

2024-2025



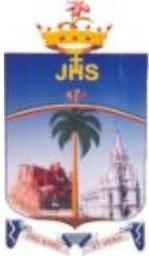
UBA ANNUAL REPORT



Submitted By

REV. DR. T. SAGAYARAJ SJ
DIRECTOR





UNNAT BHARAT ABHIYAN - UBA ANNUAL REPORT

APRIL 2024 - MARCH 2025

Prepared by

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The Participatory Institute (PI)
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St. Joseph's College (Autonomous)
Extension Department – SHEPHERD
Tiruchirappalli – 620002

REPORT OF THE UNNAT BHARAT ABIYAN - 2024 – 2025

INTRODUCTION

The Participatory Institute (PI), St. Joseph's College (Autonomous) has compiled a detailed report on the UNNAT BHARAT ABIYAN for the period from April 2024 to March 2025. This year, our initiatives have successfully reached five adopted villages, focusing on community development and empowerment. The activities undertaken are closely aligned with the Sustainable Development Goals (SDGs), ensuring that our efforts contribute to broader global objectives.

1. UBA: GRAMA SABHA MEETING

We are excited to share that a special Grama Sabha meeting was held on 02.10.2024, across five villages supported by UBA: Nagamangalam, Inammathur, Yagapudayapatti and Sethurapatti. Faculty members and students from St. Joseph's College (Autonomous), UBA ID C-35860, actively participated in the meeting, following the guidance provided by NCI and RCI. The event proved to be a resounding success, as students pinpointed various issues and engaged with the Panchayat council in discussions during the Grama Sabha. They also proposed viable solutions to address urgent challenges outlined in the Gram Panchayat Development Plan (GPDP). Additionally, a group of students from I BSc AI distributed Eco-friendly Sanitary Napkin to 85 women at Inammathur village with the help of Bhoomi Trust-NGO, Trichy.



2. REPORT ON THE DESIGN OF A SMALL-SCALE WINDMILL FOR LOW-POWER DEVICES

Introduction

St. Joseph's College (Autonomous) is actively involved in the Unnat Bharat Abiyan (UBA) program. Over the last five years, the Extension Department-SHEPHERD at the college has led various UBA projects in the village they have adopted. One of these projects included the installation of a small scale wind-mill in Nagamnagalam Panchayat, located in the Manikandam Block of Tiruchirappalli district. This initiative marks a significant milestone in the history of St. Joseph's College, as it represents a commitment to sustainability and innovation. The miniature wind-mill designed to provide clean and environmentally friendly electricity to help meet the Panchayat's partial power requirements (1 KV). Its installation at the Panchayat Council Building in Tiruchirappalli district signifies a step towards a greener future for the college and the community it serves. Mr. C. Jeyachandran, Senior Coordinator and Mr. S. Jeyaseelan, Junior Coordinator of the Extension Department-SHEPHERD, accompanied by members of the UBA Cell, Dr. Alexander, ventured to different locations in and around Trichy district for the purpose of inspecting the current model windmills in place.

Geography for Implementation

The UBA Cell members secured permission from the Panchayat Council to proceed with the wind-mill installation on the terrace of the Panchayat building. They conducted wind speed measurements at five different sites, including the Primary Health Centre, the Panchayat Council building, and a nearby water tank. Ultimately, they chose the Panchayat Council building in Nagamanagalam as the optimal location for the project.

The windmill accessories were procured from Vinayaga Agency in Bengaluru at a total cost of Rs. 150,000. These components included the supply and installation of a 1000-watt domestic wind turbine complete with hub, tail, nose, charge controller, and brake, as well as a 15-foot tilting type tower and a tubular tower. The installation process involved labour, transportation, and electrical wiring, all of which were executed meticulously by a qualified technician and UBA Cell members.

Wind-mill Inauguration

The Extension department-SHEPHERD and members of the Panchayat Council collaborated with students from the UBA cell, including those from the II BA English Literature Shift-II program involved in this program. On June 2nd, 2024, St. Joseph's College launched a small-scale windmill intended to power low-energy devices at the Nagamanagalam located in the Manikandam Block of Tiruchirappalli district. The primary aim of this initiative was to raise awareness among students and the rural community about the significance of reducing electricity expenses while harnessing clean, eco-friendly energy from renewable sources. A total of 150 participants attended, including 25 college students from the UBA cell, five members from the Panchayat Council, and 25 local residents.

Rev. Dr. Pavulraj Micheal SJ, Rector of St. Joseph's College (Autonomous), presided over the event and was the first to inaugurate the windmill's power supply to an LED bulb. He also unveiled the book titled "Introduction to Windmills," authored by Dr. A. Alexander, Department of Physics, SJC.

Rev. Dr. T. Sahayaraj SJ, Director of the Extension Department-SHEPHERD, delivered the inaugural address, highlighting the significance of harnessing wind energy for educational development. He acknowledged the collective effort involved in the project's implementation and expressed his heartfelt gratitude to all those who contributed to its success.

Dr. L. Arockiam, an Associate Professor in the Department of Computer Science and the Nodal Officer for the PI UBA initiative, attended as a guest speaker. He reflected on his early experiences during the implementation of the UBA project.

Mr. Vellaisamy, President, Nagamangalam Panchayat spoke to the crowd about the advancement of the project and discussed his enduring partnership with the management of St. Joseph's College on different community development ventures. He graciously donated Rs.25,000/- (Rupees twenty-five thousand only) and provided essential assistance in setting up the windmill on the rooftop of the Panchayat office.

Dr. A. Alexander elaborated on the innovative windmill project, which has the capacity to generate 1000 watts of DC electrical power. He noted that this energy could efficiently power up to five LED bulbs, three tube lights, and two fans. He emphasized the concept that, similar to how we derive food from the soil, we can harness and store electricity from the air for 24 hours.

Mr. C. Jeyachandran, Senior Coordinator from the Extension Department-SHEPHERD provided an overview of the Unnat Bharat Abhiyan's historical context under the Ministry of Human Resource Development, along with the Ministry of Rural Development, the Ministry of Panchayati Raj, and the Department of Higher Education. He highlighted the roles of various bodies, including the National Steering Committee (NSC), National Coordinating Institutes (NCI), Regional Coordinating Institutes (RCI), District Administration, Panchayat Council, and Participatory Institutes (PI), in ensuring the effective implementation of the project at the grassroots level.

Mr. S. Lenin, Senior Coordinator from the Extension Department-SHEPHERD, Dr. A. Alexander, Assistant Professor in the Department of Physics; Mr. S. Jeyaseelan, Junior Coordinator, Mr. T. Joseph Christhu Raja, Junior Coordinator and Mrs. H. Yasodai, Junior Coordinator participated. Their contributions have been significant from the project's inception to its completion.

The UBA team, along with the Panchayat council, will be conducting on-going monitoring of the windmill. We extend our gratitude to Unnat Bharat Abhiyan, the Ministry of Education

(MoE), the Ministry of Rural Development (MoRD), the Ministry of Panchayat Raj (MoPR), the National Steering Committee (NSC), the National Coordinating Institutes (NCI), the Regional Coordinating Institutes (RCI), Coimbatore, the District Administration, the Panchayat Council, Participatory Institutes (PI), and all volunteers for their efforts in executing various project initiatives in the villages adopted by UBA.



நாகமங்கலத்தில் காற்றாலை மின் உற்பத்தி தொடக்கவிழா

யூ.பி.எம்.சி. ஓ.பி.எம். கல்வி நிறுவனங்களின் ஆதிபர் பவுல்ராஜ் மைக்கில் உள்ள காற்றாலை மின் உற்பத்தி தொடக்க விழா நடைபெற்றது.

இருசிகி மணிகண்டம் ஊராட்சி அலுவலகத்தில் காற்றாலை மின் உற்பத்தி தொடக்க விழா சேவ்வாக்கி மழை நடைபெற்றது.

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3. UBA CELL

The Unnath Bharat Abiyan (UBA) cell at our College played a vital role in promoting inclusive education and supporting underprivileged communities, particularly in UBA adopted villages. Comprising fifteen dedicated students, the cell involved in Wind-mill project, Moringa value added project and other developmental activities.

Active participation in grama sabha meetings allows the UBA cell to understand community needs and advocate for rural individuals. Collaborating with local Panchayats and organizations helps identify beneficiaries and tailor support initiatives effectively. Additionally, the cell conducts awareness campaigns on topics like health education, literacy and nutritional awareness program empowering women, children, and individuals to enhance their quality of life and foster a culture of learning and self-sufficiency within the community.



4. NATIONAL NUTRITION MONTH CELEBRATION-2024

On 25.09.2024, the celebration of National Nutrition Month took place in the AV Hall of the College Campus. This event was organized in collaboration with the Extension Department—SHEPHERD of St. Joseph's College (Autonomous), along with the Integrated Child Development Scheme (ICDS) Tiruchirappalli Srirangam Circle Project-2 and the Rotary Club of Trichy City. It was held under the Unnat Bharat Abhiyan (UBA) 2.0 initiative of the Ministry of Education Government of India, specifically catering to the Anganwadi Workers of ICDS and selected students from various faculties. The festivities began with the traditional Tamil Thai greeting.

Rev. Dr. T. Sahayaraj SJ, the Director of the Extension Department -SHEPHERD, delivered the inaugural address. He shared his delight regarding the event, noting, "While street food is budget-friendly, it often lacks nutritional value, and the same goes for packaged meals. The future of the food industry appears to be gravitating towards homes without traditional kitchens. Our students will play a crucial role by organizing awareness campaigns to educate people about the importance of traditional cuisine."

Rev. Fr. K. Amal SJ, Secretary, St. Joseph's College presided the event. He emphasized the importance of traditional cuisine to enhance both physical and mental well-being. He pointed out that diabetes and heart disease are the significant health challenges faced by our country. Furthermore, he highlighted the crucial role of women's education and health in the overall development of the nation. With this in mind, he urged the members of ICDS and all the students, both male and female, to prioritize eating breakfast, as good health is a valuable asset.

Mrs. B. Kousalya, Child Development Program Officer (CDPO), Tiruchirappalli Srirangam Circle Project-2 gave an inspiring keynote address. She highlighted that one of the main factors for the increase in the number of fertility centers is the consumption of unhealthy food. She encouraged the participants to shift their eating habits from fast food to traditional meals, emphasizing the importance of incorporating green vegetables, fruits, nuts, and a balanced diet into their daily routines.

Rtn. C. Sabapathy, Deputy Governor, Rotary Club of Trichy City participated as guest for his significant contributions. He highlighted the necessity of promoting our well-being through natural foods that help us stay youthful, vibrant, and resilient against illness. During the ceremony, he seized the opportunity to engage with the audience, sharing his perspectives on the vital role of nutrition in our overall well-being. His focus on the significance of natural foods serves as a powerful reminder of the remarkable effects nutrition can have on our lives. By prioritizing whole, unprocessed foods, individuals can boost their health, sustain their energy, and ultimately enjoy more joyful and meaningful lives.

Prof. Beno Soosai Vijayakumar, Head, Department of Biochemistry, highlighted the critical role of bio-chemicals, vitamins, minerals, and nutrients found in food and how they function within our bodies. He stressed the importance of consuming nutrient-dense foods at appropriate times.

Mr. S. Lenin, Senior Coordinator of the Extension Department - SHEPHERD, warmly welcomed the attendees. Mrs. Archana, District President of ICDS, expressed her gratitude with a vote of thanks. The event was skillfully organized by a dedicated team that included Senior Coordinators Mr. C. Jeyachandran and Mr. P. Vijayakumar, along with Junior Coordinators Mr. S. Jayaseelan, Mr. T. Joseph Christhu Raja, and Mrs. H. Yasodai, as well as Office Assistant Mr. S. Amaleswaran.

A gathering was held with 157 college students and 35 Anganwadi workers, who enjoyed a diverse array of nutritious dishes such as drumstick soup, chickpeas, wholesome millets, payasam, and small grain food mixes. The event also featured an exhibition dedicated to nutrition and healthy food options, promoting awareness and education on dietary choices. At the conclusion of the gathering, all participants took a pledge in support of Nutrition Month, emphasizing their commitment to healthy eating. The college management graciously arranged lunch for all ICDS participants, ensuring a fulfilling and enriching experience for everyone involved.



வினாக்கத்துறை- செய்ப்பு
செயின்ட் ஜோசப் தனியார் கல்வி, திருச்சிராப்பள்ளி
ஒருக்கொரு நூற்றைகள் ஊர்ச்சத்திட்டம் திருச்சிராப்பள்ளி
உள்ளத் பாரத் அம்மாள் 2.0
மற்றும்
ரோட்டரி கிளப் ஆப் திருச்சி சி.டி.
இணைத்து நடத்தும்

செய்ய ஊட்டச்சத்து மாநக் கொண்டாட்டம்- சேப் 2024

தாள் : 25.09.2024, **முதல் தீழ்சலம்** **தேரம் :** காலை 10.30 மணி
இடம் : A.V அரங்கம், கல்வி வளாகம்

நிழுவன

இறைவனக்கம், தலித்தாய் வந்தது
வரவேலுரை : திரு. S. சென்ன்
 ஒருக்கொரு நூற்றைகள் வினாக்கத்துறை- செய்ப்பு
தொடக்கவுரை : அருள்ருனைவர். T. சகாயராஜ், சே.ச
 இயக்குநர், வினாக்கத்துறை- செய்ப்பு
தலைவையுரை : அருள்ருனைவர். K. அமல், சே.ச
 செயின்ட் ஜோசப் தனியார் கல்வி
வாழ்த்துரை : Rtn. C. சாயுத்
 துறை ஆணை, ரோட்டரி கிளப் ஆப் திருச்சி சி.டி.
கருத்துரை : திரு. A. பெரோ ருசு விஜயகுமார்
 துறைத்தலைவர், உயிர் வேதியியல் துறை, SIC
நகுமத் : B. சென்சியா
 ஒருக்கொரு நூற்றைகள் ஊர்ச்சத்திட்ட ஆணை,
 திட்டம்-2, முற்கம் ஊட்டம், திருச்சிராப்பள்ளி
நன்றியுரை : சென்ன். S. சென்ன் சென்சியா
 ஊட்டர் ஒருக்கொரு நூற்றைகள், ICDS, திருச்சி

பங்கிடுபவர்கள் : கல்வி யாணவயாளவர்கள் மற்றும் அக்கவையு பணிபவர்கள்
 இந்நிகழ்ச்சியில் ஊட்டச்சத்து பற்றிய கண்காட்சி நடைபெறும்





5. WOMEN AND CHILD PROTECTION AWARENESS PROGRAMME

The Extension Department - SHEPHERD conducted an enlightening program on women and child protection awareness as part of the Unnath Bharath Abhiyan 2.0 under the Ministry of Education, Government of India 08.10.2024 in the college premises. The event took place on the college campus, and was attended by II BSc English 150 college students. The program started with an opening speech by **Rev. Dr. T. Sahayaraj SJ**, the Director of Extension Department - SHEPHERD. He emphasized that it was only after the Second World War that measures like Peace, Truth, Justice, social security and legal schemes were implemented, particularly for women.

Rev. Dr. K. Amal SJ, Secretary presided over the program. During his address, he highlighted the less-than-ideal living conditions of women and children in today's society.

Mrs. S. Vasumathi, Police Inspector, Anti-Trafficking Unit of Tiruchirappali, delivered the keynote speech. She shed light on the current issues of violence affecting women and children, and also explained how to access and effectively utilize the police assistance app. Mrs. Vasumathi patiently answered questions from the students.

Dr. Prabhu, a member of the Child Welfare Committee Tiruchirappalli, educated the attendees on child rights protection laws and various government schemes in place for their welfare. Mr. S. Lenin, Extension Department – SHEPHERD and Ms. Vincy, II BA English student welcome all participants and extended a vote of thanks. Mrs. H. Yasodai, Junior Coordinator, Extension Department - SHEPHERD, was instrumental in organizing the entire program, which was received positively by the college students.


 விடுவாக்கத்துறை - செப்பிரடு
 செபிஸ்ட் ஜோஸப் தனிமூலகிக் கல்லூரி, திருச்சிராப்பள்ளி
 உடனடி பாரத் அபிப்பன் 2.0

**பெண்கள் மற்றும் குழந்தைகள் பாதுகாப்பு பற்றிய
 விழிப்புணர்வு கருத்தரங்கம்**

நாள் : 08.10.2024, செவ்வாய்க் விழமை நேரம் காலை : 10.30 மணி
 இடம் : சமுதாயக் கூடம், கல்லூரி வளங்கம்

நிகழ்ச்சி நிரல்

இறை வணக்கம்,
 தமிழ்த்தாய் வாழ்த்து
 வரவேற்புரை : திரு.மெலிள், ஒடுங்கிணைப்பாளர், விடுவாக்கத்துறை - செப்பிரடு.

தொடக்கவுரை : அருள்முனைவர், T. சகாயராஜ் சே.ச இயக்குனர், விடுவாக்கத்துறை - செப்பிரடு.

தலைமையுரை : அருள்முனைவர் K. அமல் சே.ச பெயர், செபிஸ்ட் ஜோஸப் தனிமூலகிக் கல்லூரி, முனைவர் S.பிரபு, குழந்தைகள் நல குழு உறுப்பினர், திருச்சிராப்பள்ளி.

சிறப்புவிருந்தினர் :

1. திருமதி சேவலாதி, காவல்துறை ஆய்வாளர், ஆட்கடத்தல் தடுப்பு பிரிவு, திருச்சிராப்பள்ளி மாவட்டம்.
2. திருமதி B. ஸ்ரீவித்யா, சட்டம் மற்றும் நன்மைக்களை அதிகாரி, மாவட்ட குழந்தைகள் பாதுகாப்பு அலகு, திருச்சிராப்பள்ளி.

நன்றியுரை : செல்வி J. விஷி, மாணவி, செப்பிரட்டு.

நிகழ்ச்சி ஒடுங்கிணைப்பாளர்: திருமதியரசேனா
 விடுவாக்கத்துறை - செப்பிரடு.



6. UBA PROJECT MONITORING VISIT AND CONSULTATION MEETING

On December 5th, 2024, a project monitoring visit and consultation meeting took place at the Extension Department of SHEPHERD, specifically for its staff. The meeting commenced with an introductory address by Rev. Dr. T. Sahayaraj SJ, the Director of the Extension Department. Following this, Dr. A. Alexandar, an Assistant Professor in the Department of Physics, provided insights into the processes of project writing and implementation within the UBA-adopted villages.

Mr. S. Jeyaseelan, a Junior Coordinator at the Extension Department, shared a comprehensive overview of the projects funded by UBA from 2017 to 2024. The Chief Guest, Dr. E. Somasundaram, Coordinator of the Regional Coordinating Institute for Unnat Bharat Abhiyan at Tamil Nadu Agricultural University (TNAU) in Coimbatore, praised the efforts of the our college (Participatory Institute-PI) and highlighted their significant contributions to the UBA villages. He also enlightened the staff on five key focus areas that could enhance funding opportunities from UBA. Moreover, we the Director and staff with Dr. E. Somasundaram, Coordinator, RCI met with Rev. Dr. S. Mariadoss SJ, Principal, St. Joseph's College (Autonomous) expressed his appreciation for the visit from the RCI and encouraged the coordinators to develop more project proposals for UBA.

The program was expertly hosted by Mr. S. Lenin, Senior Coordinator at the Extension Department. Mr. C. Jeyachandran, Senior Coordinator, warmly welcome the attendees, while Mr. T. Joseph Christu Raja, Junior Coordinator, delivered the closing remarks, expressing gratitude to all participants.





7. MORINGA VALUE ADDED TRAINING PROGRAMME FOR COLLEGE STUDENTS

On 21st February, 2025, The Extension Department-SHEPHERD organized a Workshop on Moringa Cultivation and Value Added products preparation under the Unnat Bharat Abhiyan 2.0 Project at the central herbal garden in Nagamangalam. The training covered topics such as the benefits of moringa leaves, flowers, and fruits, and their impact on human health. It also focused on enhancing immunity and disease resistance.

Rev. Dr. T. Sahayaraj SJ, Director of the Extension Department-SHEPHERD, **Mr. C. Jeyachandran**, UBA-Assistant Coordinator of our college, **Mr. S. Lenin**, Senior Coordinator, **Mr. S. Jayaseelan**, Junior Coordinator, **Mr. T. Joseph Christu Raja** of the Extension Department were participated as resource persons of this Programme. The College students trained in preparing moringa-value based products such as powder, soup, tea and oil. A total of 167 students participated in the training programme.





St. JOSEPH'S COLLEGE (Autonomous)
EXTENSION DEPARTMENT-SHEPHERD
Tiruchirappalli-620002

UNNAT BHARAT ABHIYAN (UBA) 2.0, GOVERNMENT OF INDIA

Moringa Value Added Training Programme for College Students

Date: 21.02.2025, Friday Shift-II-Time : 09.30 am to 12.10 pm
Shift-I-Time : 02.30 pm to 05.00 pm

Venue: Central Herbal Garden, Nagamangalam

Schedule

Welcome Address : **Selvan, R. SRIRAM**
Student, III BCA-A Shift-II

Introduction : **Mr. C. JEYACHANRAN**
UBA- Assistant Coordinator, SJC

Presidential Address : **Rev. Dr. T. SAHAYARAJ, SJ**
Director, Extension Department-SHEPHERD
St. Joseph's College (Autonomous)
Tiruchirappalli

Value & Cultivation Techniques : **Mr. S. LENIN**
Sr. Coordinator, Extension Department-SHEPHERD

Production & By-products : **Mr. S. JEYASEELAN**
Jr. Coordinator, Extension Department-SHEPHERD

Cost Analysis & Marketing : **Mr. T. JOSEPH CHRISTU RAJA**
Jr. Coordinator, Extension Department-SHEPHERD

Vote of thanks : **Selvan, T. MUKESH**
Student, III BCA-A Shift-II

Organizers
Health Groups Leaders SHII-I & SHII-II, SJC
All are Welcome

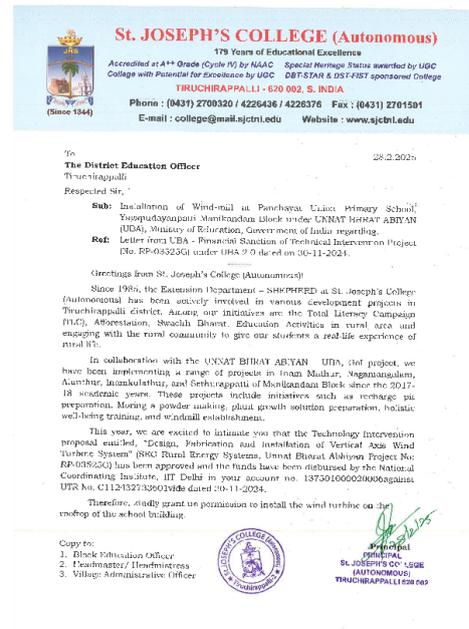


8. VERTICAL AXIS WIND-TURBINE PROJECT SANCTIONED

The UBA project titled "Design, Fabrication, and Installation of Vertical Axis Wind Turbine System" was sanctioned with an amount of Rs. 1,00,000/- (Rupees One Lakh only). The UBA-PI began the implementation process in the UBA-adopted village of Yagapudayanpatti, located in the Alundur Panchayat of the Manikandam block, Tiruchirappalli district. On February 11, 2024, Mr. C. Jeyachandran, Assistant Coordinator of UBA-PI, and Dr. A. Alexandar, Assistant Professor in the Department of Physics at St. Joseph's College (Autonomous), visited the project site to assess the wind flow using an anemometer. Prior to this, September 27th, 2024, the UBA-PI presented the project details through a PowerPoint presentation to the panelists of the Subject Expert Groups and the members National Coordinating Institute of the UBA.

Rev. Dr. S. Mariadoss SJ, Principal of St. Joseph's College (UBA-Participatory Institute), Tiruchirappalli; Rev. Dr. T. Sahayaraj SJ, Director of the Extension Department-

SHEPHERD; Mr. S. Dominique, the UBA-PI Coordinator; and Tamil Nadu Agricultural University (TNAU), as a Regional Coordinating Institute (RCI) of UBA, provided invaluable support and guidance, playing a crucial role in overseeing the project's execution. It combined efforts aimed to harness renewable energy resources for the community, promoting sustainable development and environmental stewardship.



We have submitted a letter to the education department, which is currently processing it for review by the Chief Educational Officer. This correspondence outlines our ongoing Vertical Axis Wind Turbine project, aimed at promoting renewable energy and hands-on learning in our schools. We believe that this initiative will not only enhance students' understanding of sustainable technologies but also inspire them to engage in practical applications of science and engineering concepts. Our team is eager to share updates and collaborate with the education department to ensure the project meets educational goals and benefits our community.

CONCLUSION

In conclusion, the UNNAT BHARAT ABIYAN initiatives implemented by the Participatory Institute of St. Joseph's College have made significant strides in fostering community development and empowerment in the five adopted villages. We express our sincere thanks to the District Administration, Block Development Officer, Panchayat council members, Education department, Donors, Well-wishers, and College administration for their cooperation in successfully implementing the UBA activities. As we move forward, we remain committed to refining our strategies and expanding our impact, ensuring that our initiatives continue to enhance the quality of life and promote environmental stewardship in these communities.
