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Report on the Guest Lecture '6G COMMUNICATION '

The Department of Advanced Communication Technology organized a guest lecture on the topic '**6G COMMUNICATION**'. The lecture was held on 9th November 2024, in Seminar Hall-4 from 10.30 am to 12:30 pm. A total of 101 Students from 3rd semester ACT, EEE and CSD attended the lecture. The Guest Lecture was presided by Dr. Srinivas L Gombi, Dean Academics. The lecture was delivered by Mr. Jishnu Aravindakshan, Principal Product Architect, Tejas Networks, Bangalore.

Dr. Srinivas L Gombi presenting a bouquet to Dr. Jishnu Aravindakshan

The event started at 10:45 am with a welcome speech delivered by Mayur V and an introduction of guest was presented by Preethi 3rd semester students of ACT department after which Mr Jishnu Aravindakshan delivered the lecture "6G COMMUNICATION".

Mr. Jishnu Aravindakshan delivering the lecture on "6G COMMUNICATION"

Student Interacting with the Guest during the lecture on "6G COMMUNICATION"

OUTCOME OF THE EVENT

The guest lecture "6G COMMUNICATION" provided students with a comprehensive understanding of key topics in basics of COMMUNICATION. Students gained insights into basic communication systems based on 3G,4G ,5G schemes and how the present communication systems can be improved for 6G Communication. The session also introduced students to the evolution from 5G to 6G, explaining the motivations and the transformative potential of 6G technology. The lecture will cover the key features of 6G. Students will learn about the

anticipated changes in network architecture, including the integration of intelligent surfaces, reconfigurable networks, and seamless fusion of communication, sensing, and computing systems. The session will also address the technical challenges in 6G development. By exploring current research directions and global trends, the lecture will provide insights into the interdisciplinary nature of 6G and its potential to revolutionize communication, healthcare, smart cities, and education. emerging trends in communication technologies, helping students connect theoretical knowledge with real-world challenges. Overall, the lecture enhanced the technical skills and fostered discussions that opened opportunities for further learning and collaboration.