

# NEWSLETTER

## ELECTRONICS & TELECOMMUNICATION DEPARTMENT

### AVISHKAR 2024

E&TC Students Shine at Zonal Level in Avishkar 2024

E&TC students from Trinity College of Engineering and Research participated in Avishkar 2024 at the Zonal Level, presenting their innovative project, "Cloud-Enhanced IoT-Based Smart Speed Breaker Control System." The project showcased a smart solution to manage traffic and improve road safety using IoT and cloud technologies. Their exceptional presentation and technical skills were highly appreciated, reflecting the department's commitment to innovation and excellence.

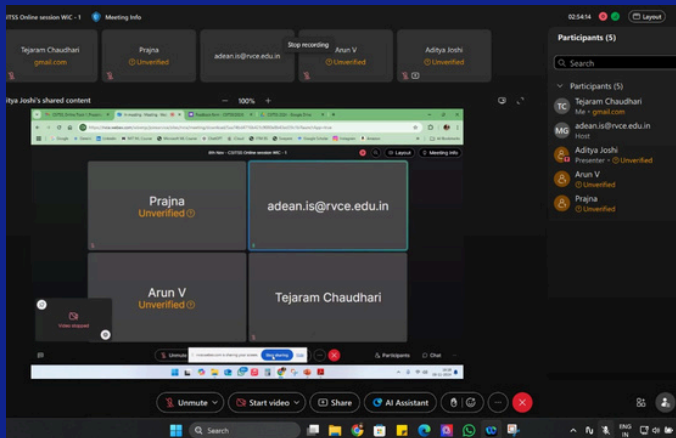


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## ELECTRONICS & TELECOMMUNICATION DEPARTMENT

### Guest Lecture on "Digital Circuits"

The Electronics and Computer Engineering Department of Zeal College of Engineering and Research, Pune, organized an insightful guest lecture on "Digital Circuits" for SE students. The session was delivered by Prof. Prathiba Mam, who provided a comprehensive understanding of key concepts such as logic gates, combinational and sequential circuits, and their real-world applications. With an interactive approach, the lecture encouraged students to actively participate, ask questions, and clarify their doubts. The session successfully enhanced students' knowledge and understanding of digital circuits, aligning with the department's vision of fostering academic excellence and preparing students for industry challenges.



### PAPER PRESENTATION



BE Students Present Paper on Post-Quantum Cryptography in Scopus-Indexed Journal

Final-year BE students Joshi Aditya, Chaudhari Tejaram, and Patil Sumit from Trinity College of Engineering and Research achieved a significant milestone by presenting a research paper titled "Guarding Against Quantum Threats: A Survey of Post-Quantum Cryptography Standardization, Techniques, and Current Implementations" in a prestigious Scopus-indexed journal.

The paper provides a comprehensive survey of the challenges posed by quantum computing to current cryptographic systems and explores emerging post-quantum cryptographic techniques and their standardization efforts. It also delves into the practical implementations of these techniques to safeguard digital security against quantum threats.

This accomplishment reflects the students' dedication to research and innovation, and their contribution to addressing critical technological challenges is highly commendable. It also highlights the institution's commitment to encouraging academic excellence and fostering research-oriented learning.