LAKSHMI NARAIN COLLEGE OF TECHNOLOGY EXCELLENCE, BHOPAL

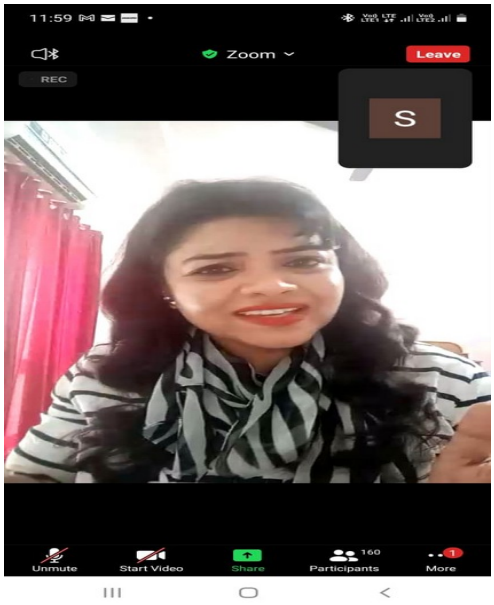
Department of Electronics and Communication Engineering LNCTE Bhopal

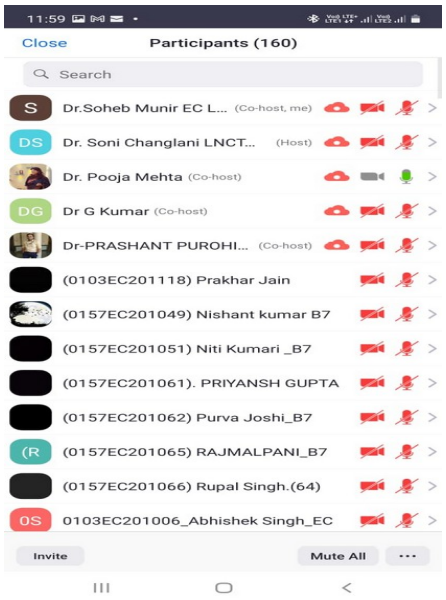
Publicity Report of August 2021

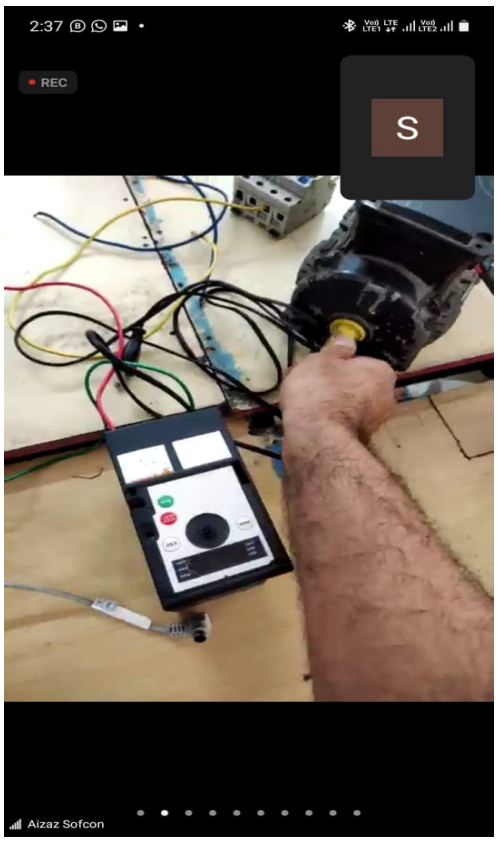
- An **Online In-house Internship** session organised by Department of **EC LNCTE** on **06-08-2021 10:30 to 11:30AM)** for the students **of EC 5th Sem LNCTE** Students. The session was too Interactive, Informative and interesting for students. The session was delivered successfully under the guidance of **Dr. Abhinav Bhargava (HOD EC LNCTE)** coordinated by **Prof. Santosh Kumar Jha (Assistant Professor).**

LAKSHMI NARAIN COLLEGE OF TECHNOLOGY EXCELLENCE, BHOPAL

- An **Online In-house Internship** session organised by Department of **EC LNCTE** from **09-08-2021** to **11-08-2021 11:30AM to 02:00 PM)** for the students **of EC 1st year LNCTE** Students. The session was too Interactive, Informative and interesting for students. The session was delivered successfully under the guidance of **Dr. Abhinav Bhargava (HOD EC LNCTE).**



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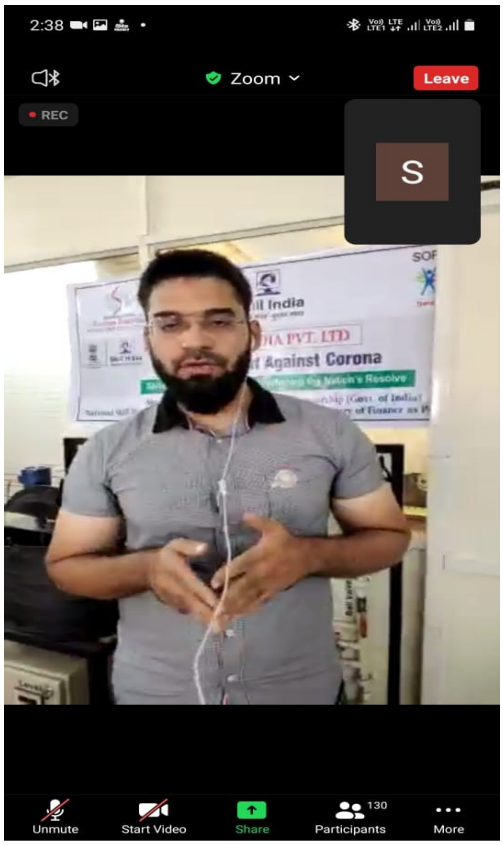
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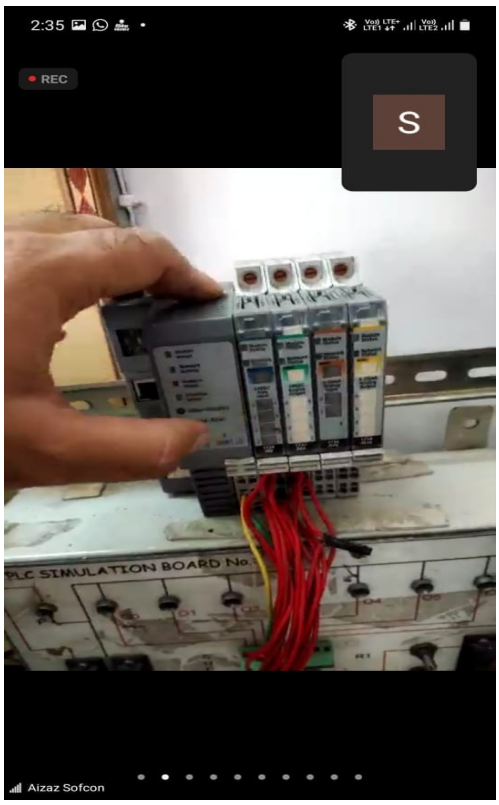
Participants
More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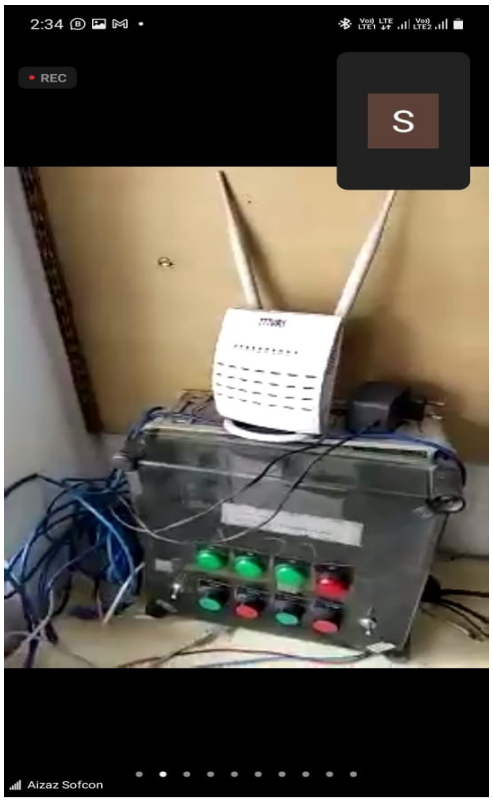
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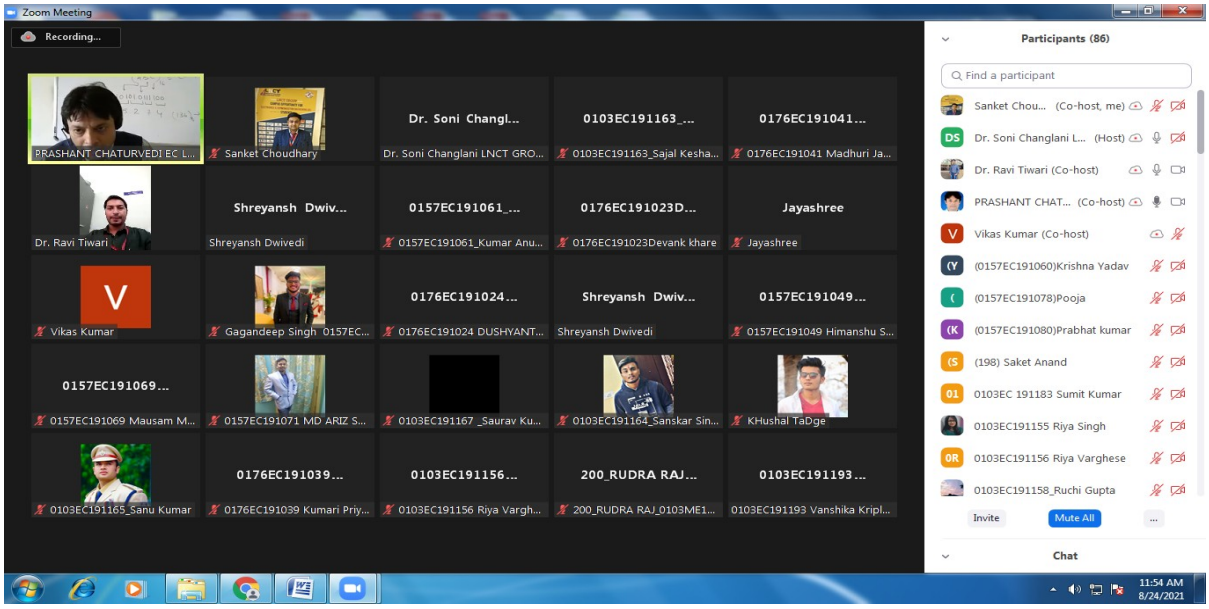
LAKSHMI NARAIN COLLEGE OF TECHNOLOGY EXCELLENCE, BHOPAL

- An **Online Webinar** has been organised by Department of **EC LNCTE** on **"Statistical Signal processing for wireless communication"** by **Dr. Ravi Tiwari, "Sr. Assistant Professor, MITS"** on **Tuesday 24-08-2021** from **11:45AM to 12:45 PM** for the students **of EC 5th semester LNCTE** Students. The session was too Interactive, Informative and interesting for students which deals with the deep knowledge of wireless communication. The session was delivered successfully under the guidance of **Dr. Abhinav Bhargava (HOD EC LNCTE),** Coordinated by **Prof. Rohit Kumar Rathor (Assistant Professor).**



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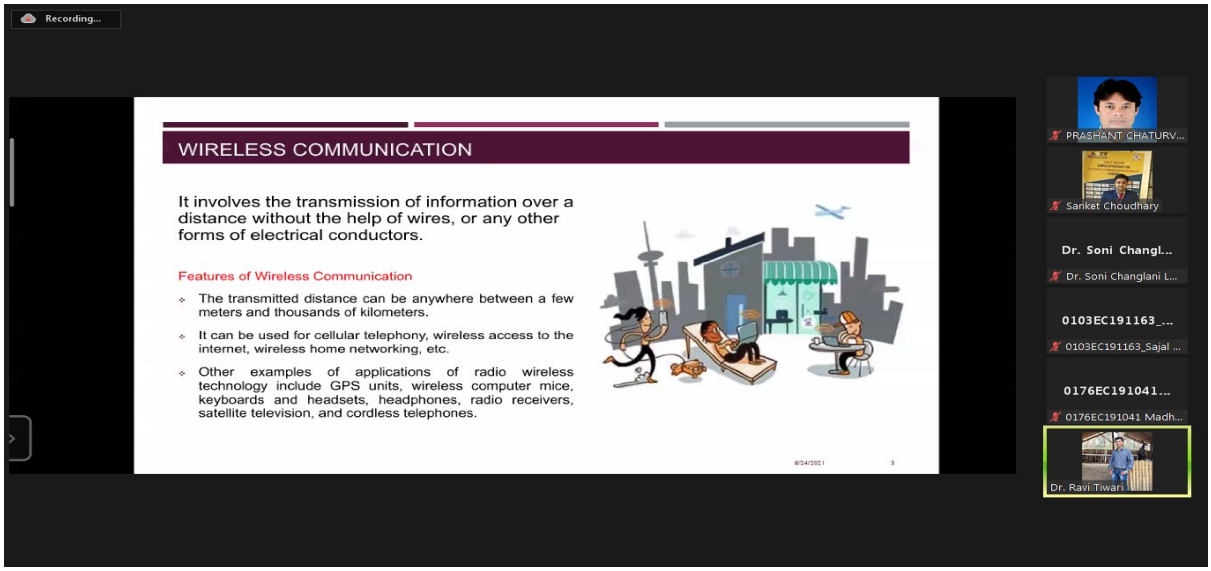

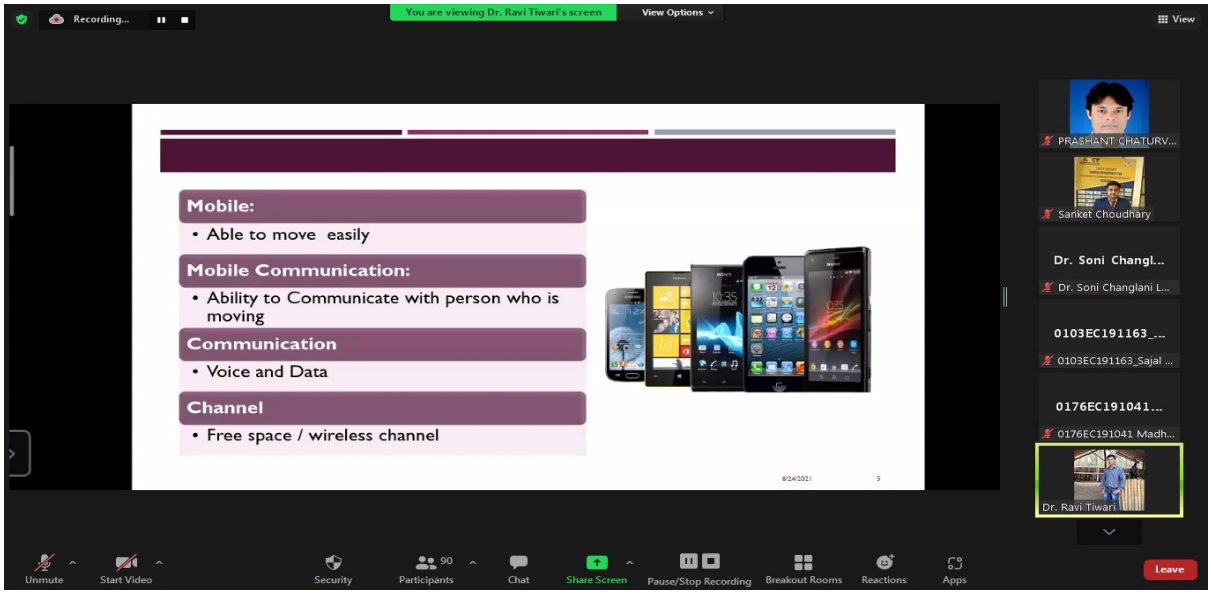

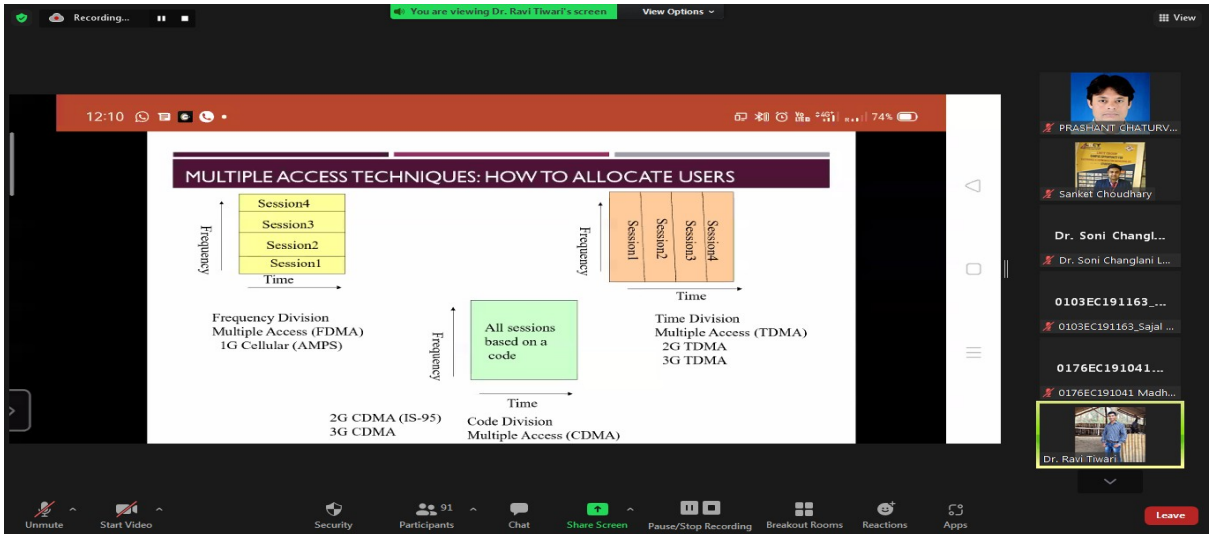
Recording...
You are viewing Dr. Ravi Tiwari's screen
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MULTIPLE ACCESS TECHNIQUES: HOW TO ALLOCATE USERS
Session4
Session3
Session2
Session1
Frequency
Time
Frequency Division Multiple Access (FDMA) 1G Cellular (AMPS)
Session1
Session2
Session3
Session4
Frequency
Time
Time Division Multiple Access (TDMA) 2G TDMA 3G TDMA
All sessions based on a code
Frequency
Time
2G CDMA (IS-95) 3G CDMA
Code Division Multiple Access (CDMA)
PRASHANT CHATURV...
Sanket Choudhary
Dr. Soni Changl...
Dr. Soni Changlani L...
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Dr. Ravi Tiwari
Unmute
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Chat
Share Screen
Pause/Stop Recording
Breakout Rooms
Reactions
Apps
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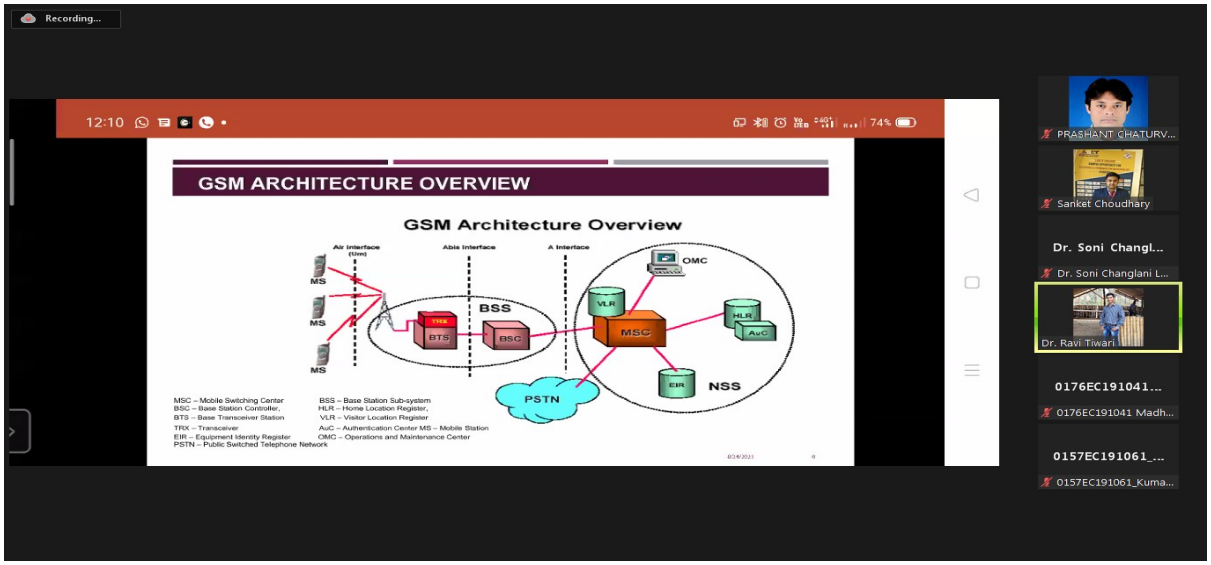
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GSM ARCHITECTURE OVERVIEW
GSM Architecture Overview
Air Interface (Um)
Abis Interface
A Interface
MS
MS
MS
BTS
BSC
BSS
MSC
VLR
HLR
AuC
EIR
NSS
OMC
PSTN
MSC – Mobile Switching Center
BSC – Base Station Controller,
BTS – Base Transceiver Station
TRX – Transceiver
EIR – Equipment Identity Register
PSTN – Public Switched Telephone Network
BSS – Base Station Sub-system
HLR – Home Location Register,
VLR – Visitor Location Register
AuC – Authentication Center MS – Mobile Station
OMC – Operations and Maintenance Center
PRASHANT CHATURV...
Sanket Choudhary
Dr. Soni Changl...
Dr. Soni Changlani L...
Dr. Ravi Tiwari
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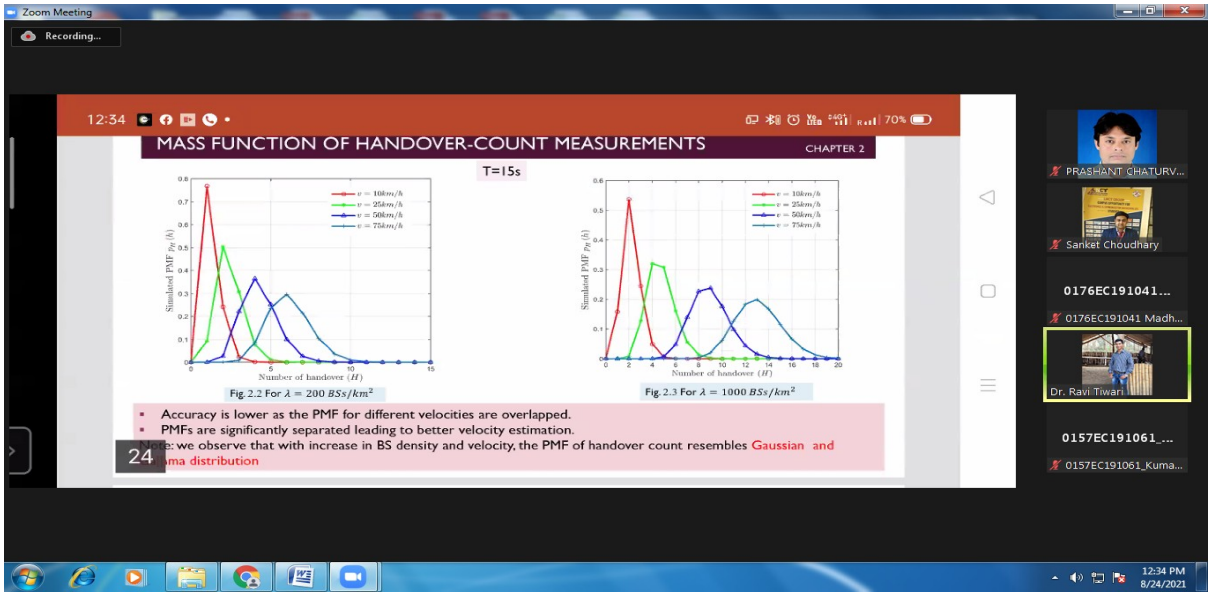
Zoom Meeting
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MASS FUNCTION OF HANDOVER-COUNT MEASUREMENTS
CHAPTER 2
T=15s
Simulated PMF $P_H(h)$
Number of handover (H)
Fig.2.2 For $\lambda = 200\ BSs/km^2$
Fig.2.3 For $\lambda = 1000\ BSs/km^2$
Accuracy is lower as the PMF for different velocities are overlapped.
PMFs are significantly separated leading to better velocity estimation.
we observe that with increase in BS density and velocity, the PMF of handover count resembles Gaussian and
ma distribution
24
PRASHANT CHATURV...
Sanket Choudhary
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0176EC191041 Madh...
Dr. Ravi Tiwari
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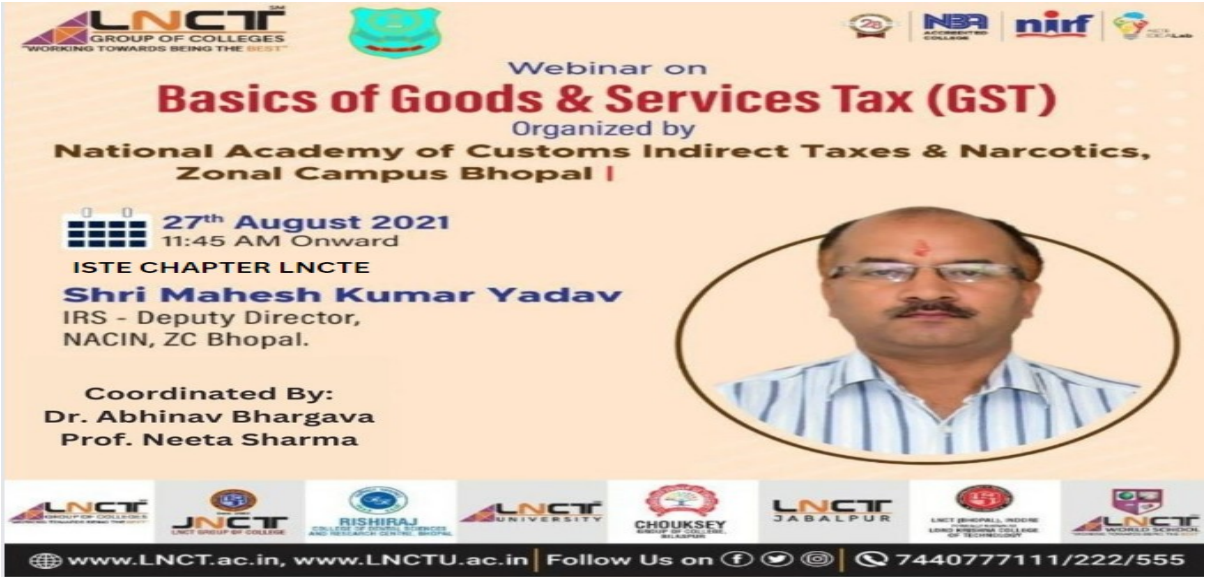
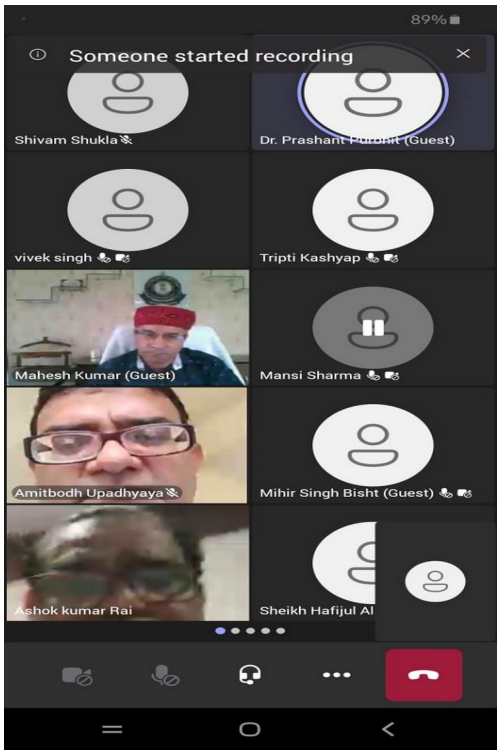
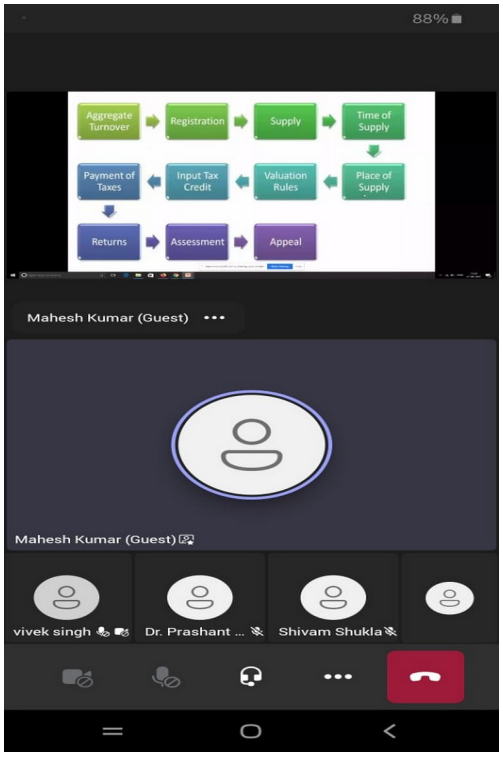
12:34 PM
8/24/2021

LAKSHMI NARAIN COLLEGE OF TECHNOLOGY EXCELLENCE, BHOPAL

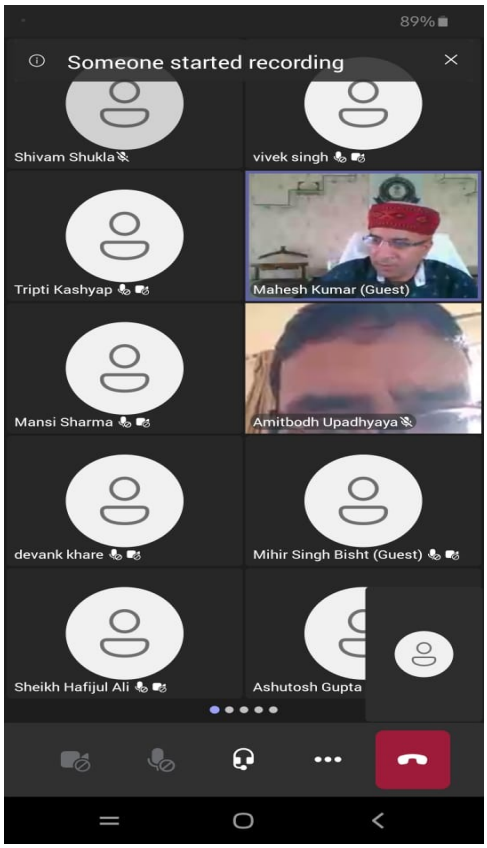
- An Online Webinar has been organised by Department of **EC LNCTE** on "**Basics of Goods & Services Tax (GST)**" by **Mr. Mahesh Kumar Yadav**, "**IRS- Deputy Director, NACIN, ZC Bhopal**" on **Friday 27-08-2021** from **11:45AM to 12:45 PM** for the students of **EC 5th semester LNCTE** Students. The session was too Interactive, Informative and interesting for students which deals with the deep knowledge of GST. The session was delivered successfully under the guidance of **Dr. Abhinav Bhargava (HOD EC LNCTE)** coordinated by **Prof. Neeta Sharma (Assistant Professor).**

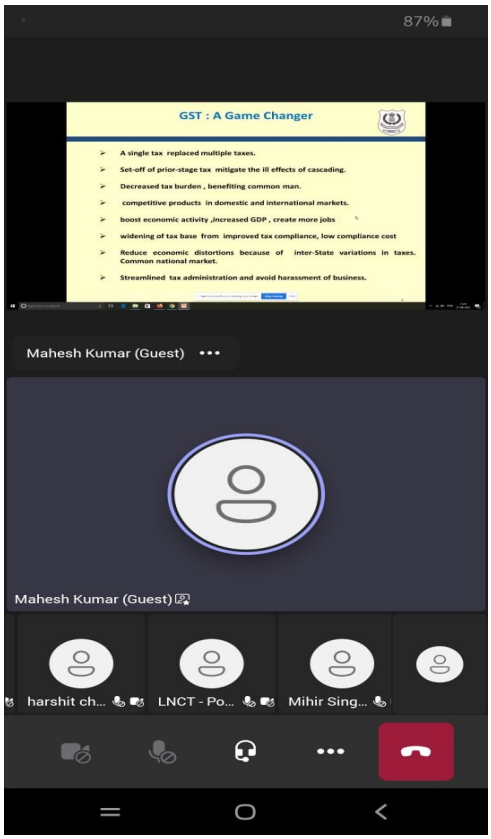


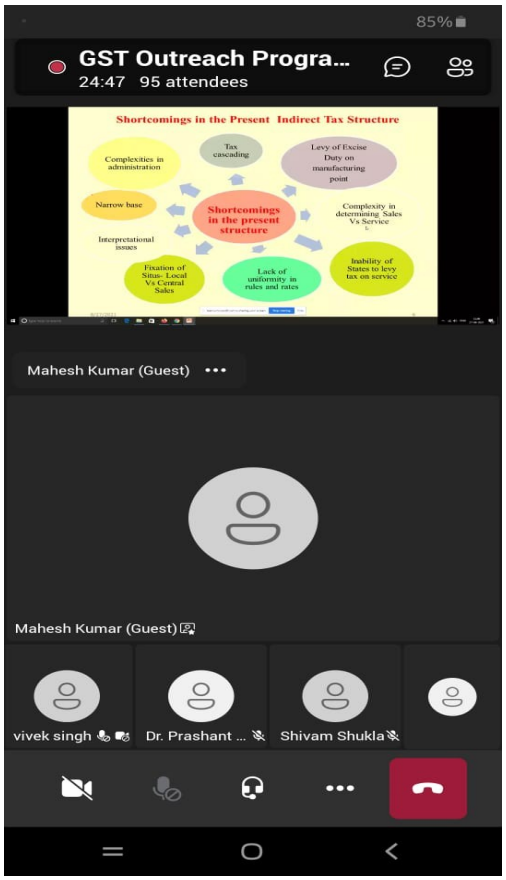


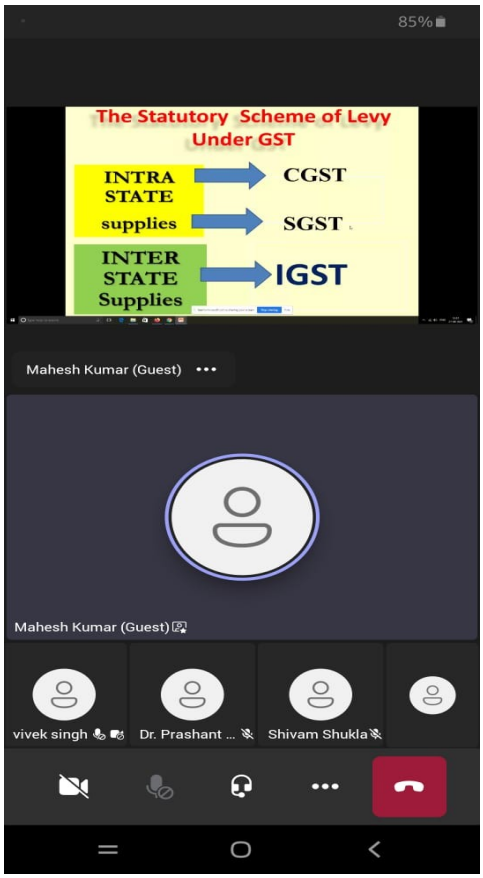


LAKSHMI NARAIN COLLEGE OF TECHNOLOGY EXCELLENCE, BHOPAL



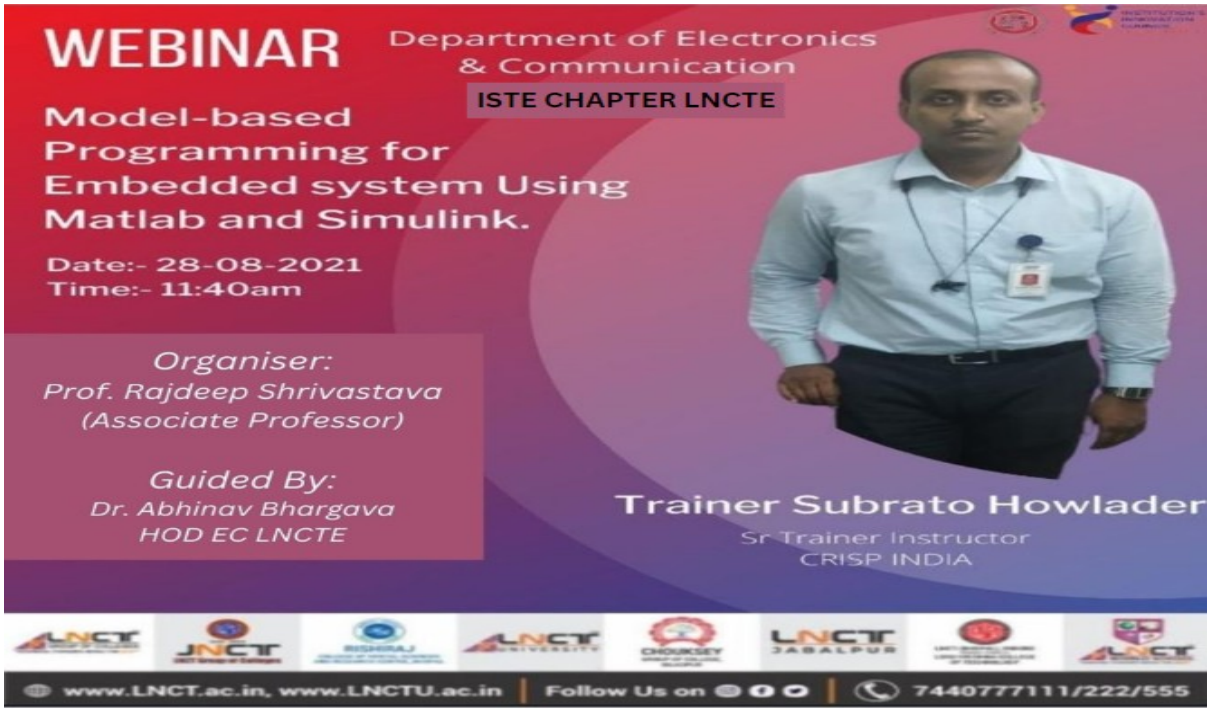


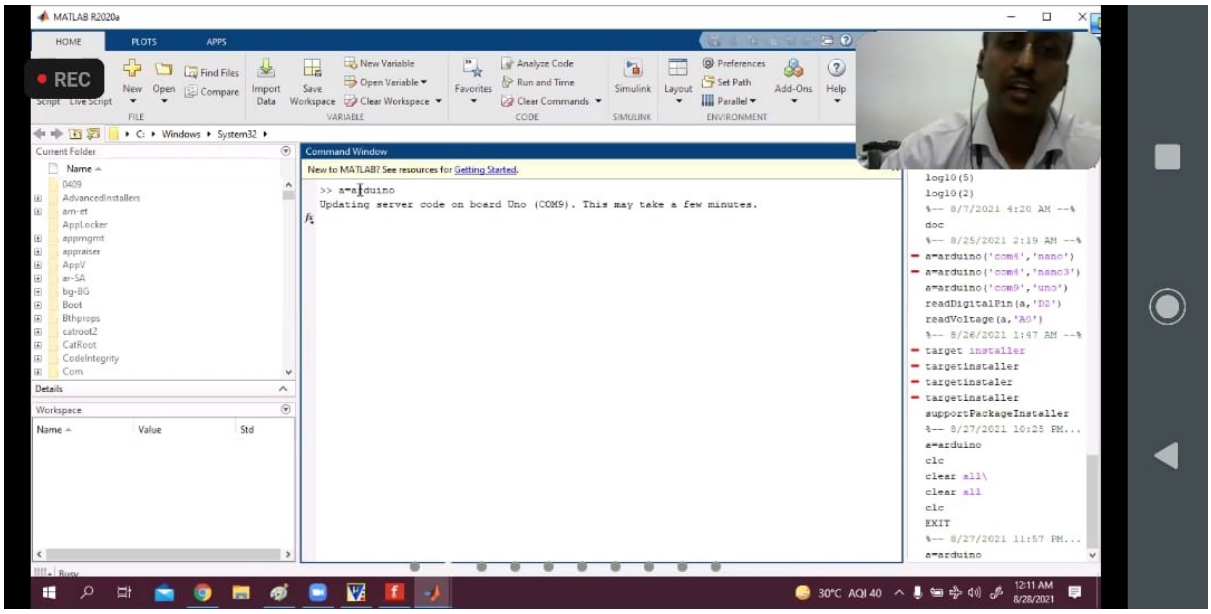


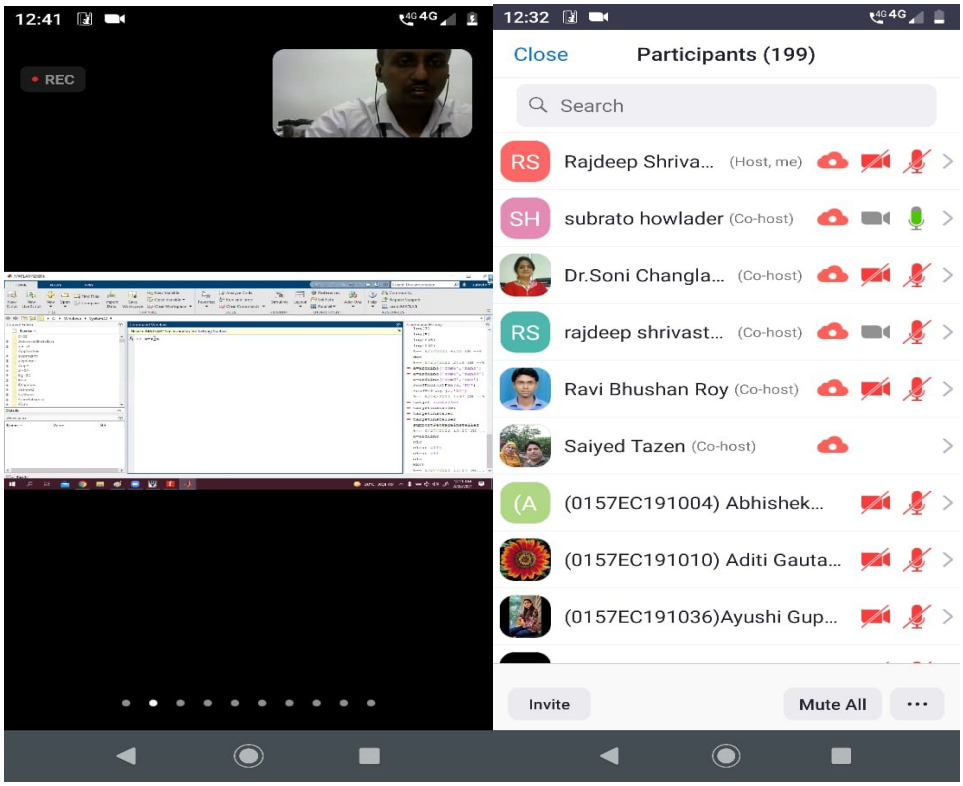


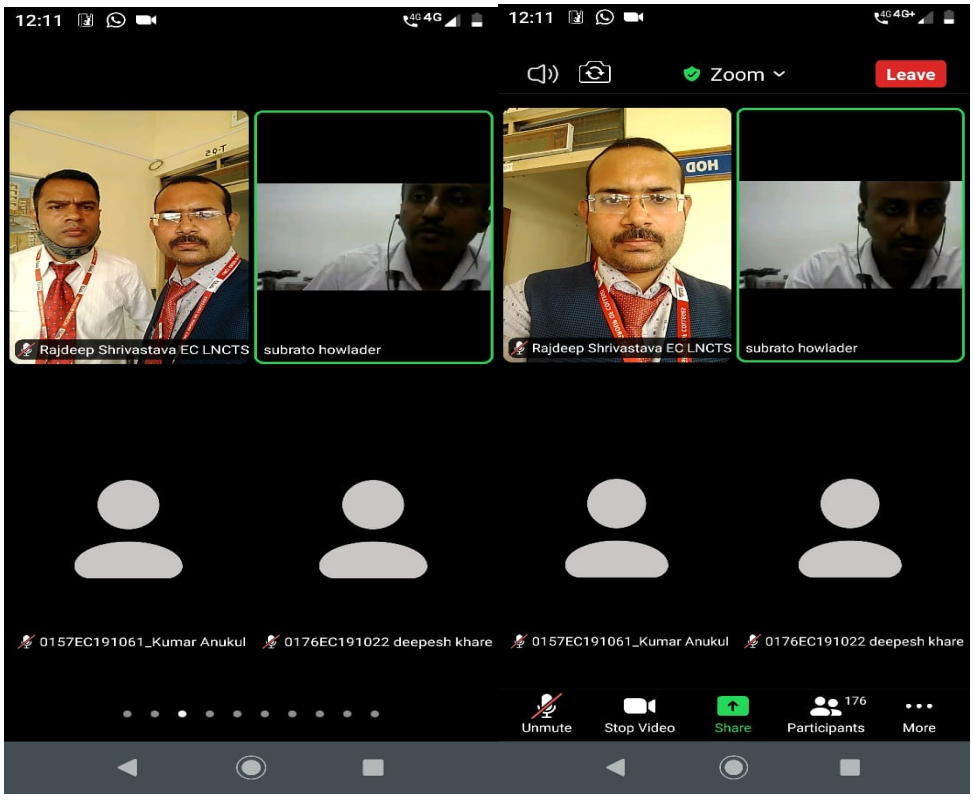
LAKSHMI NARAIN COLLEGE OF TECHNOLOGY EXCELLENCE, BHOPAL

- An **Online Webinar** has been organised by Department of **EC LNCTE** on **"Model based Programming for Embedded system using MATLAB & Simulink"** by **Mr. Subrato Howlader, "Sr. Trainer Instructor, CRISP"** on **Saturday 28-08-2021** from **11:45AM to 12:45 PM** for the students **of EC 5th semester LNCTE** Students. The session was too Interactive, Informative and interesting for students which deals with the deep knowledge of How Simulink of Embedded devices can be performed on MATLAB. The session was delivered successfully under the guidance of **Dr. Abhinav Bhargava (HOD EC LNCTE),** Coordinated by **Prof. Rajdeep Shrivastava (Associate Professor).**






12:41
REC
12:32
Close
Participants (199)
Search
Rajdeep Shriva... (Host, me)
subrato howlader (Co-host)
Dr.Soni Changla... (Co-host)
rajdeep shrivast... (Co-host)
Ravi Bhushan Roy (Co-host)
Saiyed Tazen (Co-host)
(0157EC191004) Abhishek...
(0157EC191010) Aditi Gauta...
(0157EC191036)Ayushi Gup...
Invite
Mute All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Rajdeep Shrivastava EC LNCTS
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Unmute
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Share
Participants
176
More