Department of Computer Science and Engineering

Event Report

Title	Industrial Visit to Nokia
Date	21-10-2024
Time	9 AM – 4:30 PM
Venue	**Manyata Tech Park, Bengaluru**
Brief Description with high resolution Photos	On October 21, 2024, students of 5th semester Computer Science and Engineering had the opportunity to attend the 10th edition of the University Day program organized by Nokia Networks at Manyata Tech Park, Bangalore. This event marked a decade of collaboration between Nokia and various universities through the Nokia Bangalore University Collaboration Conclave (NBUC). The program aimed to highlight advancements in 5G and 6G technologies, innovation in AI, and future trends in India's engineering, research, and development sectors.

Mr. Kishore Patil, co-founder and CEO of KPIT discussed the future of global Engineering Research & Development (ER&D) and the growing importance of AI, 5G, and 6G across industries like telecom, aviation, and sustainability. He emphasized India's rapid movement towards becoming a strong economic power by 2030, underscoring the importance of continuous learning, prompt engineering, and design thinking for professionals.

Ms. Ponni, Director of the Central Lab at Nokia Mobile Network, shared insights into NBUC's vision and partnerships with organizations like IEEE, ITU, and NASSCOM. She highlighted the progress of NBUC since its founding on October 29, 2014, mentioning the collaboration with over 18 colleges and providing specialized learning to nearly 25,000 students on topics such as 4G Advanced, 5G, AI, and ML. She emphasized the importance of hands-on |

experience for students and faculty, especially through visits to Nokia's Bell Labs, Networks Labs, and the 6G Lab.

Lab Visits, Stalls and Exhibitions:

Students had the opportunity to explore Nokia's various labs, including the SRN (System Radio Networks) lab, which showcased a range of network technologies from 2G to 4G, cloud storage, and hardware devices. The instructor provided a detailed explanation of these technologies. In the 6G Lab, they observed a demonstration involving the transmission and reception of data over 6G wave points, using AI and ML to optimize data flow through an OFDM algorithm. There were several project exhibits from different institutes, with AI-based innovations like PDF automation, dynamic service aggregation, bird recognition AI, and LDPC (Low-Density Parity- Check) technologies. These projects demonstrated real-world applications of AI in networking.

Report prepared by:

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