Date: 08/02/2020

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

REPORT ON 5G Communications

1	Name of the Activity/Event	A Technical talk on "5G Communications"		
2	Date of Activity/Event	**06/02/2020**		
3	Organized by/Name of the committee	Dept. of Electronics & Communication Engineering		
4	Place of Activity/event	Narayana Engineering College, Nellore		
5	Resource person/guest/organization	P. Sudheer Babu, DE, BSNL, Nellore		
6	Type of activity/Event	Technical Talk(IIIC)		
7	Activity/Event objectives	1. To make students Conceptually aware of 5G Communications 2. Applications of 5G Communications		
8	Participation	Students	Faculty	Total
		109	-	109
9	General remarks	1. The sessions are helpful to the students for doing their final projects		
10	Suggested Improvements	1. It would be useful if there is hands – on session using Matlab for implementing various 5G technologies.		
11	Enclosures	1. Request letter 2. Circulars 3. Report 4. Attendance		
12	Signature of In charge/convener			

A BRIEF DESCRIPTION OF THE EVENT:

Department of Electronics and Communication engineering has conducted a technical talk on **"5G Communications"** under IIIC for III B-Tech E.C.E students. The Resource Person for the event is Mr. P. Sudheer Babu, DE, BSNL, Nellore.

The session was inaugurated in the presence of Head of the Department, faculty members of the department and the Resource Person around 11AM on 06/02/2020. Dr.K.Murali, Head of the ECE Department initiated the session with motivating words and encouraged the students to be interactive during the session. He addressed the gathering and shared few words based on the topic selected for the technical talk. Later the session was handed over to the Resource Person Mr. P. Sudheer Babu, DE, BSNL, Nellore.

He briefed the students regarding 5G communication. Wireless communication technology has grown and advanced significantly over the years through research and innovation. The time has come when we can connect various wireless technologies, networks, and applications simultaneously. This latest technology is called 5G. The fifth generation wireless system (or 5G for short) is now the next generation of wireless communication systems. It is the next major phase of mobile telecommunications standards beyond the current 4G.

5G technology going to be a new mobile revolution in mobile market. Through 5G technology, we can use worldwide cellular phones and this technology also strike the china mobile market and a user being proficient to get access to Germany phone as a local phone. With the coming out of cell phone alike to PDA now your whole office in your finger tips or in your phone. 5G technology has extraordinary data capabilities and has ability to tie together unrestricted call volumes and infinite data broadcast within latest mobile operating system. 5G technology has a bright future because it can handle best technologies and offer priceless handset to their customers. May be in coming days 5G technology takes over the world market.

5G Technologies have an extraordinary capability to support Software and Consultancy. The Router and switch technology used in 5G network providing high connectivity. The 5G technology distributes internet access to nodes within the building and can be deployed with union of wired or wireless network connections. The current trend of 5G technology has a glowing future. The motive of this seminar was that students can understand the grooming technologies in the area of communications. The session was concluded around 12:40 PM and a total of 109 students attended the session.