

Institution	EAST POINT COLLEGE OF ENGINEERING AND TECHNOLOGY				
Department	ELECTRONICS AND COMMUNICATION ENGINEERING				
Event Type / Theme Please Tick (v) appropriate	ClubActivities/IndustrialVisit/Guest Lecture/InvitedTalk/Workshop/FDP/Seminar / Webinar / Conference /Sports Event /NSS Activity / Cultural EventOthers(PleaseMention): Technical Talk				
Event Title	Massive MIMO Intelligent Surfaces: Shaping the Future of 6G Networks				
Date	15/10/2025		Time	10:00AM	
Venue	Online				
Duration	2Hr	From:	10:00AM	To:	3.30PM
Program Objective	To bridge the curriculum gap by introducing the latest advancements in 6G communication, focusing on Massive MIMO and Intelligent Reflecting Surfaces (IRS). To provide insights into how Massive MIMO enhances capacity, coverage, and energy efficiency in next-generation wireless networks. To understand the concept of Intelligent Surfaces and their role in shaping smart radio environments. To familiarize students with research challenges and future directions in 6G technologies. To motivate students to undertake innovative projects and research work in advanced wireless communication domains. To enhance students’ readiness for careers in telecommunications, networking, and emerging wireless technologies.				
Engineering Knowledge Students gain knowledge of advanced communication technologies beyond syllabus content.					
Problem Analysis Understanding technical challenges like pilot contamination and channel estimation in Massive MIMO and IRS systems.					
Design/Development of Solutions Exposure to how 6G technologies can be designed and optimized for better network performance.					
Modern Tool Usage Awareness of simulation tools and techniques used in 6G research(MATLAB, Python, CST, etc.).					
Ethics Discussion on ethical and sustainable development of next-generation communication systems.					
Individual and Team Work Encourages collaborative learning through interaction and discussion duringthe session.					
Communication Enhances technical communication skills through participation and Q&A.					
Life-long Learning Motivates continuous learning in fast-evolving					

1.Names of the Resource Persons/Chief Guests /Guests of Honors/Other’s Mention	Dr. Swetha Amit
2.Designation/s	Research Scientist & Founder
3.Company’sName/Associations	SmartBeam Resonetics Bengaluru, Karnataka, India
Total Number of Participants	118
Total number of Participants in <i>Google</i> Meet	
Total number of feedbacks received through Google formsfrom both Google meet and YouTube	
Total Number of Views(First Day)in YouTube	NA
Photos	 
VideoRecordingLink/YouTubeLink	:(Incaseofvirtualevent)