

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Report for the **IEEE HTB SIGHT project Bridging Digital Inequalities amongst the Urban and Rural School Students** (23-HTB-010).

The project was implemented at Government High School, Valayapalayam, Erode.

There are three workshops have been conducted under this project. The first workshop is **Waste to Wealth**, was organized on **October 16, 2023, Erode**. It was coordinated by Dr. Sasikala. It was a transformative experience centered around responsible waste management and environmental sustainability.

Mrs. Anik Niknao, an expert from Nilgiris, led the workshop, demonstrating the conversion of disposable items into valuable assets. Students engaged in hands-on projects, creating a bracelet from used straws, a spiral wall hanging from used bottles, and a flower wall hanging using egg trays.

The session commenced with Mrs. Niknao's insightful address, emphasizing the significance of waste-to-wealth transformation. The projects showcased not only the potential of repurposing plastic items but also conveyed a crucial lesson on responsible waste management.

This initiative not only educated students on environmental sustainability but also instilled a sense of responsibility towards waste reduction.

The Waste to Wealth workshop successfully transformed disposable items into valuable assets, educating students on responsible waste management. The outcome instilled a sense of environmental sustainability and provided a practical understanding of waste-to-wealth concepts through engaging, hands-on projects.

The second workshop was **Innovesta** held on November 18, 2023, commenced with a welcoming address, setting the stage for a day dedicated to fostering innovation and educational enrichment. It was coordinated by Dr.S.Sasikala C Dr.P.Thirumoothi. The event's primary objective was to promote Science, Technology, Engineering, and Mathematics (STEM) activities among the participating students.

The subsequent presidential address elucidated the chosen theme, "Bridge to the Tech Future," emphasizing its immediate relevance to the students. Beyond immediate relevance, the address underscored the broader importance of robust STEM education in shaping the future academic and professional trajectories of the students. A session on troubleshooting computers was provided by Mr.T.Arasilankumaran.

The conclusion of Innovesta involved a succinct vote of thanks, encapsulating the essence of the event. It provided a concise summary of each address, expressed gratitude to all participants, organizers, and contributors, acknowledging their pivotal role in the success of Innovesta.

Innovesta, promoted STEM activities, showcased diverse projects, and conducted workshops. Active student participation and positive feedback highlighted the event's success, fostering a holistic learning environment and bridging the gap between theoretical knowledge and practical application.

On January 4, 2024, the **"Bridge to the Tech Future"** was organized which focusing on narrowing the digital divide between urban and rural school students. It was coordinated by Dr. Sasikala S, Dr. Premalatha K, and Mr. Arun Kumar S, the workshop aimed to enhance technological literacy

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among students. The event welcomed both internal and external participants, with four students and four faculty members from the hosting school.

The purchase Computers and other Accessories are installed and demonstrated. Sponsored by IEEE HAC, the initiative received valuable support, emphasizing the commitment to fostering digital inclusivity. The session commenced with a presentation from Dr. Sasikala S and Dr. Premalatha K, outlining the significance of the theme in the context of educational disparities.

The practical aspect of the event involved the distribution and installation of monitors, printers, and projectors, improving the school's technological infrastructure. Additionally, hands-on experience with Microsoft platforms such as Excel, PowerPoint, and Word were provided, contributing to the students' technological proficiency.

The event successfully aligned with its goals, promoting digital awareness and providing practical exposure to bridge the digital gap. The feedback received indicated a positive response, showcasing the effectiveness of the session in achieving its educational objectives.

### 1. Photos

#### Innovesta:

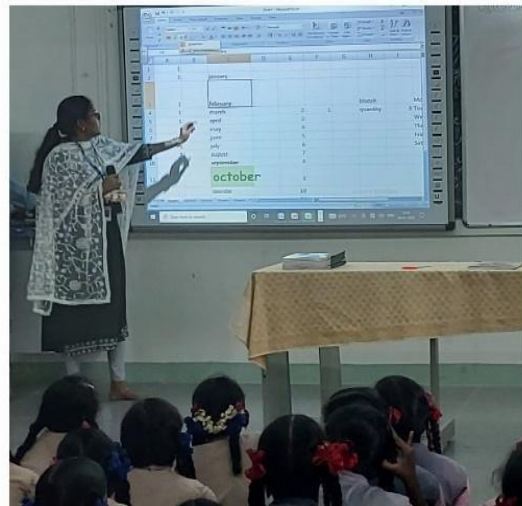
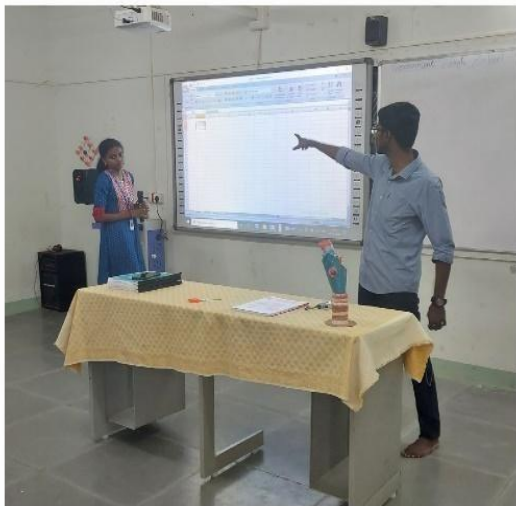


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**Bridging Digital Inequalities Event:**

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**Waste to Wealth:**





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