

# National Workshop on 5G and IoT- The New Internet Perspective

The LNMIIT, Jaipur, December 8 - 9, 2018

## Organizing Committee

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Prof. Rahul Banerjee  
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### Last date for Registration

3<sup>rd</sup> December, 2018

### Registration Details

#### -Fees

Faculty: INR 1000/-  
Students: INR 500/-

#### -Online registration form

[http://bit.ly/5G\\_IoT\\_2018lnmiit](http://bit.ly/5G_IoT_2018lnmiit)

### Venue

Lecture Hall - 9, Academic  
Block, LNMIIT Jaipur

### Contact

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\***Note:** Participants need to arrange  
their own accommodation

## About the Workshop

A two-day national workshop on “5G and IoT - The New Internet Perspective” is being organized by the Centre for Next Generation Communication and Networking (C-NGCN), Department of ECE, in association with ITRA, MeitY, GoI during December 8 - 9, 2018.

Two most disruptive technologies viz. 5G - the new Radio, the next generation wireless, and IoT/ IoE, the next generation Internet, have made a dramatic influence on individuals’ and societies’ perspective towards digital transformation and world economy. The main objective behind organizing this workshop is to provide the learning platform and research motivational opportunities to the participants on key enabling technologies and challenges in 5G wireless networks and IoT systems, by the eminent experts from the Academia and Industries in India with their vast expertise, domain knowledge and future vision.

The first day of the workshop will be dedicated to the research exposure on 5G networks and the potential major enabling techniques. The key current research topics and applications in IoT systems and networking will be focused on the next day.

The number of seats for the Workshop participation is limited to 70 for researchers, postgraduate students and faculty/ officials from the Government and Engineering Institutions in and outside Rajasthan.

## Day-1 Program (5G)

Speakers	Topics
• Prof. A. Chockalingam, IISc Bangalore	• Massive MIMO: Research & Challenges
• Prof. Shankar Prakriya, IIT Delhi	• Energy Harvesting in 5G
• Mr. A. Nigam, Samsung Research	• 5G-The Connectivity Fabric for the Society
• Prof. A. Das Barman, IRPE Kolkata	• Network Densification
• Mr. N. Bykampadi, Nokia Bells Labs	• 5G Network Security

## Day-2 Program (IoT)

Speakers	Topics
• Prof. Swades De, IIT Delhi	• Performance Optimization for IoT Comm.
• Prof. R. Gangopadhyay, LNMIIT	• 5G and IoT-A Vision Perspective
• Dr. Somnath Chandra, DIT, New Delhi	• National Policy and Initiatives for IoT
• Dr. P. Rajalakshmi, IIT Hyderabad	• IoT for Healthcare
Panel Discussion	

### Payment Modes for the Registration Fee

- By DD: Payable to “The LNM Institute of Information Technology”
- By NEFT: Beneficiary Name: **The LNM Institute of Information Technology** || Account No. : **51089005531**  
Bank Name: **State Bank of India** (Secretariat, Jaipur, Rajasthan) || IFSC: SBIN0031031

# National Workshop in 5G and IoT: The New Internet Perspective

## Technical Program Schedule

### Day 1 Program (08-12-2018)

	Time	Activity	Speaker
1	0845-0900	Workshop Inauguration	
2	0900-1000	Novel Modulation Schemes for 5G	Prof. A. Chockalingam, IISc Bangalore
3	1000-1030	Inaugural Tea	
4	1030-1130	5G-The Connectivity Fabric for the Society	Mr. Anshuman Nigam, Samsung Research
5	1130-1230	Energy Harvesting in 5G	Prof. Shankar Prakriya, IIT Delhi
6	1230-1330	Lunch	
7	1330-1430	Security in 5G – Architecture and Standards Perspective	Mr. Nagendra Bykampadi, Nokia Labs
8	1430-1530	Network Densification and Interference Management in Femto-Cells	Prof. Abhirup Das Barman, Kolkata University
9	1530-1600	Tea	

### Day 2 Program (09-12-2018)

	Time	Activity	Speaker
1	0900-1000	5G and IoT A Vision Perspective	Prof. Ranjan Gangopadhyay, LNMIIT
2	1000-1100	Data-Driven Performance Optimization for IoT Communications	Prof. Swades De, IIT Delhi
3	1100-1130	Tea	
4	1130-1230	National Policy and Initiatives for IoT	Dr. Somnath Chandra, DoIT, GoI
5	1230-1330	Lunch	
6	1330-1430	IoT for Non-invasive Health Technologies	Dr. P. Rajalakshmi, IIT Hyderabad
7	1430-1500	Tea	
8	1500-1600	Panel Discussion	

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