis
- Volunteering Activities
- IEC material for children
- Awareness Campaigns

4. Palakkad

- Desilting of water resources
- Agriculture Productivity enhancement
- Water bodies rejuvenation
- Well recharging
- Asset Register Preparation
- Human- Wildlife Conflict

2. Two-day training cum workshop on ‘Engagement of Higher Education Institutions in Rural Development’ at NIRDPR, Hyderabad

Mr. Nikhil R R, Project Coordinator, UBA IIT Palakkad attended the two day training cum workshop on ‘Engagement of Higher Education Institutions in Rural Development’ at NIRDPR, Hyderabad. The two day workshop discussed and presented the concept of Village Adoption, and modes of working – Saturation Approach, Sources of Funds for Gram Panchayats, Gram Panchayat Development Plan (GPDP), Saansad Adarsh Gram Yojana, Flagship Programmes of the Ministry of Agriculture & Farmers Welfare, National Rural Livelihoods Mission, Potential Areas for HEIs to involve in enhancing the effectiveness of MGNREGA, Jal Jeevan Mission etc



3. UBA 2.0 - Virtual Orientation Workshop for the Coordinators of newly joined PIs under UBA

Gandhigram Rural Institute (Deemed to be University), Gandhigram, Tamil Nadu and the National Coordinating Institute, UBA, IIT, Delhi organized a one day Virtual Orientation Workshop on UBA for the Coordinators of newly joined Participating Institutions in Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and Telangana at 10 am on 24.9.2021. The primary objective of this Virtual Programme is to enhance the capacity of the Coordinators of Participating Institutions to plan, execute and monitor the rural development projects by engaging the community in their adopted villages under UBA. The contents are; Role of Higher Educational Institutions in Sustainable Development Goals and Community Outreach, UBA 2.0: Architecture, Funding Pattern, Expected Role of Participating Institutions in Rural Development, Problem Identification, Proposal Development and Funding opportunities under UBA, Innovation, Incubation and Start-up through UBA. The expert panel of key persons of UBA-NCI and its Subject Expert Groups facilitated the workshop. RCI IIT Palakkad informed all the PIs in the region and encouraged them to participate.

UBA Coordinators of IIT Palakkad, NSS College of Engineering, SES College Sreekandapuram, Ahalia School of Engineering and Technology, MAMO College, NAM College, Vimal Jyothi Engineering College, IIM Kozhikode, Kannur University, Jawaharlal College of Engineering, Providence Women's College and Government Engineering College Palakkad attended the workshop.



4. Unnat Bharat Gram Arogya Series

Title: *"Covid-19 causes, etiology, management, community-level programmes, terminologies related to disease management and their relevance, databases, civic amenities and restrictions"*

IISER Thiruvananthapuram along with IIT Palakkad and KAU Thrissur conducted a lecture in Malayalam as part of the Unnat Bharat Gram Arogya Series as a tribute to Late. Prof. Rajendra Prasad (Founding pillar of UBA) on Tuesday, 8th June 2021.

Expert Name & Designation : Dr. Benny P V, Professor & HoD, Sree Gokulam Medical College, Thiruvananthapuram

Expert's Bytes:

- Dr. Benny has started the program by mentioning the first wave of the pandemic and how it started and where it started. He also mentioned the current test positivity rate of the state, the number of active positive cases in the state on the date. He also emphasized that Kerala's mortality rate of .38% is the lowest when it compares with other Indian states.
- The causative virus of COVID19 is SARS-CoV-2 virus. It is an enveloped RNA beta corona virus related to the Severe Acute Respiratory Syndrome (SARS) virus.
- He also mentioned the variants of concern viruses, such as the new mutated forms of Covid19 which comes under the category of this particular group and it is more contagious than the previous versions.
- There are several variants of covid19 such as Epsilon (USA variant), Zeta (Brazil), Eta (Multiple countries have reported), Theta (Philippines), Iota (USA), and Kappa (India).
- The Transmission happens predominantly through the airborne route, droplets released when the infected person coughs, sneezes or talks. It also occurs when a person touches an infected surface and then touches his or her eyes or nose or mouth.
- The incubation period, the median incubation period is 5.1 days. The period of infectivity starts 2 days prior to onset of symptoms and declines rapidly within the first week of symptom onset.
- The resource person has also mentioned about the management and clinical categorization of the virus.
- Apart from that, he also mentioned about the various facilities available in Kerala when you find out that you are affected by the virus. Those are as follows:
- Community programs: - Psychosocial support, mental health personnel including Psychiatrists, Psychiatric Social Workers, Clinical Psychologists, and Counselors are giving psycho-social support calls to persons in quarantine/ isolation.
- Destitute and homeless rehabilitation programme.
- He also mentioned about the food program started by the government of Kerala with the help of Kudumbashree and local self-government institutions. The focus of the program

is to prepare and deliver food to door to door for those under home quarantine and for the underprivileged and deserving communities.

- Also, 378134 people are registered to be a part of the Sannadha Sena (Community Volunteers). And the induction has been provided in various wings, including police and health departments in their local areas.

Questions & Answers session

Q. What are the vaccines available in India and the efficacy rate of those vaccines?

A. At present, the government has approved 3 vaccines and a few are in the pipeline. Covaxin, Covishield and Sputnik. Covaxin has 77% efficacy in phase 3 trials and if someone takes both doses of covishield will have almost 70% efficacy and sputnik offers 90% efficacy. However, recent studies show that taking any of these vaccines will be able to control or reduce the intensity of the virus in the human body.

Q. What is known about young children and whether they are carriers and can transmit the virus?

A. If there is a third wave, young children may be at a higher risk, because at present, the vaccination strategies are focusing on elder people as they are more vulnerable than children now due to comorbidity. Hence the older people are already vaccinated the children are more susceptible to the virus.

Q. What does “recovered” mean?

A. When we take the example of the United States, they are also preparing or expecting for a next wave. At present, the only option is to vaccinate the maximum number of people and observe how it's going to affect humanity, and we need to observe whether we will be able to adapt or get herd immunity or will succumb to the virus. Moreover, it is important to get vaccinated as soon as possible which will give us the capacity to dilute the intensity of the virus. Hence, the term recovery will depend on the outcome of mass vaccination.

Q. What is the possibility of reinfection after you have recovered from COVID19?

A. Considering the current statistics, the chances of reinfection is relatively less and mostly people confuse relapse of the disease as re-infection. However, the surge in the variants of virus made it difficult to suggest that the chances of reinfection is zero.

Q. Are some groups at a higher risk for severe Covid19 illness?

A. For any illness, the recovery is based on the age of the affected person. If the person has any underlying medical condition the chance of them getting affected by the virus is very high, hence they are at higher risk.

Via Cisco Webex

Clinical Severity

Clinical Severity	Clinical Parameters	Corresponding Category according to most guidelines
Mild	No breathlessness or hypoxia	A, B
Moderate	Adult: dyspnea and/or hypoxia, fever, cough, SpO2 < 94% (range 90-94%) on room air, Respiratory Rate > 24 per minute. Child: dyspnea and/or hypoxia, fever, cough, including SpO2 < 94% (range 90-94%) on room air, Respiratory Rate > 24 per minute. Fast breathing (in breath/min): < 2 months > 60, 2-11 months > 50, 1-5 years > 40.	C
Severe	Adult: Pneumonia plus one of - respiratory rate > 30 breath/min - severe respiratory distress - SpO2 < 90% on room air Child: cough/dyspnea, plus one of - central cyanosis or SpO2 < 90% - severe respiratory distress (e.g. grunting, chest indrawing) - signs of pneumonia with danger signs: (inability to breastfeed or drink, lethargy, unconsciousness, or convulsions) - Other signs of pneumonia like chest is drawing, fast breathing (in breath/min): < 2 months > 60, 2-11 months > 50, 1-5 years > 40.	C

RT
 RP
 NOUBA ITD

Benny PV | RCI ISER TVM | RCI IT Palakkad | NOUBA ITD | 5

Via Cisco Webex

COVID-19

Dr. Benny PV
MBBS, MD DPM, MHA, FRCG, FRCR, CCIDDM
Professor & HOD
Sree Gokulam Medical College

Benny PV
 RCI ISER TVM
 Dr. Hema Francis
 NOUBA ITD

Benny PV | RCI ISER TVM | Dr. Hema Francis | NOUBA ITD | 5

Unnat Bharat Abhiyan (UBA), Vijnana Bharati (VIBHA) and Center for Innovation and Bio-Design (CIBioD) PGIMER, Chandigarh together organized Second Virtual International Summit — Tech4Seva (Technology Outreach as Enabler for Inclusive, Sustainable and Affordable Healthcare) that aims to provide a platform to— academicians & scientists (working in the field of grass root innovation and adaptation of technologies) to impart knowledge and technical skills to individuals engaged indifferent sectors of innovation to address the concerns, issues and challenges of people— entrepreneurs, start-ups and organizations. The themes of Summit are Affordable Healthcare, Atmanirbhar Bharat: Promoting Applied Research in Employment and Entrepreneurship, Environment-friendly and Sustainable Technologies and Innovation & Technology for Health & Wellness. RCI IIT Palakkad informed all the PIs in the region and encouraged them to participate.



6. Poster and Video making competition

Unnat Bharat Abhiyan - NCI organised competitions on Poster making and Video making for the students of the UBA Participating Institutions. The competitions are conducted in line with focusing the UBA activities on creating awareness during the pandemic.

Themes:

- COVID-19 Awareness
- Importance of vaccination
- Importance of healthy lifestyle, yoga, meditation and ayurvedic practices
- Usage and disposal of protection items against COVID-19
- Importance of physical distancing, home isolation and medication

The details of the regional level winners are:

Poster Competition

Prize	Name of the Student	Institute Name
First	Shabna K K	Govt Engineering College, Kannur
Second	Aswin R Nath	NSS College of Engineering, Palakkad
Third	Chaithanya V	Providence Women's College, Calicut

Video Competition

Prize	Name of the Student	Institute Name
First	Haritha C K	SES College, Sreekandapuram
Second	Dilfa nasarin V M	MAMO College, Manassery
Third	Henna Jaleel P	Providence Women's College, Calicut

Cash Prizes and Certificates were disbursed to the winners as instructed by UBA NCI IIT Delhi.

Google drive link to access the competition entries:

<https://drive.google.com/drive/folders/1RkxPSKobCSkwfXFEM8z0Hr-owkbX29x5?usp=sharing>

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7. The magic of composting, Talk by Ms. Madhumita Dinesh

Event Description

IIT Palakkad UBA Cell in connection with the observation of Swachhta Pakhwada 2021 organised a talk on 'The magic of composting' with Ms. Madhumita Dinesh as the speaker and Dr. Praveena Gangadharan, Assistant Professor Civil Engineering as the moderator. The online session was conducted on 4th September 2021 on Zoom platform.

Brief: Zero-waste lifestyle. Is it possible? Maybe not completely but there are definitely a few actions that we can adopt to bring a visible change. One of them being composting of food waste at home. But why practice composting? What impact does it have? How to do composting at home? Will it work?

Speaker: Madhumita Dinesh holds a Master's degree in Graphic design in Fine Arts from Stella Maris College, Chennai. She is the founder of a social enterprise called 'Rewind' through which she works with deserving artisans from Palakkad to make upcycled products. She is also an educator who has been involved in conducting workshops for school and college students on the concept of upcycling.

Event Proceedings

Dr. Praveena Gangadharan, Assistant Professor Civil Engineering welcomed the participants and the speaker and gave a brief introduction about Ms. Madhumita.

Ms. Madhumita started her session by flagging that most of the people are aware about segregating waste and the importance of doing it. The speaker concentrated talking about the next level of waste management i.e. recycling of the wet waste. She started her presentation by explaining the different types of waste. She enumerated the problems of dumping the wet waste in the open land and the benefits of composting. The speaker then discussed in detail about the aerobic composting which she has been practicing for the last two years. She shared the images of the types of compost bins available in the local market, necessary arrangement, required additional materials, substitutes and alternatives to start composting in a household of maximum 5 members. This information helped the participants who are beginners in waste management. The speaker also briefly explained about the process of aerobic composting, the DO's and DON'Ts in aerobic composting, possible difficulties, storage of bins, duration of completion of entire compost cycle etc. She shared the available resources on the internet and social media for further research and connections.

She has done a live demonstration of her aerobic composting method and shared in detail the entire activity cycle. Later in the session, she answered the queries from the participants.

The participants appreciated and thanked the speaker for the informative and interactive session. The session was indeed fruitful with an active participation of 50+ participants.

Presentation Link: [Magic of Composting Presentation](#)

Recorded Session Link: [Magic of Composting Session](#)





Observation of Swachhta Pakhwada, 2021
Organised by IIT Palakkad UBA Cell
September 4, 2021 - Saturday, 11 am

The magic of composting!



Ms. Madhumita Dinesh

Madhumita Dinesh holds a Master's degree in Graphic design in Fine Arts from Stella Maris College, Chennai. She is the founder of a social enterprise called 'Rewind' through which she works with deserving artisans from Palakkad to make upcycled products. The idea behind the venture is to reduce- reuse and recycle the most routinely abandoned waste items such as fabric scraps, newspapers, office papers etc. They convert the waste into functional decors for household and office markets. She is also an educator who has been involved in conducting workshops for school and college students on the concept of upcycling.

Zero-waste lifestyle. Is it possible?
Maybe not completely but there are definitely a few actions that we can adopt to bring a visible change. One of them being composting of food waste at home. But **why practice composting?**
What impact does it have? How to do composting at home? Will it work? At personal level, the speaker has been practicing home composting for the past 2 and a half years successfully. The talk will share her experiences as well as resources that you may need to start composting at your homes.



Meeting Details:
Platform: Zoom
Meeting ID: 989 4717 7182
Passcode: 134410

Link: <https://zoom.us/j/98947177182?pwd=YWpqblpWXCltU9PRU9VbzIzQjBPQT09>

8. Student Engagement Programs in the Participating Institutions of the region

Status

UBA RCI IIT Palakkad conducted a survey among the UBA Participating Institutes of the region to understand the student's interest towards social initiative. A total of 669 students participated in the survey.

Main Highlights

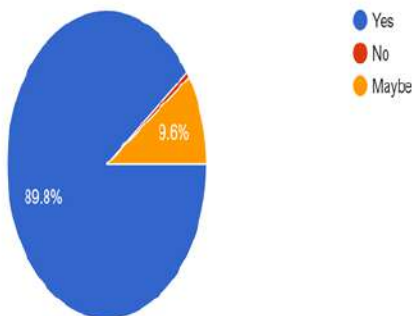
- 89.8 % of the participants are interested in participating in social development initiatives.
- 60.1% of the participants know about the Unnat Bharat Abhiyan activities in the institute.
- 93.6 % of the participants are interested in forming the Unnat Bharat Abhiyan Student club in their institute
- 63.7% of the participants are interested to connect through the social media handles for informations regarding Unnat Bharat Abhiyan

Action Plan

- The survey results will be used to plan Student Engagement Programs under Unnat Bharat Abhiyan in the region.
- Formation of UBA student clubs in the participating institutes.
- Student Engagement Programs

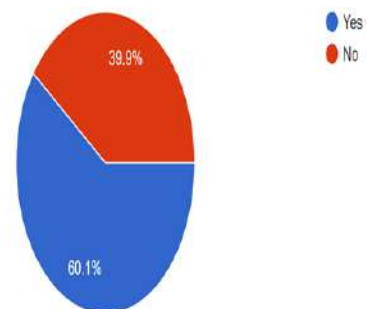
Are you interested in social development initiatives?

669 responses



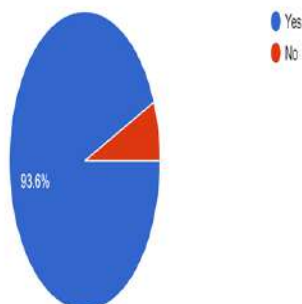
Do you know about Unnat Bharat Abhiyan Program of your Institute?

669 responses



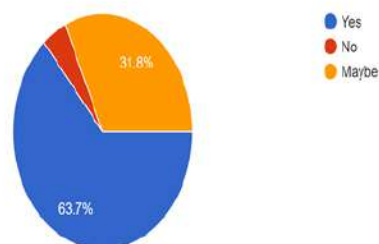
Are you interested in forming Unnat Bharat Abhiyan Student Club in your Institute?

669 responses



Do you wish to connect through the social media handles for dissemination of information regarding Unnat Bharat Abhiyan

669 responses



9. Plastics through the lens of Sustainability, Expert Talk by Mr. Swapan Kumar Ray

IIT Palakkad Unnat Bharat Abhiyan Cell organised an expert talk on Plastics through the lens of Sustainability by Mr. Swapan Kumar Ray on 06 January 2022, Thursday at 03:00 pm. The abstract of the talk is as follows:

While sustainability, as a concept, has its root in the past, the narrative has swiftly moved centerstage at the dawn of this century. The trigger had been significant changes in our ecosystems impacting all life forms. Accelerating demand for different materials to meet the needs of a more affluent and growing population is pushing societies on an apparently unsustainable trajectory. In this context, plastic paradoxically plays a benign role.

Plastics are new generation materials; a wide range with highly tune-able property profile. However, their usages are often perceived to be adversarial to the environment. This possibly is due to our limited understanding of this new generation of materials. While demand for plastic keeps rising to support the needs of a growing population with higher affluence, the waste generated has logically drawn the attention of regulators and public at large across the globe.

A related concern is the feedstocks for production of plastics. These are predominantly fossilized hydrocarbons in the form of crude oil and natural gas. The focus would be on responsible management of plastic waste and explore pathways towards circular economy which aspires to keep plastics within the system. These address the twin objective of reducing pressure on non-renewable resources to produce plastics as well as management of waste. In this session various recycling technologies and plastic waste management systems would be explored.

It was an attempt to view plastics through the lens of sustainability



IIT PALAKKAD

IIT Palakkad

Unnat Bharat Abhiyan Cell



Plastics Through The Lens of Sustainability

Expert Talk by: - Mr. Swapan Kumar Ray

06 January 2022, Thursday at 03:00 pm

Meeting details

Platform: Zoom

Meeting ID: 912 2628 0586

Passcode: 887990

Moderator

Dr. Praveena Gangadharan,

Assistant Professor

Civil Engineering

Abstract of the session

Plastics are new generation materials; a wide range with highly tune-able property profile. However, their usages are often perceived to be adversarial to the environment. This possibly is due to our limited understanding of this new generation of materials. While demand for plastic keeps rising to support the needs of a growing population with higher affluence, the waste generated has logically drawn the attention of regulators and public at large across the globe. In this session various recycling technologies and plastic waste management systems would be explored. It is an attempt to view plastics through the lens of sustainability.



Mr. S K Ray has nearly 45 years of experience in petrochemical industry managing businesses, strategic planning, long-term perspective planning, business developments, corporate affairs, and other related functions. Superannuated from Reliance Industries Limited as Sr. Executive Vice President. At present mentoring a newly formed team on sustainability.

Link: <https://zoom.us/j/93190411910?pwd=RjNobkYrc0ZSmJNcHJVak5lL1pOQT09>

Major Activities by the Participating Institutions in the region

1. Indian Institute of Technology Palakkad

1. Discussion on Waste Management activities at Pudussery Gram Panchayat

Need of the Activity: To discuss the waste management activities at Pudussery Gram Panchayat and the intervention required

BRIEF DESCRIPTION

Date: 16-11-2021

Place: Pudussery Gram Panchayat

Attendees

1. Ms. Praseetha, Pudussery Gram Panchayat President
2. Mr. Ambujakshan, Pudussery Gram Panchayat Secretary
3. Mr. Abhijith, District Coordinator, Suchitwa Mission
4. Mr. Kalyanakrishnan, District Coordinator, Haritha Kerala Mission
5. Mr. Sujith, Standing committee chairman, Welfare
6. Mr. Jayakumar, Ward member
7. Mr. Albert, Ward member
8. Mr. Manikandan, Village Extension Officer, Pudussery
9. Mr. Girish, Assistant Secretary, Pudussery Gram Panchayat
10. Mr. Nikhil R R, Project Coordinator- Unnat Bharat Abhiyan, IIT Palakkad

Agenda

Agenda of the meeting was to discuss the waste management activities at Pudussery Gram Panchayat

Proceedings

- Ms. Praseetha, Pudussery GP President informed that the Haritha Karma Sena is collecting the non-biodegradable waste from houses and establishments of Pudussery Gram Panchayat to the Material Collection Facility in front of Pudussery GP office. The waste is then segregated into different sections based on its features. The Haritha Kerala Mission proposes a training programme for the haritha karma sena volunteers of Pudussery GP.
- There is a limited facility available at the Material Collection Facility at Pudussery GP for the collection, segregation and storage. The Suchitwa Mission coordinator has informed the Gram Panchayat that there is a provision of establishing a Material Collection Facility in each village of Pudussery Gram Panchayat under Swachh Bharat Mission- Gramin. He suggested submitting a proposal for the establishment of Material Collection Facility in Pudussery East, Pudussery West and Pudussery Central villages to the Suchitwa Mission. He guaranteed quick action for the allocation of the amount after project proposal appraisal. The Pudussery GP Secretary agrees to send the proposal by this month. He also informed that the existing MCF facility will be extended under the performance grant of the Gram Panchayat.
- It was also decided to declare the Pudussery East or Pudussery Central village ODF+ by the end of this year. The necessary fulfillment of the conditions will be undertaken by the Gram Panchayat with immediate effect. It was suggested to use the performance grant for the related activities. A board meeting of the Pudussery Gram Panchayat is decided next week to discuss the future proceedings.
- Mr. Kalyana Krishnan, District Coordinator Haritha Kerala Mission suggested to complete the household survey undertaken by IIT Palakkad in Ward no: 02. He also informed that a complete analysis of the survey will be made to make Ward no: 02 a model ward. He requested IIT Palakkad to inform the availability of students for the survey. The Gram Panchayat President and Ward member ensured all the support in guiding the students for the survey.
- Ms. Praseetha informed about the bad conditions of toilets in the government LP schools of Pudussery GP. Swachh Mission Coordinator asked to submit the proposal to get a grant under Swachh Bharat Mission Gramin.

Action Plan

- Technical support and guidance in the preparation of detailed project proposals
- Waste Management Analysis survey by IIT Palakkad in ward no: 02



2. Meeting with the Advisory Council Members on Social Outreach and Unnat Bharat Abhiyan

Date: 16-12-2021

Platform: Google meet

Attendees

1. Mr. C. Balagopal
2. Mr. Arun Balakrishnan
3. Dr. Athira P
4. Dr. Sahely Bhadra
5. Mr. Nikhil R R

Agenda

To report the current status of the activities of Unnat Bharat Abhiyan and the social initiatives as well as to discuss the tentative action plan.

Minutes

Dr. Sahely Bhadra initiated the discussion by sharing the agenda of the meeting. Mr. Nikhil R R presented the updates of the activities of Unnat Bharat Abhiyan in Pudussery Grama Panchayat. He shared the status quo, identified issues, activities initiated and the prospective activities under the identified areas of intervention. The identified areas were Waste management, Water conservation, Agriculture, Education, Skill development and GIS based planning mechanism.

Mr. Arun Balakrishnan suggested identifying 3-4 activities which can be completed in the short term and asked to prioritize the activities important for the society and Grama Panchayat. He also suggested to begin large projects which can be implemented in Pudussery as a long term plan. He shared an example of how the green revolution has started in Palakkad. He has also commented that plastic recycling is a good idea and suggested a meeting with Mr. Swapan Ray, an expert in plastic recycling to guide in this regard.

Mr. C. Balagopal broadly agreed with Mr. Arun Balakrishnan's suggestions and appreciated that many activities have been initiated and advised to track the activities to assess it against the expected outcomes initially set and to focus on early outcomes. He shared his learning from his recent interventions and suggested undertaking activities which are impactful and time bound. He recommended looking into the projects which can increase the households' income. He has also suggested undertaking projects which are realistic instead of taking a project which is difficult to implement. He pointed out unless incentives either explicit or implicit are provided to

households, they are likely not interested in collaborating with the activity. He also suggested taking activities which are within the limit of the scope of the activities of IIT Palakkad. He shared a few success stories of the farmers in Palakkad district where there was a collective desire from the local community for a change and asked to come up with a project which is not defined in terms of activities, but in terms of outcomes in a year or two. He suggested selecting one geographical area for a localized solution for optimal rain water management, preventing surface water runoff, and enabling infiltration and water recharge. He also advised to follow an entrepreneurial approach in activities related to plastic collection and recycling to improve the economic aspects of households. He has asked to find meaningful interventions for rural homesteads and recommended starting projects to increase the income of homesteads through activities such as poultry. He suggested a meeting with Mr. Ajit Mathai, CEO, mByom to discuss the income generation projects of homesteads in Pudukkottai.

Dr Sahely Bhadra suggested providing skill training related to engineering for acquiring better jobs for the youths. She cited examples of ongoing training programs on Machine learning and data science in association with ASAP. She stated that the IIT Palakkad Technology IHub Foundation has also started certificate programs for diploma graduates.

Dr Athira P recollected the suggestions from the last advisory committee meeting to concentrate on few real issues where contributions can be made and stated that IIT Palakkad UBA Cell has been focusing more on water conservation and waste management in line with the suggestions from last advisory meeting. She shared the findings of the initiatives on water management and the plan for writing a proposal to construct water conservation structures in Pudukkottai GP. She also discussed the constraints regarding the implementing waste and water management initiatives. She suggested one activity of interconnecting ponds in specific areas of Pudukkottai GP where outcome can be shown. She stated that the UBA Cell would try to change the mode of activity or selection of problems.

The meeting ended fruitfully.

Suggested action points

- Meeting with Mr. Swapna Ray to discuss initiatives on plastic recycling on 18-12-2021
- Meeting with Mr. Ajit Mathai, CEO, mByom to discuss the income generation projects of homesteads in Pudukkottai on 18-12-2021
- Preparation of outcome based activity plan for 2022
- Selection of projects/activity which can show results/impact in a time bound manner.

3. Minutes of the followup meeting with Mr. Ajith Mathai, CEO mByom

Date: 18-12-2021

Platform: Google meetup

Minutes

Dr. Sahely Bhadra presented the updates and status quo of the activities of Unnat Bharat Abhiyan in Pudussery Grama Panchayat. Mr. Balagopal commented on the data on the agriculture area and productivity that frame of reference needs to be changed from aggregate area to operational units as holdings. Mr. Arun Balakrishnan remarked that non agricultural activity is predominant in this area compared to agricultural activity and Dr. Athira clarified that Pudussery Grama Panchayat is majorly an industrial area.

Mr. Ajith Mathai set the overview of his discussion based on his visit to IIT Palakkad campus and Pudussery Grama Panchayat. He felt that the Pudussery poses its own uniqueness and challenges as the Grama Panchayat has its border line with Malampuzha dam, forest and industry belt at the south. He talked about aggregation of the homestead produce, the presence of an industry ecosystem and what the opportunities are. He is interested to work with two principles- i) regenerative agriculture and circular economy and ii) triple helix model of homesteads units, local government and private enterprises. He commented that the proximity to the Malampuzha dam is an opportunity for tourism and could be built in with the strategy. To begin the activities, he suggested preparing the blue ocean strategy matrix for the wards of the Grama Panchayat, which reveals the competitive advantage of the area. Distribution of organic manures to the homesteads from the biogas units and waste treatment plants of IIT Palakkad, could promote a circular economy. As part of this, IIT Palakkad could consume eggs, chicken, vegetables etc from the locals. Doing so, IIT Palakkad could become the significant buyer of the produce and farmers in turn benefitted from the organic manure from the campus. He also shared his experience from implementing one of his initiatives called A-HOPE, an app for homestead sustainable agriculture produce procurement and e-payment for ensuring farmers in control of the value chain as much as possible. He briefly explained the triple helix model where IIT Palakkad can play the academic strand linking the industries and home enterprises, when the surrounding industries and the home enterprises outsourced from industries are mapped out. He stated that this initiative has a potential of turning 40% of income from homestead produce and 60% from homestead services such as micro production, assembly production etc.

Palakkad pass/gap is a keen place in Kerala where drying business services such as drying coir produces has also potential. He also suggested IIT Palakkad to undertake studies to strengthen the value chain of the fish economy around Pudussery and the students to create strategy canvas for each ward. Mr. Ajith commented that coir pith can transform Kerala's economy and could

explore the possibility of including coir pith in solid waste management. Mr. Ajith suggested making a sustainable plan involving students in the process.

Mr. Balagopal suggested working with Mr. Ajith to prepare a plan for the next quarter (Jan to March), and students and faculty could form teams to carry out the ward-wise resource mapping and planning. IIT Palakkad could test the initiatives such as regenerative business models mentioned above and share the knowledge to a wider community including KILA. Mr. Arun agreed to Mr. Balagopal's statement stating that the students' involvement in the beginning stage will be useful as they will own it. Mr. Balagopal commented that COVID-19 pandemic showed the importance of the local economy and exposed the brittle nature of the supply chain.

Dr. Athira replied that the suggestions are highly valuable and could look into the options such as circular economy including all households and IIT Palakkad. Mr. Balagopal added that this can become one of the unique capacity building and branding of IIT Palakkad where the graduates would be grounded professionals by exposing the context of the ecosystem around. Mr. Ajith Mathai concluded that IIT Palakkad is positioned in the gateway of Kerala and needs to play a responsible role to Kerala by leveraging the possibilities of its connectivity.

Suggested action points

- Discussion with Mr. Ajith Mathai to set out an action plan
- Discussion with Mr. Ajith Mathai and student and faculty at IIT Palakkad
- Preparation of ward wise resource mapping
- Study of the possibility of the circular economy and triple helix model and collection of relevant data.

4. Minutes of the meeting with Pudussery Grama Panchayat

Date: 27-01-2022

Platform: Google Meet

Attendees

1. Ms. Praseedha, Pudussery Grama Panchayat President
2. Mr. Ambujakshan, Pudussery Grama Panchayat Secretary
3. Mr. Ajith, Pudussery Grama Panchayat Vice President
4. Mr. Jayakumar, Ward Counselor, 02
5. Mr. Alexis, Agriculture Officer, Pudussery
6. Ms. Prasanna, Anganwadi Teacher
7. Ms. Sindhu, Anganwadi Teacher

8. Adv. Shahbaz M
9. Kudumbashree CDS Members
10. Mr. Arun Bala Krishnan
11. Mr. C Balagopal
12. Dr. Athira P, IIT Palakkad
13. Dr. Sahely Bhadra, IIT Palakkad
14. Dr. Arun Rahul, IIT Palakkad
15. Dr. Praveena Gangadharan, IIT Palakkad
16. Prof. Dr. Jagadeesh Bayry, IIT Palakkad
17. Dr. Veena Venudharan, IIT Palakkad
18. Mr. Vinu, IIT Palakkad
19. Mr. Nikhil R R, IIT Palakkad
20. Mr. Swapan Ray, ICPE
21. Mr. T. K Bandopadhyay, ICPE
22. Mr. Ajith Mathai, mByom
23. Mr. Ajith Gerald, mByom
24. Mr. Akshay, mByom

Agenda

To report the current status of the activities and to discuss the tentative action plan on Waste management in ward no: 02 of Pudussery Grama Panchayat.

Minutes

Mr. Nikhil R R, Project Coordinator UBA welcomed all the attendees and set the outline of the meeting. Dr. Athira shared the details of the initiatives planned in the area of waste management to be undertaken in ward no: 02. She explained in detail the proposed plan of awareness generation, and waste management of biodegradable and plastic waste materials. She then requested Grama Panchayat officials to share the status of waste collection, and the availability of Material Collection Facility in ward no: 02. Ms. Praseedha, Pudussery GP President, appreciated the interest of IIT Palakkad in conducting the waste management activities of Pudussery Grama Panchayat and informed that Grama Panchayat is collecting the plastics wastes from the household and is in agreement with Clean Kerala Company for the waste recovery/disposal. She also informed that Pudussery Grama Panchayat is in the process of identifying two places for the construction of Material Collection Facility in the Grama Panchayat. Ms. Praseedha enquired whether IIT Palakkad has any plan of biodegradable waste management. Dr. Athira replied that there is a possibility of bio composting of biodegradable waste in the community or household.

Mr. Swapan Ray shared that the collected plastics waste needs to be segregated properly according to its type so that the specific technology can be applied for recycling or recovery. He also suggested revenue generation opportunities from peck bottles. He extended the support of his organization in undertaking the training for segregating plastic waste.

Mr. Jayakumar, Counselor of ward: 02 shared that Haritha Karma Sena is collecting plastic wastes from the households and the collected plastic waste is segregated at the Material Collection Facility and is given to Clean Kerala Company.

Advocate Shahbaz suggested making a system to collect the plastic wastes properly from the households. Mr. Swapan Ray replied to that by saying awareness generation and provision of sufficient infrastructure for segregation will address the issue.

Mr. Arun Balakrishnan enquired about the fund availability from the Grama Panchayat in the purchase of waste bins. Mr. Jayakumar replied that there is a plan to provide bins to all households in the Pudussery Grama Panchayat but will take time for fund sourcing.

Mr. Swapan Ray reminded that the key point would be proper segregation of waste at the household level and thus the value of the waste can be increased. Mr. Arun Balakrishnan shared the possibility of funding the bin distribution in a selected geography as a pilot project. Mr. Swapan Ray expressed his support in finding a bin manufacturer and in the procurement process.

Mr. Ajith Mathai, mByom Consulting and Management Services made a presentation on Visualising Circular Economy & Triple Helix Model with IIT Palakkad. He focussed on the concept of organic waste as wealth, local economic development and Triple Helix Model. The theme of the presentation was based on 'Every Home an Enterprise'. Mr. Akshay shared the case study of Vilappilsala aHOPE Pilot Poultry Project and the Triple Helix Model Project.

Dr. Athira suggested making a proposal after consulting with Pudussery Grama Panchayat when the situation favors. Mr. Ambujakshan, Pudussery Grama Panchayat Secretary appreciated the efforts of IIT Palakkad and extended the full support from the Grama Panchayat.

Plan of Action:

1. Conduct awareness campaigns for both biodegradable and plastic waste management in Ward 2.
2. Preparation of a proposal for plastic waste management in Ward 2 of Pudussery Panchayat. The proposal aims for a sustainable plastic management system which generates revenue for the Panchayat. The current material collection area of the Panchayat will be utilized for the establishment of Material Collection Facility.

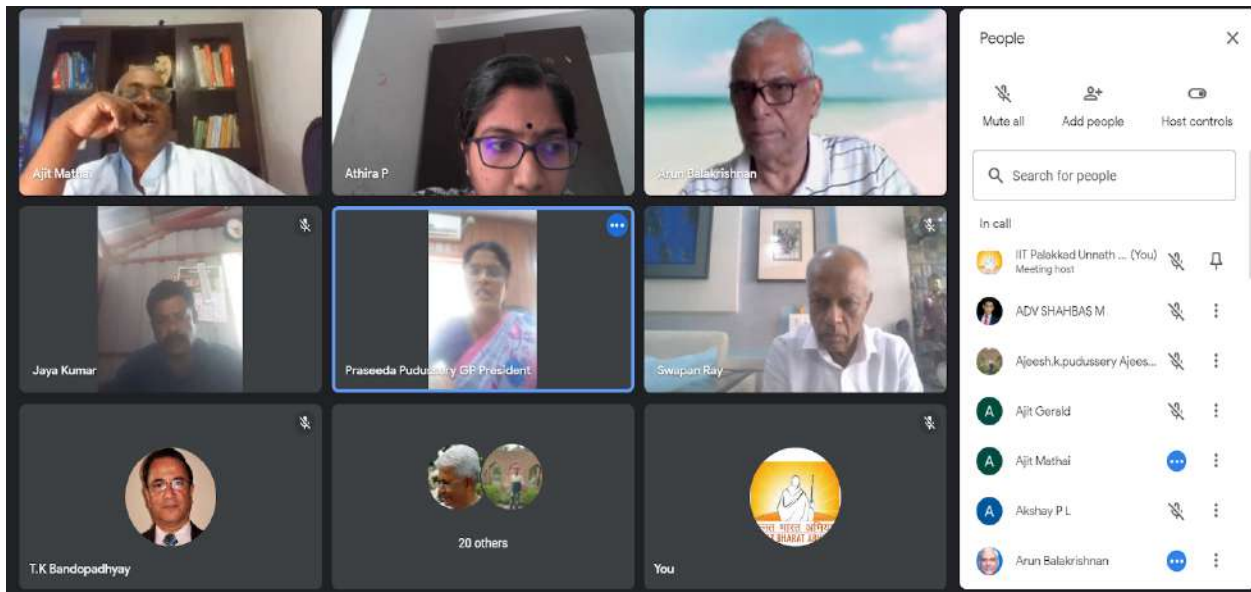
3. Plan for a visit to Panchayat along with the mByom team to develop a proposal on Circular Economy and Triple Helix. The possible areas of intervention based on yesterday's discussion are,

Circular Economy

1. Management of biodegradable waste for improved agricultural production
2. Income generation from homesteads through animal husbandry

Triple Helix (Panchayat-IIT-Industry Partners)

1. Household level assembly units of industrial products.



5. Minutes of the meeting with Prof. Ramesh Venkateswaran, Chairman Board of Governors

Date: 20-12-2021

Venue: NILA Campus, IIT Palakkad

Attendees

1. Prof. Ramesh Venkateswaran, Chairman Board of Governors
2. Prof. P. B Sunil Kumar, Director, IIT Palakkad
3. Dr. Anand T N C, Dean Student Affairs

4. Dr. Athira P, Assistant Professor and UBA Regional Coordinator
5. Dr. Sahely Bhadra, Assistant Professor and UBA Institute Coordinator
6. Mr. Nikhil R R, Project Coordinator, Unnat Bharat Abhiyan

Agenda

To report the current status of the activities and to discuss the tentative action plan of IIT Palakkad Unnat Bharat Abhiyan Cell.

Minutes

Mr. Nikhil R R presented the updates on the activities of Unnat Bharat Abhiyan in Pudukkottai Grama Panchayat. He shared the status quo, identified issues, activities initiated and the prospective activities for the identified areas of intervention.

Prof. Ramesh Venkateswaran enquired about the possibility of increasing the efficiency of Pudukkottai Grama Panchayat in the waste management process. Prof. P B Sunil kumar quoted Ms. Sharada Muralidharan, Additional Chief Secretary LSGD, regarding the hurdles involved in working directly with the Grama Panchayat and the suggestion of involving Kerala Institute of Local Administration officials associated with the Grama Panchayats for the interventions.

Prof. Ramesh Venkateswaran asked for suggestions to ensure the involvement and compliance of the people in waste management activities. Dr. Sahely Bhadra and Dr. Athira replied that as per the advice from the advisory committee, IIT Palakkad is planning to organize awareness and revenue generating activities on plastic waste management for IIT Palakkad community and also for Pudukkottai Grama Panchayat. Dr. Sahely Bhadra suggested conducting composting sessions for the households of Pudukkottai Grama Panchayat.

Prof. P. B Sunilkumar asked to identify defunct public wells/ponds and initiate activities to rejuvenate it. Prof. Ramesh Venkateswaran suggested putting a benchmark of the productivity and magnitude of the decrease/increase in productivity of the crops.

Prof. Ramesh Venkateswaran recommended identifying a village or a small geographical area and making it a model or ideal village. He also shared the prospect of scaling it up upon the successful completion of the initial model village project. Dr. Sahely Bhadra replied to the possibility of selecting ward no:02 where IIT Palakkad is located and started working on it. The attendees agreed to the recommendation and the discussion ended fruitfully.

Suggested action points

1. Identification of a ward for the model village project.
2. Preparation of the outline of the activities needs to be done.

6. Creation of selected geo-spatial open data set for Pudussery Grama Panchayat using Community Participatory Mapping.

IIT Palakkad UBA Cell organised a Community-driven mapping project for [Pudussery Gram Panchayat](#) using Open Mapping GIS Technologies, in collaboration with the [OpenStreetMap Kerala Community](#).

Discussions

1. Kick off discussion, Apr 20, 2021

A kickoff meeting with OpenStreetMap volunteers, Pudussery Gram Panchayat and IITPKD representatives was held online to formulate the working plan for the GIS mapping project in Pudussery.

2. Meeting with OpenStreetMap Volunteers, Jun 17, 2021

The second meeting with OpenStreetMap Kerala community was held in the month of June to discuss the workflow and strategy for the Armchair mapping process. The members of the OpenStreetMap demonstrated the workflow and shared the past experiences of their mapping projects in Kerala.

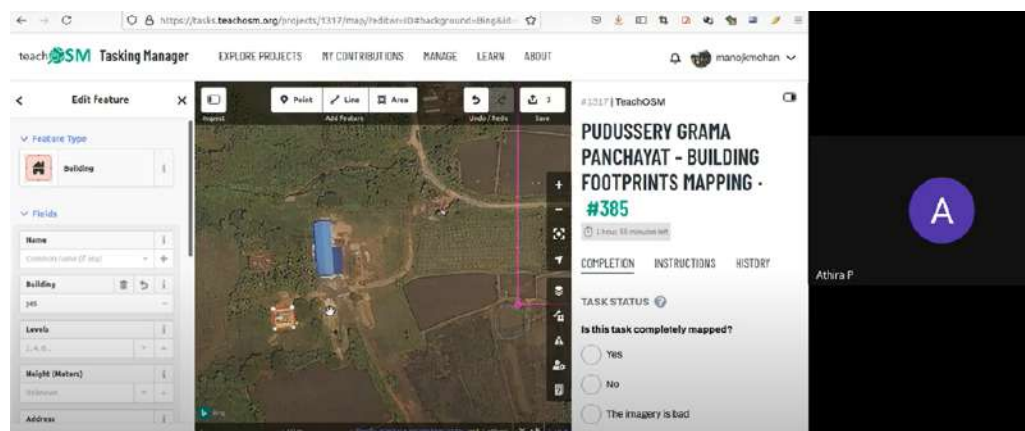
3. Training Program for the Armchair mapping event 23 Jun 20, 2021

18 students from IIT Palakkad volunteered and registered for the Armchair mapping of Pudussery Gram Panchayat. A training session was conducted in collaboration with OpenStreetMap volunteers on the OSM on 23-06-2021 explaining the basics and the steps to follow to do the mapping. The main topics covered in the training session are as follows:

- Introduction to OpenStreetMap

<https://en.wikipedia.org/wiki/OpenStreetMap>

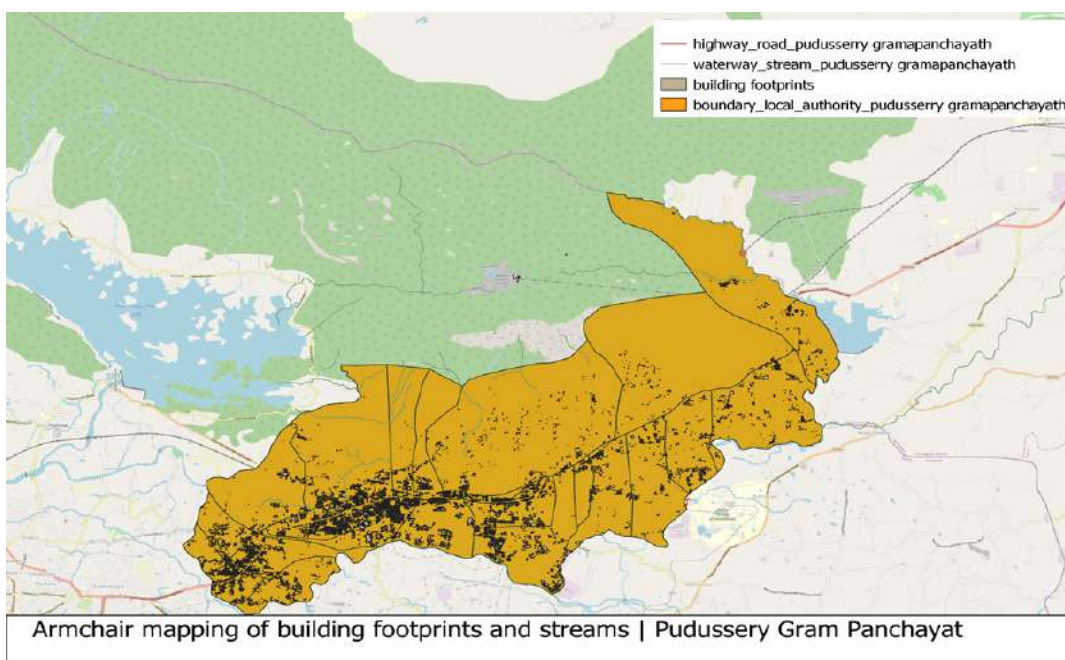
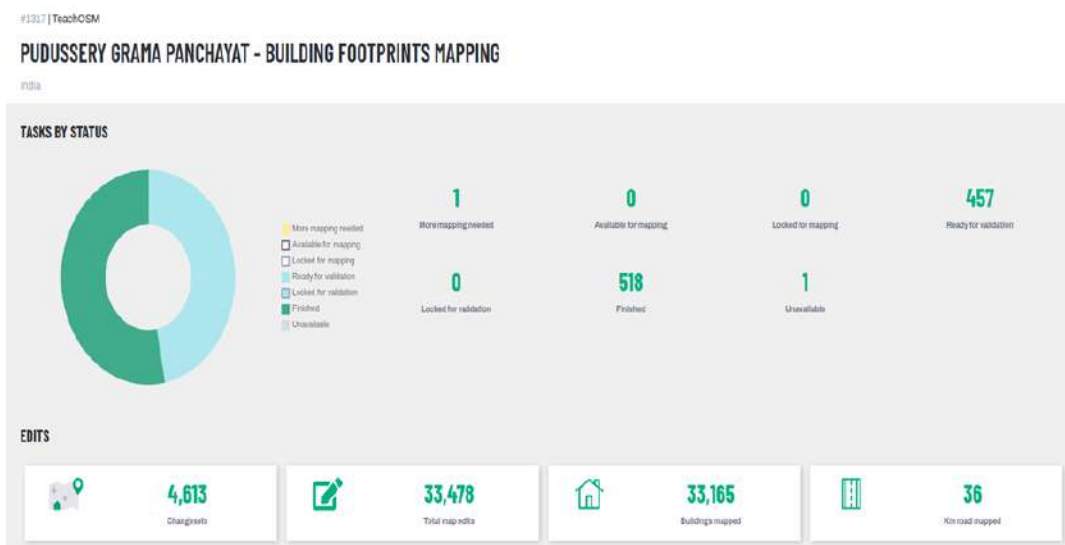
- GIS and Remote sensing
- Basic training on OSM and Tagging Scheme
- Summarising Data/Event



4. Armchair Mapping of Pudussery Gram Panchayat

Armchair mapping (also known as remote mapping) means contributing to OpenStreetMap without leaving your chair. Armchair mapping contributions do not involve a surveying phase where the user physically visits the place they are mapping. Without this, armchair mapping workflows will typically cover a larger area more rapidly, but with disadvantages in terms of data accuracy, detail, and community building.

A total of 18 student volunteers took part in the armchair exercise. The project prioritised mapping of Building Footprints within the Panchayat boundary as its first step in the mapping process. As a result of this, the volunteers made 4613 change-sets, mapped 33165 buildings totaling 33478 map edits.



5. Workshop cum orientation for the ward members and resource persons of Pudussery Grama Panchayat, 5 & 6 March 2022

An workshop cum orientation program was conducted at NILA Campus on 05 & 06 March 2022 to plan and discuss the plan of action for the field level activities. The Pudussery Panchayat officials, Resource Persons, OpenStreetMap Volunteers attended the workshop. The workshop oriented the Grama Panchayat representatives, Resource persons regarding the geo spatial data collection in OpenStreetMap platform.



6. Field level data collection for the creation of selected open geo spatial data sets, March 11- Mar 29, 2022

The field data collection was conducted based on the following checklists

- Ward Boundary
- Road - (NH,SH,MDR, Important Panchayath Roads, Bridge, Bust Stop, Auto/Taxi) -
- Water - (Pond, Stream,Reservoir, Panchayath Well, drinking water project ,canal)
- Land Use - (Paddy, Coconut, Vegetable, Teak, Forest, Industrial, Quarry)
- Building - Public Govt Institutions, Industries Large, Bank, Health & Veterinary, School, PDS, Religious, Forest, Petrol Pump, Public Toilets, Toddy/Bar, Janakeya Hotel, Take a Break, Milk Society, Village Office, Community Hall)
- Electrical - Transformer, Mobile Tower, Substation, Solar, Wind

The teams were divided into groups and did field level activities in all the 23 wards along with the resource persons of each ward.





Participants

Palazhi Udayakumar, Ward Member 01	Krishnanunni M, Ward Member 18	Selvan, Resource Person Ward 15
Jayakumar C, Ward Member 02	Ajish K (Vice President) 19	Rathi, Resource Person Ward 17
Nisha C V, Ward Member 03	Sardha A (Development Standing Committee Chairperson)	Shibu das, Resource Person Ward 18
Priya V, Ward Member 04	Rajeshwari C K, Ward Member 22	Muralidharan, Resource Person Ward 19
P B Girish, Ward Member 05	Geetha S (Health, Education development Chairperson)	Praveen, Resource Person Ward 20
K Siddharthan, Ward Member 06	Shahabaz, Resource Person Ward 2	Sreenath, Resource Person Ward 21
Albert S, Ward Member 07	Anoop P, Resource Person Ward 1	Nitya Mol, Resource Person Ward 22
Ananthi P, Ward Member 08	K Kannan, Resource Person Ward 3	Jayan K, Resource Person Ward 23
Sanoop S, Ward Member 09	Unni, Resource Person Ward 4	Sajeev, Venoli Padashekaram
Praseedha N (President)	Sasikala, Resource Person Ward 6	Gopikrishnan, Pudussery Padashekaram
Sunitha Raveendran, Ward Member 11	Prajitha, Resource Person Ward 8	Pavithran, Sooryachira Padashekaram
Bindhu C S, Ward Member 12	Joseph, Resource Person Ward 9	Annamala, Puthurpadam Padashekaram
Minmini R, Ward Member 13	Jiji, Resource Person Ward 9	Muralidharan, Kolayakode Padashekaram

Sujith P (Welfare Standing Committee Chairman)	Muniyamma, Resource Person Ward 10	Sivadasan, Kogattupadam Padashekaram
Jonsi C J, Ward Member 14	Karunan, Resource Person Ward 11	Mani, Kanjikode Padashekaram
N. Shanmughan, Ward Member 15	Prasanna, Resource Person Ward 12	Prabhakaran, Chellankavu Padashekaram
Subhash M, Ward Member 16	Murukanandan, Resource Person Ward 13	Chakrapani, Valiyeri Padashekaram
Jayashree S, Ward Member 17	Akhil P, Resource Person Ward 14	Amaldas, Kadukampallam Padashekaram
Sahedevan, Chullimada Padashekaram	Xavier, Kulinkad Padashekaram	Mujeeb Rahman k
Jayakanthan, Konamputhur Padashekaram	Ambujakshan, Secretary, Pudussery GP	Muhammed Yaseen S S
Haridas, Madathukaranchalla Padashekaram	Alexis, Agriculture Officer, Pudussery GP	Arjun Gangadharan
Aravindakshan, Nelissery Padashekaram	Manju TA, Pudussery GP	Manoj K
Babu, Attapallam Padashekaram	Dr. Athira P, IIT Palakkad	Jinoy Tom Jacob
Devadasan, East Attapallam Padashekaram	Dr. Sahely Bhadra, IIT Palakkad	Jothish babu
Karuppaswamy, Puthanchalla Padashekaram	Biju K, IIT Palakkad	Kelvin
Rajakrishnaswamy, Canalpirivu Padashekaram	Sumesh, IIT Palakkad	Vishnu shaji
Hridayaswamy, Attupathy Padashekaram	Nikhil R R, IIT Palakkad	Rajaneesh
Chinnaswamy, Poolampara Padashekaram	Dr. Akshay Dinesh	Sanu Raj
		Anoop

Web Interface for the project: <https://ogd.iitpkd.ac.in/>

2. Indian Institute of Management, Kozhikode

Major Activities/Initiatives Carried out during 2021-2022

The major activities / initiative of UBA Cell, IIMK during the financial year 2021-2022 are as follows;

4.1 Inauguration of UBA IIMK E-learning Hub & Digital Library at Mavoor

E-Learning hub & Digital Library, the initiative of UBA Cell, IIMK, has been successfully inaugurated by Hon. Member of Parliament for Kozhikode, Mr MK Raghavan on

01.10.2021. The President, Mavoor GP, Mr Ummer Master, presided over the event. The chief guests are Prof Anubha Shekhar, Coordinator, UBA Cell, IIMK and Mr Appasaheb Naikal, Librarian, IIMK. Panchayat Secretary read the report. Standing Committee Chairpersons, other Ward Members, Agricultural Officer, Panchayat Librarian, BRC Program Coordinator, CDS Chairperson, and the major political party representatives have also addressed. The program has been conducted in selected people by keeping all Covid protocols. However, the event has been broadcast live on Youtube to other stakeholders and villagers. Prof Anubha Shekhar has officially handed over the ELH files to the Panchayat Vice Chairperson, Ms Jayasree Divyaprakash. President, Mavoor GP, Mr Ummer Master, gave the petition to Prof Anubha requesting the Training Programme for People Representatives of Mavoor GP by IIMK experts. M.P. seconded the request. Mr MK Raghavan, MP pointed out that this pilot project shall be spread into all villages and support from MP office is assured. He also said that IIMK shall create a booklet on this facilities and has to disseminate to the common villagers as nobody in the village shall be left unaware of this facility. He also shared his hope that this project will bring up a special place in the development of Mavoor. Prof Anubha Shekhar explained every tiny detail of the project and how it works. She demonstrated the use of some facilities and E-Resources made available by IIMK for this project. She expresses her hope for this project where shall be a model for other villages. Future support from UBA Cell is also assured. Mr Appasaheb Naikal, Librarian, IIMK, revisited his childhood and how the reading habit is helpful for life. IIMK library extends all support to enable the future development of this project as well as to structure the present library with the help of software and other technical support from IIMK. The event has covered by journalists from the major press.





Indian Institute of Management Kozhikode
Globalizing Indian Thought

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Date: 06 October 2021
Newspaper : Mathrubhumi, Page 13

ഇ-ലേണിങ് ഫബ്ബും ഡിജിറ്റൽ ലൈബ്രറിയും തുടങ്ങി

ഐ.എം.കെ.യിൻ്റെ സഹായത്തോടെ മാവൂരിൽ ഇ-ലേണിങ്ങ് ഫബ്ബും ഡിജിറ്റൽ ലൈബ്രറിയും തുടങ്ങി.

മാവൂർ പോലീസ് സ്റ്റേഷനു സമീപം മാവൂർ ഗ്രാമപഞ്ചായത്ത് കോഴിക്കോട് ഐ.എം.കെ.യിൻ്റെ സഹകരണത്തോടെ ഇന്നു രാവേ അവിടേ പങ്കെടുത്തുകൊണ്ടു തുടങ്ങിയ ഇ-ലേണിങ് ഫബ്ബും ഡിജിറ്റൽ ലൈബ്രറിയും ഉദ്ഘാടനം ഐ.പി. ഉദ്യോഗസ്ഥർ ഉദ്ഘാടനം ചെയ്തു.

ഇ.എം.കെ. കോ-ഓർഡിനേറ്റർ പ്രൊഫസർ അനൂപ് ശർമ്മ, ഗ്രാമപഞ്ചായത്ത് സെക്രട്ടറി എം. ബി.ജെ.എ. വൈസ് പ്രസിഡൻ്റ് ജയപ്രകാശ്, അസിസ്റ്റന്റ് വിജ്ഞാപന ഡയറക്ടർ ഐ.എം.കെ.യിൻ്റെ സഹായത്തോടെ ഇ-ലേണിങ് ഫബ്ബും ഡിജിറ്റൽ ലൈബ്രറിയും തുടങ്ങി.

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Indian Institute of Management Kozhikode
Globalizing Indian Thought

#IIMKinMedia

Date: October 04, 2021
Newspaper : Chandrika, Page 02

വിവര സാങ്കേതികവിദ്യയിൽ വികസനം മാവൂരിൽ ഇ-ലേണിങ് ഫബ്ബും തുടങ്ങി

ഐ.എം.കെ.യിൻ്റെ സഹായത്തോടെ മാവൂർ പോലീസ് സ്റ്റേഷൻ

മാവൂർ പോലീസ് സ്റ്റേഷൻ സമീപം മാവൂർ ഗ്രാമപഞ്ചായത്ത് കോഴിക്കോട് ഐ.എം.കെ.യിൻ്റെ സഹകരണത്തോടെ ഇന്നു രാവേ അവിടേ പങ്കെടുത്തുകൊണ്ടു തുടങ്ങിയ ഇ-ലേണിങ് ഫബ്ബും ഡിജിറ്റൽ ലൈബ്രറിയും ഉദ്ഘാടനം ഐ.പി. ഉദ്യോഗസ്ഥർ ഉദ്ഘാടനം ചെയ്തു.

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Indian Institute of Management Kozhikode
Globalizing Indian Thought

#IIMKinMedia

Date: October 04, 2021
Newspaper : Suprabatham, Page 04

ഇ-ലേണിങ് ഫബ്ബും ഡിജിറ്റൽ ലൈബ്രറിയും തുടങ്ങി

മാവൂർ പോലീസ് സ്റ്റേഷൻ സമീപം മാവൂർ ഗ്രാമപഞ്ചായത്ത് കോഴിക്കോട് ഐ.എം.കെ.യിൻ്റെ സഹകരണത്തോടെ ഇന്നു രാവേ അവിടേ പങ്കെടുത്തുകൊണ്ടു തുടങ്ങിയ ഇ-ലേണിങ് ഫബ്ബും ഡിജിറ്റൽ ലൈബ്രറിയും ഉദ്ഘാടനം ഐ.പി. ഉദ്യോഗസ്ഥർ ഉദ്ഘാടനം ചെയ്തു.

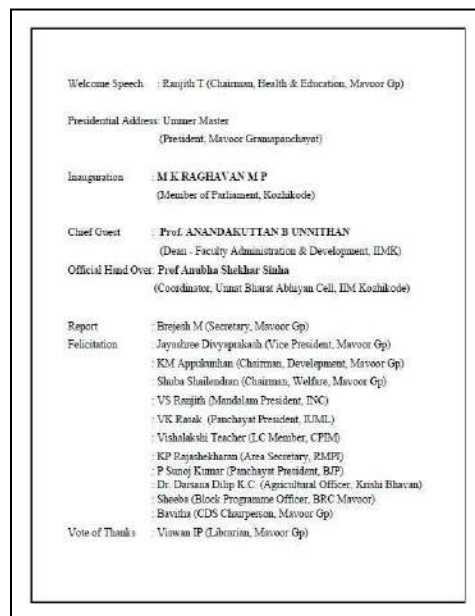
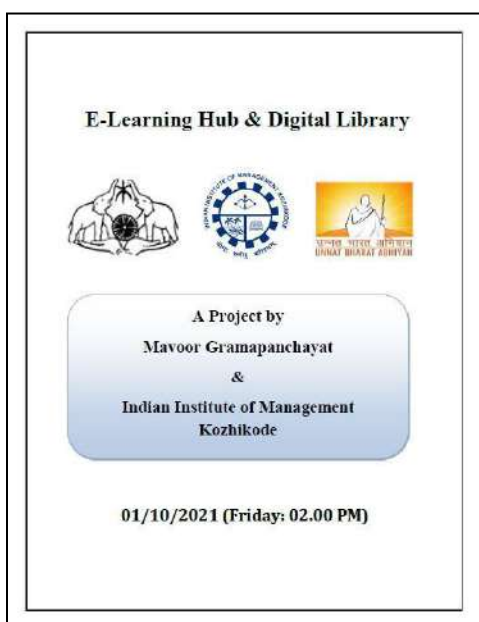
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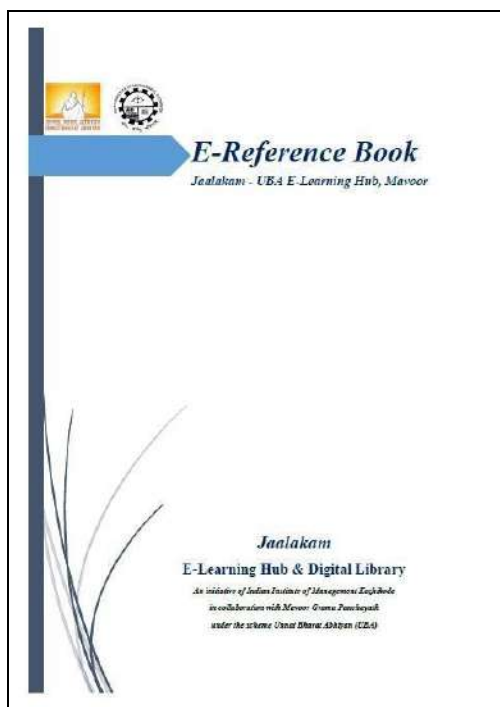
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Photos & News Reports - Inauguration of E-Learning Hub & Digital Library, Mavoor on 01.10.2021

4.2 Resource Creation for UBA IIMK E-learning Hub at Mavoor

The UBA Cell has IIMK involved in creating resources for the E-Learning Hub & Digital Library, in the light of the intention that the Hub should run successfully for the benefit of villagers. The first focus was to create a link exclusively for the Hub to connect the various E-Resources and digital library access, including IIMK Library for the villagers. It was created with the help of the Library, IIMK. UBA Coordinator Prof Anubha Shekhar had several discussions with Librarian, and System Manager, IIMK, regarding the same. The second thing is to create an E-Reference Book for the Hub where a villager finds each detail of each department of Central and State Governments, contact details of key persons in the each Ministry & departments, various schemes available under each department or ministry, etc. As a result of the herculean task of collecting all the data regarding the same, UBA Cell created an E-Reference Book comprised of 140 pages successfully. The third focus is on creating a program module for running the Hub seamlessly for the next three months. This also has been successfully completed with the help of various departments & institutions in the Panchayat. For the same, UBA Cell had several meetings with the authorities of Schools, Block Resource Centre, Krishi Bhavan, etc., in the Mavoor Panchayat. Initially, the module is for the next three months till December 2021 and will be updated in December for another three months and go on. Hopefully, these efforts will help the Panchayat & UBA Cell to run the Hub smoothly.





Block Resource Centre, Mavoor		
Programme Module for October – December 2021		
E-Learning Hub, Mavoor		
The schedule of programmes conducted by Block Resource Centre, Mavoor, with the help of the E-Learning Hub, for the first tri-month from October to December is listed below. (Note: This is the translated version of the last page of the document 'E-Learning Hub' sent by Mavoor Grama Panchayat.)		
Sl. No.	Name of School/ Institute	Programme
October 2021		
1	GLP School, Mavoor	- Small Experiments - Folk Songs - Arabic Activities
2	BRC Mavoor	'Mother Hand' (Work Experience Workshop for Mothers)
3	Gov. HSS, Mavoor	Mathematics and the Environment (Students' Presentation)
November 2021		
1	GMUP School, Mavoor	- Small Experiments – UP - Teaching Learning Material - UP
2	BRC Mavoor	Health & Sports Education - Small Exercise - Aerobics
3	Gov. UP School, Manakkad	- Science Experiments - Mathematics – Working Model Presentation
December 2021		
1	BRC Mavoor	- Folk Songs – Workshop - Introduction to various Music Instruments 'Rasakrushaka' (Arts Programme for PWD Students)
2	Gov. HSS, Mavoor	Seminar – Chemistry in the Kitchen

Program Notice & Resource Creation for the E-Learning Hub, Mavoor

4.3 Programs and Follow-up -UBA IIMK E-learning Hub & Digital Library

After the successful launch of the E-Learning Hub & Digital Library, Mavoor, the scheduled program from the module has started to run at the Hub. The first program was conducted by Krishi Bhavan on 'Banana Cultivation: Good Agricultural Practices. In the next week, Krishi Bhavan has also conducted a training session on BPKP Project, where a talk on organic pesticides has also been conducted.

While the programs are running at E-Learning Hub, Hon. M.P. Shri M K Raghavan invited Prof Anubha Shekhar, Coordinator, UBA Cell, IIMK, to meet at MP Office. He is interested in this project and wants to spread this into other 28 villages under his constituency. He inquired about the project in detail and discussed how UBA Cell, IIMK can involve in his project. It was an introductory meeting, and Prof Anubha will meet him again.



Photos – Various programs running at E-Learning Hub & Digital Library, Mavoor

4.4 Rural Immersion of IIMK Students – Planning and Preparation

Making Village Development Plan (VDP) is the baseline activity of Unnat Bharat Abhiyan. But it has been stalled due to lockdowns and Covid restrictions. Since the relaxes in Covid restrictions, UBA Cell IIMK planned to send PGPLSM students to five adopted villages for the detailed study to make VDP. A total of 40 students are grouped seven and allotted each village. They will visit the village and its allied institutions to collect the data and compile it for VDP. Prof Anubha Shekhar has delivered orientation and class on qualitative research. Each group will visit a village twice. The scheduled dates are 30.10.2021, 04.11.2021, 05.11.2021 and 25.11.2021. Proper Covid precautions will be taken, and RTPCR tests will be conducted before and after the visit. The UBA Cell pre-visited several times to each office in each panchayat and intimated their visit. Such as CDS Office, LSGD Office, MGNREGS Office, VEO Office, Krishi Bhavan, PHC/FHC/CHC, KSEB Office, PWD Office, ICDS Office, Village Office, KSFE Branch, KWA Office, BRC Office and schools. UBA Cell, IIMK Requested their cooperation. Students will also meet villagers on their second visit. UBA Cell has also addressed board meetings of the panchayats to take prior permission, intimate the Board Members, and coordinate the process. The panchayat Board assigned a village guide to assist the students the whole day while they visited the village. A staff from IIMK will also accompany the students. Transport and other arrangements have been made in advance with the help of Transport & PGP Offices of IIMK.

The first-day visit had held on 30th October 2021 and was completed successfully.





4.5 Rural Immersion of IIMK Students – Completed

In continuation to the last month, PGPLSM students of IIM Kozhikode have completed the Rural Immersion process by 25th November 2021. Seven groups have visited five adopted villages twice. Before students visit, UBA Cell has visited each village several times to assure the proper support from the Panchayat and its allied institutions. Day 2, Day 3, and Day 4 visits were held on 04.11.2021, 05.11.2021 and 25.11.2021. Students visited the offices and discussed with the office in charge to get a detailed picture of their area of work. They visited LSGD Office, CDS Office, MGNREGS Office, VEO Office, Krishi Bhavan, PHC/FHC/CHC, KSEB Office, PWD Office, ICDS Office, Village Office, KSFE Branch, KWA Office, BRC Office and schools. In the second visit. Students met villagers in an unstructured way. They had talks with various sections of society. They also visited SC/ST residential area, MGNRES worksite, farms, river protection committee, Anganwadis, Kudumbasree meetings, industrial area, etc. Some

groups could conduct Focus Group Discussions with villagers where they got the problems faced by the villagers and their proposed solutions. Students have also met the Board Members of the panchayats, clarified their doubts, and collected their viewpoints in the concluding meeting. After the successful visits, students started to compile the data to make a Village Development Plan.







4.6 UBA Household Survey – Completed in five villages

The Household Survey is a mandatory requirement as part of UBA baseline activities. It had been stalled due to the pandemic and Covid restrictions. Kudumbashree CDS were in charge of undertaking the 200 numbers of the survey at each village. The survey was delayed due to several unavoidable reasons and restrictions; however, as a result of continuous field efforts taken by UBA Cell, IIMK, the survey process at all adopted villages, viz. Kuttikkattoor, Mavoor, Puthuppadi, Puthur and Narikkuni has completed now.

4.7 Preparation of UBA Village Development Plan

The Village Development Plan (VDP) is a comprehensive report of various factors for the development of an adopted village. Each Participating Institute has to make VDP for each adopted village. UBA Cell, IIMK has prepared VDP for Kuttikkattoor, Mavoor, Puthuppadi, Puthur and Narikkuni. Earlier, Covid restrictions delayed the process. However, UBA Cell took the initiative to conduct the field study and prepare VDPs when restrictions are lowered. To prepare the VDP, UBA Cell and students of IIMK visited the villages several times and studied the ground reality of the village. IIMK has set up a separate Rural Immersion Program to make students experience the reality of villages. It was conducted successfully in October – November 2021, and students tried to sketch the facts while preparing the VDPs. They visited almost all the allied institutions of Panchayat and some villagers to understand the developmental needs of the villages. They also analysed the quantitative data from the UBA Household Survey and included them in the VDPs. Hence, the combination of qualitative and quantitative data that UBA Cell has collected helped the students to make the VDP more specific.

3. Vimal Jyothi Engineering College, Chemperi, Kerala

UBA Coordinator's Name: Vidhya S S

Email: vidhyasud@vjec.ac.in

Phone Number: 9496666700

	ADOPTED VILLAGES	TALUK(Block)	DISTRICT
1	Eruvessi	Irikkur	Kannur
2	Naduvil		
3	Alakode		
4	Sreekandapuram	Taliparamba	
5	Paisakari		

List of Activities:

ACTIVITY 1:

Title of the Activity: Green Campus Clean Campus campaign

Need of the Activity:

We believe that a clean, green, and pollution-free environment provides a pristine backdrop for an effective learning experience. We have taken up an initiative to keep the campus clean by distributing a ring composter system to the schools in the villages.

Brief Description

As part of the campaign, we have conducted a meeting with the panchayat president, principals of schools, and college officials. The ring composter is officially handed over to the school officials in that meeting. The meeting was addressed by management representatives and the panchayat president.





ഗ്രീൻ കാമ്പസ്, ക്ലീൻ കാമ്പസ് കാമ്പയിനിന്റെ ഭാഗമായി വിതരണം ചെയ്യുന്ന വേസ്റ്റ് മാനേജ്മെന്റ് സിസ്റ്റം ചെയമ്പേരി നിർമ്മല ഹയർ സെക്കൻഡറി സ്കൂൾ പ്രിൻസിപ്പൽ സി.ഡി. സജീവിന് കൈമാറിക്കൊണ്ട് പഞ്ചായത്ത് പ്രസിഡന്റ് ടെസി ഇമ്മാനുവൽ ഉദ്ഘാടനം ചെയ്യുന്നു. വിമൽജ്യോതി എൻജിനീയറിംഗ് കോളജ് ബർസാർ റവ. ഡോ. ലാസർ വരമ്പകത്ത് സമീപം.

വേസ്റ്റ് മാനേജ്മെന്റ് സിസ്റ്റം കൈമാറി

ചെയമ്പേരി: വിമൽജ്യോതി എൻജിനീയറിംഗ് കോളജ് ഉന്നത് ഭാരത് അഭിയാൻ സെല്ലിന്റെയും എൻ എസ്എസ് യൂണിറ്റിന്റെയും സംയുക്താഭിമുഖ്യത്തിൽ സ്കൂളുകളിലും സ്ഥാപനങ്ങളിലും ഗ്രീൻ കാമ്പസ്, ക്ലീൻ കാമ്പസ് കാമ്പയിനിന്റെ ഭാഗമായി വിതരണം ചെയ്യുന്ന വേസ്റ്റ് മാനേജ്മെന്റ് സിസ്റ്റം ഏതുവേശി പഞ്ചായത്തിനു കൈമാറി. പഞ്ചായത്തിലെ എല്ലാ സ്കൂളുകളിലും സ്ഥാപനങ്ങളിലും സിസ്റ്റം വിതരണം ചെയ്യും. ചെയമ്പേരി നിർമ്മല ഹയർ സെക്കൻഡറി സ്കൂൾ പ്രിൻസി

പ്പൽ സി.ഡി. സജീവിന് വെയ്സ്റ്റ് മാനേജ്മെന്റ് സിസ്റ്റം കൈമാറി കൊണ്ട് പഞ്ചായത്ത് പ്രസിഡന്റ് ടെസി ഇമ്മാനുവൽ ഉദ്ഘാടനം ചെയ്തു. വിമൽജ്യോതി എൻജിനീയറിംഗ് കോളജ് ബർസാർ റവ. ഡോ. ലാസർ വരമ്പകത്ത് അധ്യക്ഷത വഹിച്ചു. പഞ്ചായത്തംഗം പൗളിൻ കാവനാടി, ജയശ്രീ ശ്രീധരൻ, എൻഎസ്എസ് യൂണിറ്റ് കോ-ഓർഡിനേറ്റർ പ്രഫ. വാസുദേവൻ നായർ, യൂബി എ കോ-ഓർഡിനേറ്റർ പ്രഫ. എസ്. വിദ്യ, സിബി പുനക്കുഴി എന്നിവർ പ്രസംഗിച്ചു.

ACTIVITY 2:

Title of the Activity: Pen booths assembling and distribution

Need of the Activity:

Most of us use ball pens and just throw them out after use or sometimes in the middle if we can't write smoothly with them. The problem is its disposable nature because of its cheap price. Plastic pens are a part of the throw-away culture that we have been developing unknowingly over the last several years. About hundreds of Billion pens find their way to landfills or water bodies every year, causing environmental pollution.

Brief Description (Need/Impact/Action/Picture (if any)):

We took the initiative to place pen booths in every class room to collect these unused pens instead of throwing them on the campus.



ACTIVITY 3:

Title of the Activity: Covid Buster

Need of the Activity: We use the procedure to test the body temperature of the students/ people as a screening test for COVID- 19. One method to measure a person's surface temperature is the use of "no-touch" or non-contact temperature assessment devices.

Brief Description (Need/Impact/Action/Picture (if any)):

We developed a low cost IoT based device to measure the temperature and record the same in the cloud. This can be installed in the schools/ hospitals in the villages to avoid direct human intervention from the temperature screening process.



ACTIVITY 4:

Grama Panchayath meeting held on the month of January 2022

Brief Description:

The meeting is chaired by the panchayat president in the presence of panchayat officials and villagers. The COVID 19 pandemic effect in the village community and its recovery measures were discussed in the meeting. The meeting was held in the college campus auditorium.



ACTIVITY 5:

As an initiative to promote self-employment, we distributed puttu making machines to the kudumbasree hotel in Eruvessi panchayath.



Proposed action plan for the current financial year (April 2022- March 2023)

Sr. No.	Activity to be conducted(along with reason)
1	The major source of income in Eruvessi is rubber production. So for making this raw material a marketable product we made an initiative to Install Glove making machines in the village.
2	Most of the villagers are farmers, so we are planning to conduct digital literacy for farmers to make use of Kisan-related applications.
3	Awareness about self-employment opportunities.
4	In order to increase livelihood opportunities and ensure women economic empowerment among the villagers, women farming activities should be encouraged especially at every household level. As an initiative towards this, we are planning to distribute low-cost incubators to improve Poultry farming.
5	Promotion and development of Agriculture and horticulture to sustain village economy.

4. AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY

UBA Coordinator's Name: Preeja V

Email: preeja.v@ahalia.ac.in

Phone Number : 7559075532

	ADOPTED VILLAGES	TALUK(Block)	DISTRICT
1	Elappully-II	Chittur	Palakkad
2	Muthalamada-I		
3	Peruvemba		
4	Pallassana		
5	Muthalamada-II		

List of Activities:

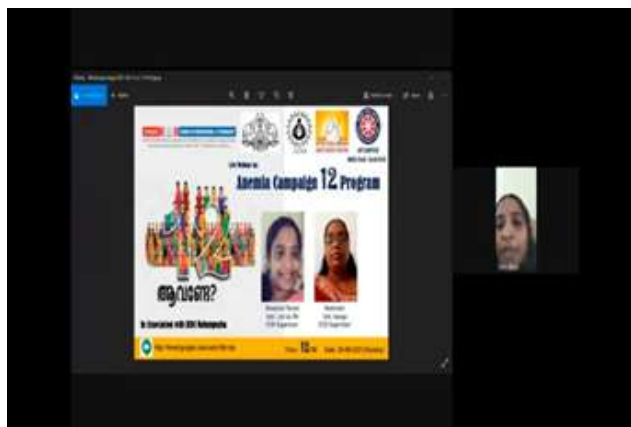
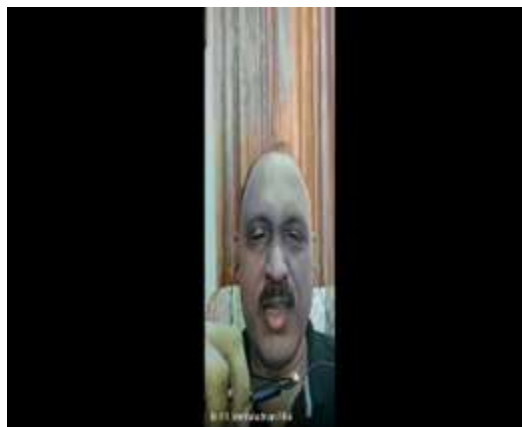
ACTIVITY 1:

Title of the Activity: Anemia-12 Campaign

Need of the Activity: Health Awareness

The Unnat Bharat Abhiyan cell and National Service Scheme Unit of Ahalia School of Engineering and Technology organized a Health Awareness Webinar - "Anemia 12 Campaign Program" in association with ICDS, Malampuzha Block, on 20.06.2021 (Sunday) from 12 PM to 1 PM through Google Meet. Swetha.S (UBA Volunteer) delivered the Welcome Speech. After that Dr. P.R.Sreemahadevan Pillai(Principal-ASSET and Director-Ahalia Group of Academic Institutions) delivered the Presidential Address. After that the session was handed over to the ICDS Supervisors. At first, Smt. Latha C.R(ICDS District Programme Officer-Palakkad) addressed the gathering. Then the awareness session was led by the presentation of Resource person Smt.Limi Lal T M(ICDS Supervisor) and Moderator Smt.Vanaja(ICDS Supervisor). After the session Ashwin.U(NSS Volunteer) delivered the Vote of Thanks. The session ended with the National Anthem. 82 Volunteers from NSS and UBA participated in the program.

YouTube Link: <https://youtu.be/ZRyfn7slQYI>



ACTIVITY 2:

Title of the Activity: Pencil Drawing Competition

Need of the Activity: To know how Covid 19 impacted students physical and mental health and their education and personal lives

Brief Description (Need/Impact/Action/Picture (if any)):

The Unnat Bharat Abhiyan Cell of Ahalia School of Engineering and Technology conducted a pencil drawing competition on the topic 'World War with Corona' on 25 June 2021. The competition was conducted in online mode. 31 students from various institutions inside and outside Kerala participated in the competition. The students did an excellent performance by expressing their ideas and emotions for fighting against corona. Winners were awarded and e-certificates were given to all participants.

First prize – Hiba Fathima S., Ahalia School of Pharmacy.

Second prize – Lafa Shibin C. A., Ahalia School of Engineering and Technology,

Third prize – Hemakshi, Ramjas School, Anand Parvat, New Delhi



ACTIVITY 3:

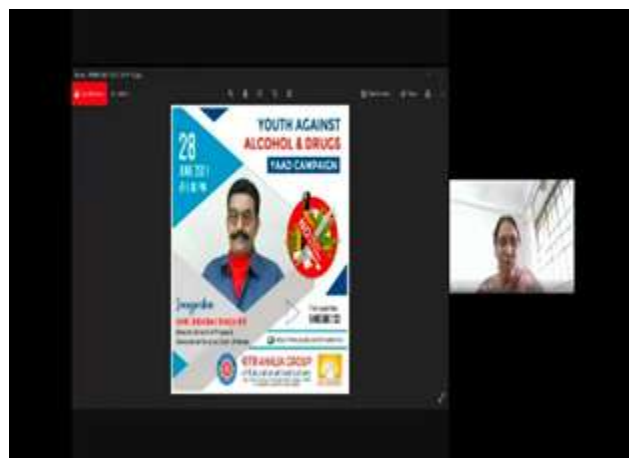
Title of the Activity: Youth Against Alcohol and Drugs (YAAD) Campaign

Need of the Activity: To sensitize against Alcohol, Drugs and all Substance Abuses

Brief Description (Need/Impact/Action/Picture (if any)):

A noble initiative of Ahalia Group of Institutions to sensitize against Alcohol, Drugs and all Substance Abuses was inaugurated by Shri. Rishiraj Singh, IPS, Director General of Prisons & Correctional Services, Govt. of Kerala on 28 June 2021 at 6 p.m. He said creating awareness about the ill-effects of substance abuse is the only way to curb its use. Welcome address was offered by Dr. Christina, Vice-Principal, Ahalia School of Pharmacy and Head of YAAD Campaign, Presidential address by Dr. P. R. Sreemahadevan Pillai, Director, Ahalia Group Academic Institutions. The vote of thanks was proposed by Mr. Roshan Sanu, Asst. Professor, Ahalia School of Engineering and Technology and Convenor of YAAD Campaign. Ms. Bindu Valoor, Manager Academics Outreach coordinated the event. The program held on google meet was attended by Dr. Krishna Kumar Kishor, Executive Director, Ahalia Group Academic Institutions, Mr. Sarath, Operations Manager, Ahalia Group and other prominent people from the State. The event was attended by 450 plus participants.

YouTube Link: <https://youtu.be/9hq7bnEBfi8>



ACTIVITY 4:

Title of the Activity: Video Contest on 'Atmanirbar Bharat'

Need of the Activity: To create awareness about Atmanirbar Bharat

Brief Description (Need/Impact/Action/Picture (if any)):

The Unnat Bharat Abhiyan Cell of Ahalia School of Engineering and Technology conducted a video contest on the topic 'Atmanirbar Bharath' on 27 July 2021. The competition was conducted in online mode. 21 students from various institutions inside Kerala participated in this competition. The students gave an excellent performance. The winners and the participants were awarded e-certificates.

The winners are:

First prize – Anjali Surya S., Sahradaya College of Advanced Studies

Second prize – Saigopal K. (2019-2023, ME), Ahalia School of Engineering and Technology



AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
Atmanirbar Bharath

Video contest on Atmanirbar Bharath

Last Date
27th July 2021

Instructions:

- Create a video of 1 minute length relevant to the topic 'Atmanirbar Bharath'
- Maximum size of the video should be 30 mb.
- The competition is open to all.
- Submit your entries through the google form provided.

Prizes will be given to the first and second place winners.
• E Certificate will be provided to all participants

Contact :

Preeja V: 7639075332
Akshith S: 7955221461
Rahul B: 0238937723

Submit your entries through
<https://forms.gle/9G2k4wvys7ha9i8>



Congratulations!

WINNERS OF VIDEO CONTEST 2021

First

Anjali Surya S.
Sahradaya College of Advanced studies

Second

Saigopal K.
Ahalia School of Engineering and Technology

AHALIA SCHOOL OF ENGINEERING & TECHNOLOGY
(ISO 9001:2015 Certified Institution)
Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University
Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557. Ph: 04923-226666, www.ahalia.ac.in

UNNAT BHARAT ABHIYAN

ACTIVITY 5:

Title of the Activity: YAAD District Campaign Inauguration

Need of the Activity: Sensitize against Alcohol, Drugs and all Substance Abuses

Brief Description (Need/Impact/Action/Picture (if any)):

The YAAD District Campaign was inaugurated online by Shri. M. B. Rajesh, Hon'ble Speaker, Kerala Legislative Assembly on 15 August 2021 at 6 p.m. The event was presided over by the Hon'ble Chairman of Ahalia Group, Dr. V. S. Gopal. YAAD is his noble vision. In his presidential address, Dr. V. S. Gopal said, it's saddening to see many young lives getting ruined due to liquor and substance abuse. The family of the substance abuser and the society as a whole have to bear the brunt of this evil. Youth think that casual/occasional use of these addictive substances are alright. But they don't realise that once they use these substances there is a higher chance of getting addicted to them. This transition is so quick that the abuser doesn't even realise that he/she is an addict now. Abstinence is the best way to stay safe. The purpose of the campaign was briefed by Dr. P. R. Sreemahadevan Pillai, Director, Ahalia Group Academic Institutions. He said considering the current scenario, such a campaign is the need of the hour. Delegates from various schools, colleges and NGOs felicitated this initiative and shared their experiences. Ms. Bindu Valoor, Manager-Academics Outreach offered the welcome address and Dr. Christina, Head, YAAD Committee offered the Vote of Thanks. 263 people joined and actively participated in the discussions.

YouTube Link: <https://youtu.be/8LiAhvATYIk>



ACTIVITY 6:

Title of the Activity: Swachhata Slogan Writing Competition

Need of the Activity: Awareness among students

Brief Description (Need/Impact/Action/Picture (if any)):

The Unnat Bharat Abhiyan Cell of Ahalia School of engineering and Technology in association with the National Service Scheme unit conducted a slogan writing competition related to the Swachhta Pakhwada 2021 on 28/08/2021 in online mode. 30 Students from various institutions inside Kerala participated in this competition. E-certificates were given to all participants.



ACTIVITY 7:

Title of the Activity: Slogan Writing Competition on Water Conservation

Need of the Activity: Awareness among students

Brief Description (Need/Impact/Action/Picture (if any)):

The Unnat Bharat Abhiyan Cell of Ahalia School of Engineering and Technology in association with the National Service Scheme Unit conducted an Online slogan writing competition related to Water Conservation on 29/08/2021 on behalf of Swachhata Pakwada 2021. 37 students from various institutions inside Kerala participated in this competition. E-certificates were given to all participants. The winners are :- First Prize: Chandana K.S, Jawaharlal College of Engineering

and Technology. Second Prize: Sreyas M, Ahalia School of Engineering and Technology. Third Prize: Nithya A S, Ahalia School of Engineering and Technology.



ACTIVITY 8:

Title of the Activity: Swachhata Poster Making Competition

Need of the Activity: Awareness among students

Brief Description (Need/Impact/Action/Picture (if any)):

The Unnat Bharat Abhiyan Cell of Ahalia School of engineering and Technology in association with the National Service Scheme unit conducted a poster making competition related to Swachhata Pakhwada 2021 on 30/08/2021 in online mode. 20 Students from various institutions inside Kerala participated in this competition. E-certificates were given to all participants.



ACTIVITY 9:

Title of the Activity: Poster Making Competition on Water Conservation

Need of the Activity: Awareness among students

Brief Description (Need/Impact/Action/Picture (if any)):

The Unnat Bharat Abhiyan Cell of Ahalia School of Engineering and Technology in association with the National Service Scheme Unit conducted an Online Poster Making competition related to Water Conservation on 30/08/2021. 14 students from various institutions inside Kerala participated in this competition. E-certificates were given to all participants. The winners are :- First Prize: S. Padmasree, GMMGHSS, Palakkad. Second Prize: Sneha Krishna, Ahalia School of Engineering and Technology. Third Prize: Sreya M, Ahalia School of Engineering and Technology.



ACTIVITY 10:

Title of the Activity: Swachhata Speech Competition

Need of the Activity: Awareness among students

Brief Description (Need/Impact/Action/Picture (if any)):

The Unnat Bharat Abhiyan Cell of Ahalia School of engineering and Technology in association with the National Service Scheme unit conducted a swachhata speech competition related to the Swachhata Pakhwada 2021 on 31/08/2021 in online mode. 19

Students from various institutions inside Kerala participated in this competition. E-certificates were given to all participants.



ACTIVITY 11:

Title of the Activity: Speech Competition on Water Conservation

Need of the Activity: Awareness among students

Brief Description (Need/Impact/Action/Picture (if any)):

The Unnat Bharat Abhiyan Cell of Ahalia School of Engineering and Technology in association with the National Service Scheme unit conducted a Swachhata speech competition related to Water Conservation on 31/08/2021 in online mode. 26 students from various institutions inside Kerala participated in this competition. E-certificates were given to all participants. The winners are :- First Prize: Akshaya P, Ahalia School of Engineering and Technology. Second Prize: Nithyasree S, Ahalia School of Engineering and Technology. Third Prize: Nithya A S, Ahalia School of Engineering and Technology.



ACTIVITY 12:

Title of the Activity: Youth Against Alcohol and Drugs - Training on Prevention and Control of Substance Abuse.

Need of the Activity: Social awareness

Brief Description (Need/Impact/Action/Picture (if any)):

As an awareness drive for prevention and control of substance abuse, an online training was organised on 05 September 2021. Dr. Praveen Lal Kuttichira, renowned psychiatrist and former Principal of Government Medical College, Thrissur offered the inaugural address on the topic “How liquor and drugs hijack the mind”. Dr. Prem Narayanan, Medical Director and Head of Department of Endocrinology and Diabetology offered a keynote address on “Hormonal effects of substance abuse”. 272 participants attended the event via Google Meet.

MISSION EMPOWERMENT
YOUTH AGAINST ALCOHOL AND DRUGS
PREVENTION & CONTROL OF SUBSTANCE ABUSE

FREE TRAINING ON TEACHER'S DAY
05 SEP. 2021
4 P.M. TO 6 P.M.

Inaugural Address:
HOW LIQUOR AND DRUGS HIJACK THE MIND !
Dr. Praveen Lal Kuttichira
Renowned Psychiatrist &
Former Principal, Government
Medical College, Thrissur

Keynote Address:
HORMONAL EFFECTS OF SUBSTANCE ABUSE
Dr. Prem Narayanan
Medical Director & Head, Department of
Endocrinology and Diabetology,
Ahalia Diabetes Hospital, Palakkad

Register @
<https://forms.gle/PEpdUC7u7Zwum7x27>

For queries:
9496000133
Ms. Bindu Valoor
Training certificates will be
provided to participants

AHALIA GROUP
of Educational Institutions
Ahalia Health, Knowledge & Knowledge Village, Palakkad - 676007
Ph: 09496000133, 094221 32888

ACTIVITY 13:

Title of the Activity: Mask your mask

Need of the Activity: Social awareness

Brief Description (Need/Impact/Action/Picture (if any)):

As a part of Swachhata Pakhwada 2021 the students of UBA cell of Ahalia School of Engineering and Technology filmed a short video message to give awareness to the society regarding littering by mask. This is a major cause of Covid spread among animals which in turn affect humans too. As this pandemic is expected to stay on the planet for a few more years, wearing a mask is going to be one of the preventive measures. The mask littering will cause environmental pollution along with health hazards.

YouTube Link: <https://youtu.be/woDgKkefwsA>

ACTIVITY 14:

Title of the Activity: Pencil Drawing Competition

Need of the Activity: Social awareness

Brief Description (Need/Impact/Action/Picture (if any)):

As a part of Azadi Ka Amrut Mahotsav the UBA cell of Ahalia School of Engineering and Technology in association with Ahalia Palakkad ISTE Chapter conducted a pencil drawing competition for the students on 26th January 2022 . 32 students from various colleges in Kerala Participated in this programme.



ACTIVITY 15:

Title of the Activity: Webinar on Sustainability Index Proforma

Need of the Activity: Social awareness

Brief Description (Need/Impact/Action/Picture (if any)):

Mahatma Gandhi National Council of Rural Education, Ministry of Education, Government of India in association with UBA Cell of Ahalia School of Engineering and Technology organised a workshop on Sustainability Index Proforma on 6th march 2022.. This program aims at making students and staff aware of the resource utilisation and how sustainable development can be incorporated in the college campus. Dr. P. R. Sreemahadevan Pillai, Principal, ASET presided over the event. Mr. Razak Cheruvanasery, Resource Person, MGNCRE explained the need of such an awareness and how the Proforma can be filled properly

YouTube Link: <https://youtu.be/46nCSrzPvX0>



ACTIVITY 16:

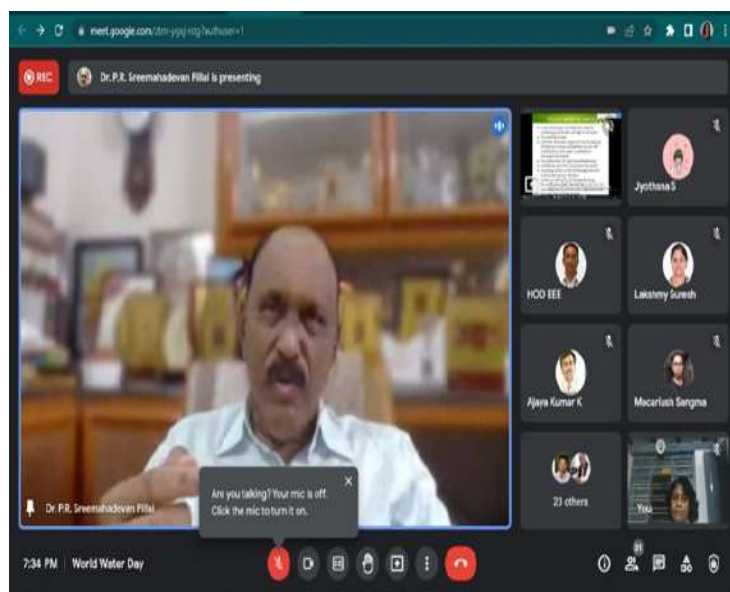
Title of the Activity: Webinar on Water Conservation

Need of the Activity: Social awareness

Brief Description (Need/Impact/Action/Picture (if any)):

Ahalia School of Engineering and Technology celebrated World Water Day on 22 March 2022 in association with IEEE, ASET IQAC, ISTE Ahalia Chapter, IEDC, IIC, UBA and NSS. The welcome address was offered by Prof. Lakshmy Suresh, Nodal Officer, ASET IEDC. Dr. Murugananth, Secretary, ISTE, Ahalia Chapter and Coordinator, ASET IQAC presided over the event. Dr. P. R. Sreemahadevan Pillai, Principal, ASET offered a thought-provoking keynote address. He said if water conservation remains ignored, then devastation is imminent. Dr. Mahima Ganeshan, President, ASET IIC offered the vote of thanks. Ms. Jyothsna Bhadra, S8, ECE anchored the program. Ms. Bindu Valoor, Manager Academics Outreach coordinated this event.

YouTube Link: <https://youtu.be/kc0GRgxsbcM>



ACTIVITY 17:

Title of the Activity: Tech Talk Series 002: When Will Life On Earth End?

Need of the Activity: Social awareness

Brief Description (Need/Impact/Action/Picture (if any)):

Tech Talk Series is an initiative of Ahalia School of Engineering and Technology, Palakkad, which explores relevant topics, that prompts the participants to ponder deep, thereby igniting critical as well as creative thinking. Tech Talk Series 002: When Will Life On Earth End?, was organized in association with IEEE, ISTE Ahalia Chapter, IEDC, IIC, ASET IQAC, ASET NDLI CLUB and ASET UBA cell on 28 March 2022. Dr. P. R. Sreemahadevan Pillai, Principal, ASET was the resource person. The session dealt with various predictions and facts about the formation of the earth, the earlier partial extinctions that the earth faced, and what could be the reasons due to which the earth can become totally extinct. The event was presided over by Dr. Murugananth G., Secretary, ISTE Ahalia Chapter and Coordinator, ASET IQAC. Mr. Akshay Kannan, CEO, ASET IEDC offered the welcome address. Prof. Sangeetha P. S. Joint Secretary, ISTE Ahalia Chapter proposed the vote of thanks. Prof. Gopika S. Nair anchored the event enthusiastically. This event was coordinated by Ms. Bindu Valoor, Manager-Academics Outreach, Ahalia Group, Palakkad.



Next action plan:

Sr. No.	Activity to be conducted(along with reason)
1	Village Survey
2	Tech Talk Series

5. Kannur University

UBA Coordinator's Name: Dr. JAYAPAL.G

Email: jayapalg@kannuruniv.ac.in

Phone Number : 9847132918

	ADOPTED VILLAGES	TALUK(Block)	DISTRICT
1	Thirunelly	Mananthavady	Wayanad
2	Thondernad		
3	Nalloornad		
4	Panamaram		
5	Pozhuthana		

List of Activities:

- Completed Sample survey in Thirunelly village and entered the data in the UBA portal
- Survey has been initiated in Thondernad, Nallornad, Panamaram and Pozhuthana villages
- Students are arranged to conduct the survey.
- Participated in the workshop, seminar and other events conducted by the UBA

Next action plan:

Sr. No.	Activity to be conducted (along with reason)
1	To complete the Village and Household survey and submit in the UBA portal
2	To identify the problem areas in the selected villages
3	Initiate and assist the panchayat to formulate Village Development Plan

6. NSS College of Engineering, Palakkad

UBA Coordinator's Name: Neethi S.Pillai

Email: neethi@nssce.ac.in

Phone Number: 9746182414

Sr. No.	ADOPTED VILLAGES	TALUK(Block)	DISTRICT
1	Malampuzha 1		Palakkad
2	Akathethara		
3	Puthupariyaram		
4	Kottathara		
5	Agali		

List of Activities:

ACTIVITY 1:

Title of the Activity: The magic of composting- Session on Zero-Waste Lifestyle organized by IIT Palakkad

Need of the Activity: Covid 19 Awareness: Brief Description (Need/Impact/Action/Picture (if any)):

Participated in the webinar The magic of composting- Session on Zero-Waste Lifestyle organized by IIT Palakkad . The webinar was an eye opening one in the area of food waste management at home.

ACTIVITY 2:

Title of the Activity: Dhyuthi

Need of the Activity: Electrification Govt.UP School Kottathara

Brief Description (Need/Impact/Action/Picture (if any)): Majority of Students in Govt UP School Kottathara are tribes. Class rooms of this school do not have Lights or Fans or any basic electric connection needed for proper teaching learning process. Even though we were planning to conduct this program by the mid of October, due to the current pandemic situation we were not having adequate manpower(students).

Now we are planning to organize Dhyuthi by the mid of March

ACTIVITY 3:

Title of the Activity: Household Survey

Need of the Activity: Mandatory Survey

Brief Description (Need/Impact/Action/Picture (if any)): Mandatory survey : Household Survey of Malampuzha 1, Puthupariyaram and Akathethara Village will be conducted and completed by April.

Next action plan:

Sr. No.	Activity to be conducted(along with reason)
1	Electrification of Govt UP School, Kottathara
2	Household Survey

7. Providence Womens College

UBA Coordinator's Name: Sini R

Email: rsini2002@gmail.com

Phone Number: 9447455253

Sr. No.	ADOPTED VILLAGES	TALUK(Block)	DISTRICT
1	kakkodi	Chelannur	kozhikode
2	chelannur	Chelannur	
3	kunnamangalam	Kunnamangalam	
4	kuruvattur	Kunnamangalam	
5	Kozhikode cooperation ward 10	Kozhikode	

List of Activities:**ACTIVITY 1:**

Title of the Activity: Household Survey

Need of the Activity: To know struggle faced by the people in the kakkodi ,kunnamangalam, kuruvattor villages and Kozhikode corporation

Brief Description (Need/Impact/Action/Picture (if any)): On 13/11/21 household survey in the following villages kakkodi ,kunnamangalam, kuruvattor and Kozhikode corporation was

conducted. More than four hundred households were surveyed by the student volunteers.



Next action plan:

Sr. No.	Activity to be conducted(along with reason)
1	Online consultation for students in the village
2	Uploading of survey form to uba portal
3	

8. Mary Matha Arts & Science College, Mananthavady

UBA Coordinator's Name: Binoy Joseph

Email: binoy.sib@gmail.com

Phone Number 9946234220

Sr. No.	ADOPTED VILLAGES	TALUK(Block)	DISTRICT
1	Mananthavady	Mananthavady	Wayanad
2	Payyampally		
3	Thrissilery		
4	Thavinjal		
5	Edavaka		

List of Activities:

ACTIVITY 1:

Title of the Activity: UNNAT BHARATH ABHIYAN (UBA) Baseline Household Survey

Conducted Baseline Household survey in five adopted villages and entered the details in the UBA website

ACTIVITY 2:

Title of the Activity: Swachh Survekshan Survey

Need of the Activity: Swachh Survekshan is an annual survey of cleanliness, hygiene and sanitation in cities and towns across India.

Brief Description (Need/Impact/Action/Picture (if any)):

UBA and NSS volunteers conducted Swachh Survekshan vote for Wayanad Survey. More than 16000 people participated in it.

9. St. Joseph's College (Autonomous) Devagiri, Calicut

UBA Coordinator's Name: Fr. Bony Augustine CMI

Email: bvettem@hotmail.com

Phone Number: 8547562722

List of Activities:

1. Visit to an institution under the Social Welfare Department of Govt. of Kerala at adopted village.
2. Installation of a Swing and seating facility at Asha Bhavan for Women, Calicut.
3. Helping hand to Udayam, a Project under the District Administration's Udayam Charitable Society.
4. Training in farming and making a small vegetable garden at the school premises in the adopted village.
5. Study materials distribution to tribal students from the adopted villages.

Title of the activity: Visit to an institution under the Social Welfare Department of Govt. of Kerala at adopted village.

Brief Description:

The student representatives and the college social service programme coordinator had a visit to Asha Bhavan, which is a rehabilitation centre for the abandoned women with mental illness as part of UBA Project. The students conducted activities that intended for the encouragement and relaxation for the inmates. Some of them voluntary came forward to sing and

dance. Ten of the inmates also actively participated in the musical chair conducted by the students. In the Covid scenario, it was really a mental relaxation for the inmates of Asha Bhavan.



Title of the activity: Installation of a Swing and seating facility at Asha Bhavan for Women, Calicut

Brief Description:

Asha Bhavan for Women is an institution under the Social Welfare Department of Govt. of Kerala. There are 71 inmates in the institution. The inmates are discharged from Mental Health Centers. They are abandoned by dear and near ones. They are under medication/required continued medical care and having very little or no contact with outsiders.

As part of the UBA project the students of St. Joseph's College (Autonomous), Devagiri, Calicut is visiting the Asha Bhavan institution and providing a support system to the inmates by making them undergo vocational and welfare activities. In this manner, Asha Bhavan authorities, asked for installation of swing and seating facilities for the physical as well as mental relaxation of the

inmates. This request is considered under the auspicious of the UBA project and finished by the first week of September 2021.



Title of the activity: Helping hand to Udayam, a Project under the district administration's Udayam Charitable Society.

Brief Description:

There are many homeless, or rough sleepers, in the district in which the adopted villages are included, who have found a safe roof above their head amid Covid-19 pandemic through the Udayam home Project. The brainchild of Kozhikode District Collector S Seeram Sambasiva Rao IAS, the project under the district administration's Udaayam Charitable Society aims at the comprehensive rehabilitation of street dwellers, homeless, destitute and adult orphans. The unique initiatives started as a camp to keep street dwellers and homeless off the streets during the initial days of Covid-19 pandemic and the subsequent lockdown in March last year. At first, the homeless were shifted to a camp setup after three temporary houses.

They provide psychological care and job training and decent accommodation facilities. As part of job training, they have provided some cent of land for cultivation. The authority asked for help from the college students and this request was considered under the auspices of the UBA project and finished the work by the 28th of September 2021.





Title of the activity: Training in farming and making a small vegetable garden at the school premises in the adopted village.

Brief Description:

School gardens are a great way to get children to learn about nutrition. Food and Agriculture Organization (FAO) of the United Nations encourages and supports countries to promote school gardens with educational goals to help students, school staff and families make the connection between growing food and good diets, develop life skills and increase environmental awareness.

Keeping this in mind, the students from the college visited a school from the adopted village and gave an orientation class to the students about school gardens and importance. Finally, with the help of the students from the school we made a vegetable garden at the school.



Title of the activity: Study materials distribution to tribal students from the adopted villages.

Brief Description:

From our interaction with the tribal students at the adopted village, we came to know that the students either lack books and other learning materials altogether or are required to share them extensively with others. Without learning materials, children can spend many of their school hours copying content from the blackboard, which severely reduces time for engaged learning. Ensuring an adequate supply of teaching and learning materials is therefore of key importance. Therefore we collected some study materials and distributed to students at these villages.



