

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**  
**Industry Institute Interaction Cell**

**Report on "The expanding horizons of mobile networks beyond 5G"**

1	<b>Name of the Activity</b>	Expert lecture on "The expanding horizons of mobile networks beyond 5G"		
2	<b>Date of Activity/Event</b>	26-04-2024		
3	<b>Organized by/Name of the committee</b>	Dept. of Electronics & Communication Engineering/IIC		
4	<b>Place of Activity/event</b>	ECE Seminar Hall, Block B, Narayana Engineering College, Nellore		
5	<b>Resource Person/guest/organization</b>	Mr. G. Sukumar, Divisional Engineer, Telecommunications, BSNL- Nellore.		
6	<b>Type of activity/Event</b>	Expert Lecture(IIC)		
7	<b>Activity/Event Objectives</b>	<ol style="list-style-type: none"> <li>1. To understand the mobile networks</li> <li>2. To understand all generations of mobile networks</li> <li>3. To get deep knowledge in wireless and mobile communications, handoffs etc.</li> </ol>		
8	<b>Participation</b>	Students	Faculty	Total
		118	-	118
9	<b>General remarks</b>	The session is helpful in getting deep knowledge in mobile communications		

## A BRIEF DESCRIPTION OF THE EVENT:

As a part of industry institute interaction, the Department of Electronics and Communication engineering, Narayana Engineering College, Nellore has conducted an expert lecture on **“The expanding horizons of mobile networks beyond 5G”** on 26-04-24 for third year ECE students. The Resource Person for the event is Mr. G. Sukumar, Divisional Engineer, BSNL, Nellore.



SK. Mohasinlal( Anchor of the session) welcoming the resource person

Divisional Engineer, BSNL, gave an elegant lecture on mobile networks beyond 5G. He covered all the generations from 1G to 5G and its beyond. He also covered the following topics:

- Evolution of Mobile Communications
- Major components of mobile communications
- Why is it called a cellular phone
- Handoffs
- Cell coverage for signal and traffic



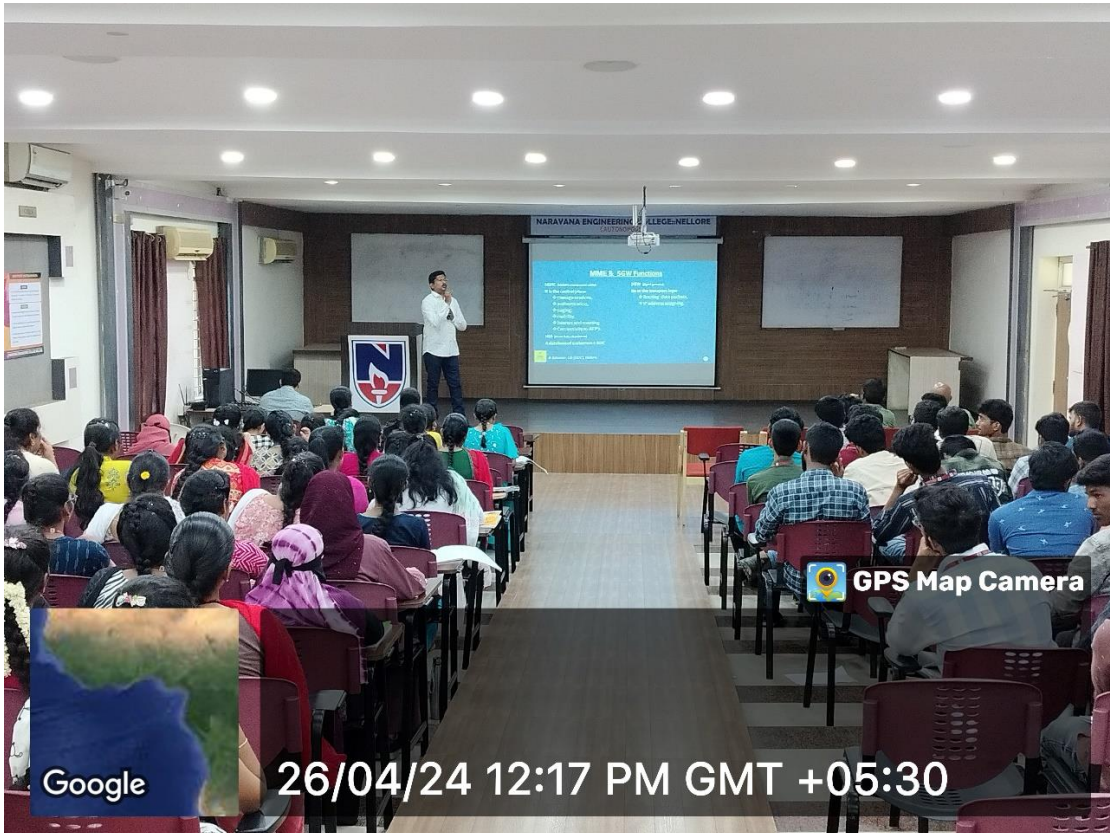
Resource person explaining about the evolution of mobile communication



Resource person discussing about the handoffs



III B.Tech ECE Students Sec. B and Sec. C

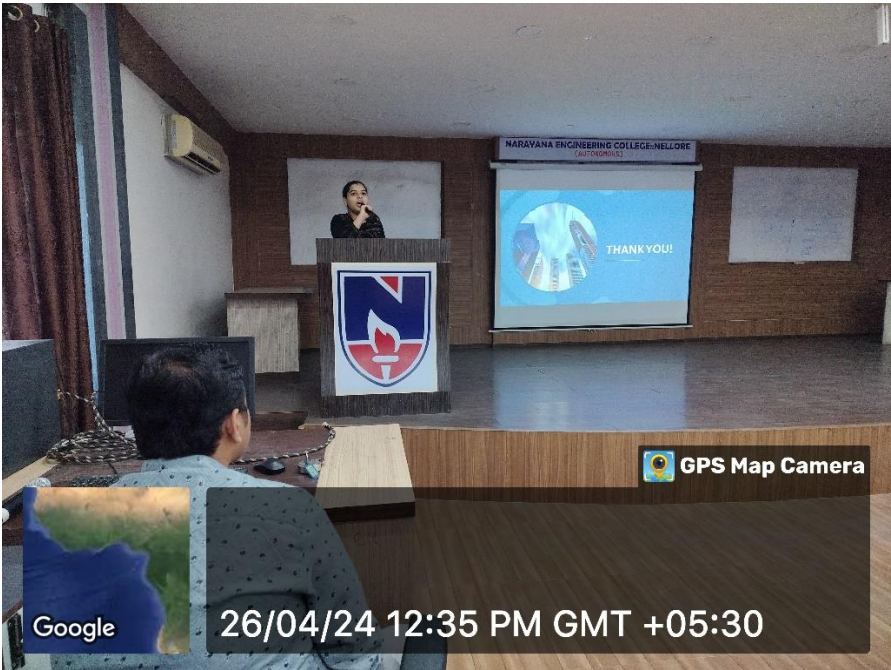


Speaker explaining about the Cell coverage for signal & traffic

Later the resource person clarified the doubts asked by the students and the department of ECE expressed gratitude to the resource person for giving valuable suggestions regarding various generations of mobile networks and opportunities in the same field.



Resource person clarifying the students doubts



Third B.tech ECE student Sk. Mohasinlal proposed a vote of thanks to the Speaker.