



**PSG Institute of Technology and Applied Research**

**Department of Electronics and Communication Engineering**

Report on Online Special Lecture

**“5G Open Source is the Future”**

The department of Electronics and Communication Engineering in association with ISTE student’s chapter organized an online guest lecture on 22<sup>nd</sup> May, 2021. The HoD Dr. P. Vetrivelan welcomed the virtual gathering. The guest speaker was **Mr. Ramkumar, Technical Specialist, Mobile Network Division, Nokia Networks, Bangalore**. Around **50 students of III ECE and 7 Faculty members** attended the session. The speaker started the session, highlighting the need for 5G communication systems. He then elaborated about the different 5G /new radio use cases, the 5G spectrum and the 5G architectures. He also highlighted the speciality of 5G in implementation aspects (i.e., the open source software), when compared to the previous standards. The speaker ended the session by sharing his experience on acquiring a career in networking domain. Overall, the session was very informative and the students are envisioned with the bird’s eye view of different 5G aspects and the open source components available for developing 5G systems. The session was co-ordinated and arranged by Dr. P. Reba (Associate Professor) and Ms. N. Susithra (AP), ECE.

Recording...

**WHY 5G???**

Gigabytes in a second

5G NETWORK SLICING

Self Driving Car

Industry automation

eHealth

Work and play in the cloud

3D video, UHD screens

Augmented reality

Voice

Participants (54)

Find a participant

- PE PSG ece (Host, me)
- RR Ramkumar R (Co-host)
- M MJayasanthi (Co-host)
- RP Reba P (Co-host)
- O3\_Akash R
- K 17\_ Kamali s
- K 19\_KANISHKHA S

Invite Mute All

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Mr. Ramkumar, Nokia Systems explaining the need and scope of 5G

Recording...

**International Telecommunication Union**

**ITU-R** Radiocommunication: Manages radio-frequency spectrum and satellite orbits, ensures interference free operations of radiocommunication systems

**ITU-T** Standardization: Produces standards and defines tariff principles for international telecommunication services

**ITU-D** Development: Facilitates the creation, development and improvement of telecommunication and ICT

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- K 19\_KANISHKHA S
- 28\_KOWSALYA R
- 3J 32\_Muni Jyothi Prakash S
- 4N 42\_Ram Narayan B
- V 58\_Vidhyadharan L

Invite Mute All

Vetrivelan

Aswathy S A

SNEGHA K S

Shanmuha priy...

