TECHNOLOGY TRANSFER

Event No	UBA003
Organizing Department	Unnat Bharat Abhiyan
Associate Dept. | NSC	Civil Engineering
Date	22/05/2023
Time	10:00 AM to 01:00 PM
Event Type	ISR Activity
Event Level	Institute
Venue	Kaduvettipalayam
Total Participants	17
Faculty - Internal	5
Students - Internal	6
Other Participants	6

Related SDG

Involved Staffs

Sl	Name	Role
1	Vivek D	Coordinator
2	Vinoth S	Coordinator

Outcome

The project, aligned with the theme of "Water Management," aims to revolutionize rainwater monitoring and contribute to sustainable water resource utilization.

Event Summary

KPR Institute of Engineering and Technology - UBA Cell Introduces "SMART RAIN GAUGE" Project for Water Management in Kaduvettipalayam Village on 22 May 2023 - In a pioneering effort to enhance water management practices, the KPR Institute of Technology-Unit for Basic Amenities (KPRIET-UBA) Cell, in collaboration with the Civil Engineering Department, has successfully implemented the "SMART RAIN GAUGE" project. The project, aligned with the theme of "Water Management," aims to revolutionize rainwater monitoring and contribute to sustainable water resource utilization. The highly anticipated launch of the SMART RAIN GAUGE on May 22, 2023, marks a significant milestone in Kaduvettipalayam Village's pursuit of efficient water management. This cutting-edge rain gauge system, strategically positioned across the village, utilizes advanced technology to measure rainfall precisely amounts every 10 minutes and automatically transmits the data to a centralized server.

This watershed initiative is expected to have wide-ranging implications for the community. Firstly, it facilitates accurate and real-time rainfall monitoring, providing invaluable insights into precipitation patterns and enabling precise weather forecasting. Armed with this data-driven approach, village authorities can make well-informed decisions concerning water allocation, crop planning, and the mitigation of extreme weather-related impacts.

Moreover, the SMART RAIN GAUGE system actively supports rainwater harvesting endeavors, a vital component of sustainable water management. By precisely measuring rainfall levels, the project assists in evaluating the potential for rainwater collection and storage, thereby promoting optimal water usage throughout the village. This, in turn, will fortify agricultural practices, irrigation systems, and overall water resource planning. The successful implementation of the SMART RAIN GAUGE project is the result of close collaboration between the KPRIET-UBA Cell and the Civil Engineering Department. Their concerted efforts reflect a shared commitment to harnessing technology for the betterment of society and addressing the pressing water management challenges faced by rural communities.

The SMART RAIN GAUGE project's introduction epitomizes the KPRIET-UBA Cell's unwavering dedication to promoting sustainable development and enhancing the quality of life in adopted villages. With its potential to revolutionize water management practices, this initiative heralds a new era of efficient resource utilization. It lays a solid foundation for a more resilient and water-secure future.

As the project gains momentum, the KPRIET-UBA Cell remains resolute in its commitment to the well-being of Kaduvettipalayam Village,

striving to expand and enhance water management initiatives for the community's benefit.

KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC "A") | Department of Civil Engineering

Great Place To Work. Certified

UBA ACTIVITY

SUSTAINABLE DEVELOPMENT GOALS | G20 | kpriet.ac.in | /KPRIETonline

Click to View

Click to View

Click to View

***** END *****