

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

**Empowering Young Minds: School Outreach for Knowledge Enrichment**” was organized by Department of Electronics and Communication Engineering on 4th April 2024 at PUM School, Thimmampalayam, Karamadai Block, Coimbatore.

A school outreach program was organized by Department of Electronics and Communication Engineering on 4th April 2024 at PUM School, Thimmampalayam, Karamadai Block, Coimbatore. The program was coordinated by **Dr.K.Thilagavathi, AP-III/ECE, Mr.K.Karthik, AP-II/SFS-Chemistry, Ms.K.Jasmine, AP-II / ECE and Ms.S.Nagarathinam AP- III/ ECE.**

130 students of standard one to eight and 6 Teachers attended the program. The session started at 10.00 am with welcome address given by **Dr.K.Thilagavathi** followed by the video about KCT was played. Consequently, awareness on Personal Hygiene and Evolution of Electronics were presented by **Ms.S.Nagarathinam**. She insisted that the personal hygiene has been a fundamental aspect of human life since ancient times. Practices such as bathing, grooming, and dental care have evolved over millennia, driven by cultural, social, and technological advancements. Also, she discussed about the evolution of Electronics from basic electrical devices to the digital revolution and the Internet of Things.

Combating Plastic Pollution and Global Warming were addressed by **Mr.K.Karthik, AP- II/ SFS-Chemistry**. The objective of this topic was to educate students about the pressing issues of global warming and plastic pollution, to create awareness about their causes and effects, and foster discussions on mitigation strategies and individual responsibility. An animated video on global warming was telecasted, providing an overview of its causes, effects, and implications for the environment and society. Following the video, a discussion session was held to deepen understanding and address questions from the students. A brief presentation was delivered on the impacts of plastic pollution on the environment and human health. The session highlighted the importance of reducing plastic consumption, proper waste management, and alternatives to single-use plastics. Students actively participated in discussions on mitigation strategies for global warming, including the importance of renewable energy, afforestation, sustainable transportation, and individual lifestyle changes. The session encouraged critical thinking and empowered students to explore practical solutions to environmental challenges.

**Dr.K.Thilagavathi** gave a talk on the effect of radiation which is emitted from Mobile phones and its precaution measures. The effects of mobile phone radiation have been a topic of ongoing research and debate. While mobile phones emit non-ionizing radiation, which is generally considered less harmful than ionizing radiation, there are concerns about potential health effects from long-term exposure. Studies have explored links between mobile phone use and conditions like headaches, sleep disturbances, and a possible increased risk of certain types of brain tumours. However, conclusive evidence regarding the direct impact of mobile phone radiation on human health is still lacking. As a precautionary measure, it's advised to use hands-free options, limit screen time, and maintain a safe distance from the body when using mobile devices.

**Ms.K.Jasmine** discussed on Career Opportunities. She explored the list of courses available for choosing the career path after completing standard Twelve. The objective of the session was to underscore the critical role of career guidance in empowering students and providing them with the necessary tools and support to navigate their career paths successfully. She emphasized the significance of career guidance in helping school students to make correct decisions about their future paths. Clarifying Goals, Maximizing Potential, Skill Enhancement, Educational Planning, Career Readiness, Personal Development, Awareness of Opportunities were covered.

Finally, motivational talk and quiz were conducted by the Coordinators and then the students interacted with the coordinators.

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The programme came to an end at 12.30pm with the vote of thanks given by **Dr.K.Thilagavathi** and school HM **Ms.N.Kalai Selvi** followed by the distribution of prizes and mementoes to the students.

