



# LAKSHMI NARAIN COLLEGE OF TECHNOLOGY & SCIENCE, BHOPAL

Kalchuri Nagar, Raisen Road, P.O- Kolua, Bhopal - 462022 (M.P)

Department of Electronics and Communication Engineering LNCTS Bhopal

## Publicity Report of April 2021

- An Online Expert talk session organised by Department of EC LNCTS on "mmWave Communication: Future of Wireless Network " by Dr. Anand Agrawal, "Assistant Professor, Indian Institute of Information Technology, Kota" on Thursday 01-04-2021 from 11:45AM to 12:45PM) for the students of EC 4<sup>th</sup> semester LNCTS 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. Soheb Munir (HOD EC LNCTS), coordinated by Prof. Sanket Choudhary (Assistant Professor).







Recording

## Next Generation of Wireless Networks

mm-Wave Communication at 60 GHz



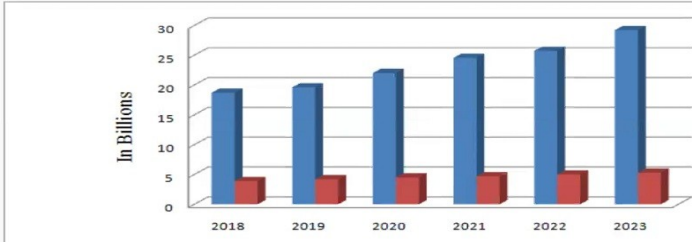
**ANAND AGRAWAL**

Department of Electronics and Communication Engineering  
Indian Institute of Information Technology Kota  
MNIT Campus Jaipur  
India-302017  
Email: anand.ece@iiitkota.ac.in  
Webpage: <http://www.iiitkota.ac.in/anand>

Recording

## 5G AND BEYOND WIRELESS TECHNOLOGY CONTD...


### GLOBAL INTERNET USERS AND DEVICE CONNECTIONS GROWTH :<sup>5</sup>



	2018	2019	2020	2021	2022	2023
Device Connections	18.7	19.6	22	24.56	25.72	29.21
Internet users	3.9	4.2	4.5	4.7	5	5.3

<sup>5</sup><https://www.cisco.com/c/en/us/solutions/collateral/executive-perspectives/annual-internet-report/white-paper-c11-741490.html>

8



Recording

Switch to Shared Content

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You are viewing anandagrawal's screen

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anandagrawal

Unmute

Start Video

Participants 252

Chat

Share Screen

Record

Reactions

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Zoom Meeting

Recording

5G AND BEYOND WIRELESS TECHNOLOGY CONTD...

KEY FEATURES 5G:

5G: Three Key Features

You are muted. Press Alt+A to unmute your microphone, or press and hold the SPACE key to temporarily unmute.

1 Million/KM<sup>2</sup> Connections      1 ms Latency      10 Gbit/s Peak Speed

Participants (255)

Find a participant

- Saiyed T (Me)
- LNCT Faculty 4 (Host)
- anandagrwal (Co-host)
- Dr. Bhanu Pratap Sing... (Co-host)
- Dr. Abhijeet Gupta (Co-host)
- Saiyed T (Co-host)
- "Aditi Saxena"0157EC191011
- (0157EC191053)Jahnavi .
- (0157EC191117)tamanna kumari
- (141)0103EC191145 Raj Tripathi
- (143)0103EC191147 Ravish Kum...
- (144)0103ec191148 Richa singh
- (150) 0103EC191154 RITURAJ V...
- (153) 0103EC191157 Roshni Na...

12:17 PM 4/1/2021

Zoom Meeting

Recording

5G AND BEYOND WIRELESS TECHNOLOGY CONTD...

AVERAGE MOBILE NETWORK CONNECTION SPEEDS BY REGION AND COUNTRY:<sup>8</sup>

	2018	2019	2020	2021	2022	2023
Global Speed (in Mbps)	13.2	17.7	23.5	29.4	35.9	43.9
Asia Pacific (in Mbps)	14.3	18	24.7	32.4	39	45.7
Latin America (in Mbps)	8	11.2	15.7	21.1	24.8	28.8
North America (in Mbps)	11.6	27	34.9	42.4	50.6	58.4
Central and Eastern Europe (in Mbps) <sup>8</sup>	12.9	15.7	21.3	30.3	36.1	43
Middle East and Africa	6.9	9.4	13.3	17.6	20.3	24.8

<sup>8</sup>[Online]. Available: <http://www.cisco.com/c/en/us/solutions/collateral/service-provider/visualnetworking-index-vni/white-paper-c11-520862.html>.

Participants (266)

Find a participant

- Sanket Choudhary (Me)
- LNCT Faculty 4 (Host)
- anandagrwal (Co-host)
- Dr. Bhanu Pratap Sing... (Co-host)
- Dr. Abhijeet Gupta (Co-host)
- Saiyed T (Co-host)
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- (153) 0103EC191157 Roshni Na...

12:12 PM 4/1/2021





# LAKSHMI NARAIN COLLEGE OF TECHNOLOGY & SCIENCE, BHOPAL

Kalchuri Nagar, Raisen Road, P.O- Kolua, Bhopal - 462022 (M.P)

- An **Online Expert talk** session organised by Department of EC LNCT Son "Converting an idea into Reality for brighter future" by Mr. Mohammad Tahseen, "Web & Mobile Application Developer(An LNCT Alumni)" on **Thursday 08-04-2021 from 02:45PM to 03:45PM** for the students of EC 4<sup>th</sup>semester LNCTS Students. The session was too Interactive, Informative and interesting for students which deals with how to search good jobs, How we should prepare to do campus, what else can be done except Jobs etc. The session was delivered successfully under the guidance of **Dr. Soheb Munir(HOD EC LNCTS)**, Coordinated by **Prof. Shaeba Khan (Assistant Professor)**.

Department of **Electronics & Communication** ISTE CHAPTER LNCTS

Topic of Expert Talk  
**"CONVERTING AN IDEA INTO REALITY FOR BRIGHTER FUTURE"**

Thursday, 8 April 2021

Coordinators:  
Dr. Soheb Munir  
Prof. Shaeba Khan

**EXPERT**  
**MR. MOHAMMAD TAHSEEN**  
Position: Working as a Web and Mobile Application Developer. And Founder of the Split Money App.

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Recording You are viewing Tahseen Quraishi's screen View Options

Who has a dream to work in a **call centre** or **tech support**?

Split Money

Tahseen Quraishi

Audio Start Video Participants 217 Chat Share Screen Record Reactions Leave



Zoom Meeting - Recording

Who am I?

Participants (215)

- DA Dr. Aparna Gupta (Me)
- LF LNCT Faculty 9 (Host)
- Tahseen Quraishi (Co-host)
- DM Dr M Zahid Alam (Co-host)
- (0157EC191053)Jahnavi .
- P (135)\_0103EC191139\_Pratik jain
- R (143)0103EC191147 Ravish Kum...
- R (144)0103ec191148 Richa singh
- (150) 0103EC191154 RITURAJ V...
- (160)\_0103EC191164 Sanskar Si...
- (S (161)\_0103EC191165 Sanu Kumar
- (167) 0103EC191171 Shreya Ku...
- (193)0103EC191197Yash jain
- 01 0103EC 191183 Sumit Kumar

6:32 PM 4/8/2021

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Try to find out your interest?

Participants 225

6:41 PM 4/8/2021

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Google top 10 jobs in 2021

About 3,46,00,00,000 results (0.62 seconds)

Here are 10 jobs you should choose in 2021 to earn big bucks and get rich quickly:

- Data Scientist. Several reports agree that 'Data Scientist' is the sexiest job of the 21st century. ...
- Product Manager. ...
- Cloud Architect. ...
- Full Stack Developer. ...
- Big Data Engineer. ...
- DevOps Engineer. ...
- Blockchain Developer. ...
- Mobile Application Developer.

10 highest-paying jobs of 2021 that can make you rich ...

6:43 PM 4/8/2021



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Google search: list of language need to learn for mobile application development

Results: About 1,36,00,00,000 results (0.75 seconds)

Programming Language You Can Consider For Your Mobile App Development

- Scala. If JavaScript is one of the most known, Scala is one of the newest programming languages available today. ...
- Java. ...
- Kotlin. ...
- Python. ...
- PHP. ...
- C# ...
- C++ ...
- Objective-C.

More items... • 19-Aug-2020

http://zesium.com • the-best-programming-languages-for-...  
**The Best Programming Languages for Mobile App ... - Zesium**

Split Money

People also ask

Tahseen\_Quraishi

6:51 PM 4/8/2021

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## Learning Sources

- YouTube
- Coursera
- Udemy
- UDACITY

Split Money

Participants: 210

Chat, Share Screen, Record, Reactions

Tahseen\_Quraishi

6:54 PM 4/8/2021

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### Graph 1. Market size of India's IT industry

US\$ (in billion)

Year	Market Size (US\$ in billion)
2008-09	66.87
2009-10	74.17
2010-11	88.45
2011-12	100.87
2012-13	108.51
2013-14	118.05
2014-15	146.4
2015-16	143
2016-17	154
2017-18	167
2018-19	181
2019-20	191

Data source: IBEF, Ministry of Commerce & Industry, Government of India

Split Money

Participants: 213

Chat, Share Screen, Record, Reactions

Tahseen\_Quraishi

6:48 PM 4/8/2021





# LAKSHMI NARAIN COLLEGE OF TECHNOLOGY & SCIENCE, BHOPAL

Kalchuri Nagar, Raisen Road, P.O- Kolua, Bhopal - 462022 (M.P)

- An Online Expert talk session organised by Department of EC LNCTS on "Indian space revolution and future opportunities " by Mr. Nitesh Kumar Agrawal, "Researcher, Dept. of Avionics, Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala" on Wednesday 28-04-2021 from 11:45AM to 12:45PM) for the students of EC 4<sup>th</sup> semester LNCTS Students under the guidance of Dr. Soheb Munir(HOD EC LNCTS), Coordinated by Dr. Amzad Quazi (Associate Professor).

Organized by :  
Lakshmi Narain College of Technology & Science, Bhopal  
Department of Electronics and Communication

28 NCA nif  
ACCREDITED COLLEGE

“ Expert talk on  
**Indian Space Revolution  
and Future Opportunities** ”

Calendar icon Wednesday,  
28 April 2021

ISTE & CSI CHAPTER LNCTS

Speaker  
**Niteshkumar Agrawal**

Researcher,  
Department of Avionics, Indian Institute of  
Space Science and Technology,  
Thiruvananthapuram, Kerala, India  
(Former researcher at LCU, China)



Microphone icon

Coordinators:  
Dr. Soheb Munir  
Dr. Amzad Quazi

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Participants (158)

Find a participant

Dr. Vivek Jain

12:57 28-04-2021

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India's first Satellite..

- India launched its first satellite **Aryabhata** in 1975 from Kapustin Yar.
- Named after the great Indian astronomer of the same name.
- Aryabhata** was built to conduct X ray astronomy, aeronomics, and solar physics.

Aryabhata Satellite (1975)

Participants (201)

Find a participant

Dr. Vivek Jain Joining...

In the Meeting (201)

12:08 28-04-2021





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Participants (205)

### Facts

- The budget of ISRO stands at < \$2 billion against ≈ \$20 billion of NASA, excluding private players like SpaceX (Elon Musk's), Blue Origin (Jeff Bezos' (Amazon)), Boeing, etc.
- Global space market is around \$350 billion.
- ISRO has a less than 2% share in world space industry.

13

Unmute | Start Video | Security | Participants | Chat | Share Screen | Reactions | More | End

Type here to search | 12:10 28-04-2021

Zoom Meeting | You are viewing NITESHKUMAR AGRAWAL's screen | View Options

Participants (204)

### Rocket Parts

18

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Type here to search | 12:17 28-04-2021



Zoom Meeting | You are viewing NITESHKUMAR AGRAWAL's screen | View Options

Recording | NITESHKUMAR... | Abhishek Anan... | MD SAQUIB S...

Participants (202)

- Dr. Abhijeet Gupta (Co-host)
- Dr. Bhanu Pratap Sing... (Co-host)
- Dr. Soni Changlani EC... (Co-host)
- Rahul Sharma (Co-host)
- Rohit Rathor EC Lnct... (Co-host)
- Soheh Munir (Co-host)
- (0103EC191103) KISHAN SINGH
- (0157EC191031) Atul Gupta
- (0157EC191053) Jahnvi
- (0157EC191060) Krishna Yadav
- (160) sanskar singh
- (163) 0103EC191167\_Saurav K...

Zoom Meeting | You are viewing NITESHKUMAR AGRAWAL's screen | View Options

Recording... | NITESHKUMAR... | Abhishek Anan... | MD SAQUIB S...

## Orbits

Please move this window away from the screen

- Lower Earth Orbit (LEO):**
  - 160 to 2000 km distance.
  - Remote Sensing : ex: Indian Nuclear Program.
  - 3 to 4 rounds
- Medium Earth Orbit (MEO):**
  - 2000 to 3600 km distance.
  - 2 rounds
- High Earth Orbit (HEO):**
  - 3600 km and above
  - Ex: Geostationary Satellite

Participants (202)

- Dr. Abhijeet Gupta (Co-host)
- Dr. Bhanu Pratap Sing... (Co-host)
- Dr. Soni Changlani EC... (Co-host)
- Rahul Sharma (Co-host)
- Rohit Rathor EC Lnct... (Co-host)
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- (0103EC191103) KISHAN SINGH
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- (0157EC191060) Krishna Yadav
- (160) sanskar singh
- (163) 0103EC191167\_Saurav K...



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Kalchuri Nagar, Raisen Road, P.O- Kolua, Bhopal - 462022 (M.P)

- An **Online Expert talk** session organised by Department of EC LNCTS on **”Virtualization in Telecom”** by **Mr. Sudhakar Pandey, Head-RAN Intelligent Operations, Rakutan Mobile Inc., Tokyo, Japan”** on **Thursday 29-04-2021** from **01:30 to 02:30 PM**) for the students of **EC 4<sup>th</sup> semester LNCTS** Students. The session was too Interactive, Informative and interesting for students which deals with Virtualization in telecom, ETSI Network Functioning, Open Ran reference Architecture with many more things. The session was delivered successfully under the guidance of **Dr. Soheb Munir (HOD EC LNCTS) & Prof. Litesh Bopche (Assistant Professor)**.

Organized By:  
Lakshmi Narain College of Technology & Science, Bhopal

ISTE CHAPTER LNCTS

“ Expert talk on  
**Virtualization in Telecom** ”

Thursday, 29 April 2021  
1:30PM to 2:30PM

Speaker  
**Mr. Sudhakar Pandey**  
Head - RAN Intelligent Operations  
Rakuten Mobile Inc.  
Tokyo, Japan



Organisers:  
Dr. Soheb Munir  
Prof. Litesh Bopche

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←



## About me

**SUDHAKR PANDEY**





- 18+ years of experience in managing Large scale Telecom & Information Technology (IT) project development & operations
- Played a key role in both project and Operations that can productionize and operate the underlying platform & Application in a product centric approach.
- delivered operational efficiency by reducing infrastructure spend over traditional and legacy operational approaches and transforming to Distributed DevOps.
- Good knowledge in 3g , 4G, 5G , IP , EMS , Cloud , Product management & principal research on emerging technologies
- Play a key Role in – TATA , Global cloud exchange , Reliance JIO / Airpsan
- Presently Working with Rakuten Mobile Inc –**Head –RAN Intelligent Operations –Tokyo Japan**


00:02:26 **CONFIDENTIAL** 2 Activate Windows  
Go to Settings to activate Windows. 00:50:50

🔊 🗨️ 🔍 ⏪ ⏸ ⏩ ⏴ ⏵ ⏶ ⏷ ⏸ ⏹ ⋮

←



## Virtualization & Containerization



00:01:17 **CONFIDENTIAL** 2 Activate Windows  
Go to Settings to activate Windows. 00:51:59

🔊 🗨️ 🔍 ⏪ ⏸ ⏩ ⏴ ⏵ ⏶ ⏷ ⏸ ⏹ ⋮

