



Department of Electronics and Communication Engineering LNCTE Bhopal

Publicity Report of July 2021

- An **Online Webinar** organised by Department of EC LNCTE on **”5G Technology- Role of Electronics Engineer”** by **Mr. Sumit Saxena, “SR SDE Training Management BSNL”** on **Wednesday 14-07-2021 from 12:00 to 01:00PM**) for the students of **EC 4th semester LNCTE** Students. The session was too Interactive, Informative and interesting for students which deals with next generation of wireless network, 5G & Beyond wireless technology. The session was delivered successfully under the guidance of **Dr. Abhinav Bhargava (HOD EC LNCTE)**, Coordinated by **Prof. Rajdeep Shrivastava (Associate Professor)**.

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ISTE CHAPTER LNCTE
Department of Electronics and Communication
Organizing

Webinar On
5G Technology
"Role of Electronics Engineer"

Wednesday, 14 July, 2021
12:00pm to 1:00pm
<https://bit.ly/3AECJdG>
Meeting ID: 920 2662 7443
Passcode: 12345

Speaker
Sumit SAXENA
SR.SDE Training MGMT BSNL

Coordinators:
Dr. Abhinav Bhargava
Prof. Rajdeep Shrivastava

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4G LTE

DRAWBACKS OF 4G

- *Battery uses is more*
- *Hard to implement*
- *Need complicated hardware*
- *Expensive equipment required to implement next generation network.*

On/off Sleep/wake

Volume up/down Ring/silent

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Recording

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View Options

Sanket Choudhary

SUMIT SAXENA

Dr. Tarun Varma EC L...

Dr.Soni Changlani EC...

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Participants 68

Chat

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4G LTE

COMPARISON BETWEEN 3G Vs 4G

The basic difference between 3G and 4G is in data transfer and signal quality.

Technology	3G	4G
Data Transfer Rate	3.1 MB/sec	100 MB/sec
Internet Services	Broadband	Ultra Broadband
Mobile - TV Resolution	Low	High
Bandwidth	5-20 MHz	100MHz
Frequency	1.6-2 GHz	2-8 GHz
Download and upload	5.8 Mbps	14 Mbps

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Participants: Sanket Choudhary, SUMIT SAXENA, Dr. Tarun Varma EC L..., Dr. Soni Changlani EC...

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5G Communications

BENEFITS OF 5G TECHNOLOGY

- High Speed, High Capacity
- 5G technology providing large broadcasting of data in Gbps.
- Multi - Media Newspapers, watch T.V pro with the clarity as to that of an HD Quality.
- Faster data transmission that of the previous generations.
- Large Phone Memory, Dialing Speed, clarity of Audio/Video.
- Support interactive multimedia, voice, streaming, Internet and other
- 5G is More Effective and More Attractive.



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Participants: Sanket Choudhary, SUMIT SAXENA, Dr. Tarun Varma EC L..., Dr. Soni Changlani EC...



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY EXCELLENCE, BHOPAL

- An online webinar is organized by LNCTE college on “**Why ECE? Career options and Opportunities for ECE branch**” for 12th standard students on 1st July 2021 from 11:00AM to 12:00PM under the guidance of Dr. Abhinav Bhargava (HOD, EC LNCTE) under the coordination of Prof. Varsha Rajoria (Assistant Professor).

ISTE CHAPTER LNCTE

Webinar on
WHY ECE ? CAREER OPTIONS AND OPPORTUNITIES FOR ECE BRANCH

Organized By :
**LNCT group of colleges, Bhopal
Department of Electronics and Communication**

 **1ST, JULY 2021
11:00AM - 12:00PM**

 **Meeting ID: 929 5280 2035
Passcode: 12345**

**Moderator:
Prof. Varsha Raioria**

**Coordinator:
Dr. Abhinav Bhargava**

       

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