दूरसंचार विभाग
DEPARTMENT OF
TELECOMMUNICATIONS

National Telecommunications Institute
For Policy Research, Innovation and Training
(NTIPRIT)

WEBINAR on "Quantum Technology : Unlocking the future"

Quantum Technology

Classical computers have helped us unlock some mysteries we couldn't process with human power alone, but in the age of quantum computing, we may be able to take that power even further. Quantum computers work by using quantum mechanical phenomena to process massive datasets where these datasets would bog down a classical computer, the use of quantum properties such as superposition of states and entanglement to speed up processing power and handle a seemingly unlimited number of variables. Quantum computers use qubits (quantum bits) that mimic the state of subatomic particles and can exist as a 1 or 0 or both at the same time. It has applications in cybersecurity, internet search, and artificial intelligence. Almost every industry from finance to telecommunications could also reap the benefit of quantum technology.

Webinar Agenda

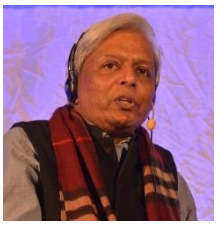
Session 1:	**Inaugural Session** **1100-1125 : Welcome address by Sh. U K Srivastava- DG NTIPRIT** **: Keynote address by Sh. K Rajaraman, Secretary (T)** **: Inaugural address by Prof. K Vijay Raghavan Principal Scientific Adviser**
Session 2:	**Technical Developments and Standards** **1125: 1155 IST:** by Dr. Gyu Myoung Lee -Liverpool John Moores University (LJMU), UK
Session 3:	**Technology Maturity** **1155-1225 IST** : by Mr. L Venkata Subramaniam, Quantum Ambassador IBM – USA
Session 4:	**Quantum Technologies and Applications(QTA): Govt Policy & Initiatives** **1225-1245 IST** : by Dr. KR Murli Mohan Scientist G, DST , Govt of India
Session 5:	**India's Start up Eco-system: Use cases and Opportunities in Quantum Technology** **1245-1315 IST** : by I. Mr. Nixon Patel, Founder & CEO, Qulabs II. Dr. Nagendra Nagaraja, Founder & CEO– QIPAI III. Mr. Sunil Gupta, Co-Founder & CEO QNu Labs
Session 6:	**Q& A and Closing Session** **1315-1330 IST** : Questions & Answers Vote of Thanks by Sh. S K Bhalla DDG(TS & PR) , NTIPRIT Coordinator : Sh. Jitendra Garg Director (PR), NTIPRIT

Date: 27th January (Thursday) 2022
Time: 11:00 Hrs to 13:30 Hrs
Platform: Airmeet

SCAN the QR Code
or
Visit: https://tinyurl.com/y9cja4vw

Once you register, joining link will be shared on the screen which you can use to join or save it to join on the day of webinar.pl contact Mr Vishal Dheer ADG- TS NTIPRIT on 9888554141

Inaugural Session



Inaugural Address by Prof. K. Vijay Raghavan Principal Scientific Adviser, Govt. Of India

–B.Tech from IIT Kanpur, and holds a PhD from the Tata Institute of Fundamental Research. Ex. Secretary, Department of Biotechnology (DBT), Government of India between January 2013 to January 2018. In 2013, he was conferred with the Padma Shri award.

Keynote Address by Sh. K. Rajaraman Secretary (T), DoT, Ministry of Communications, Govt of India

An Indian Administrative Services (IAS) officer from 1989 batch. He was previously working as additional Secretary in the Department of Economic Affairs (DEA) . He has worked towards fostering economic relations worldwide particularly G 20 and BRICS countries. He holds bachelor's degree in engineering and master's degree in financial management.

Welcome Address by Sh. U K Srivastava DG- NTIPRIT, DoT, Ministry of Communications, Govt of India

An officer of Indian Telecom Service of the Govt. of India and presently serving as DG NTIPRIT, DoT Government of India. He has over 35 years of rich experience in the field of Telecommunications and has led various units of DoT, and Telecom Regulator in India -TRAI. He had also worked in ITU at Iraq and its HQ at Geneva

Speakers

Dr K R Murli Mohan, Scientist G, Department of Science & Technology

Dr Gyu Myoung Lee Liverpool John Moores University (LJMU), UK

Mr. L Venkata Subramaniam IBM Master Inventor | Quantum Ambassador -USA

India's Start-up Eco-system

Mr. Nixon Patel, Founder & CEO, Qulabs- Hyderabad

Dr Nagendra Nagaraja Founder & CEO – QIPAI Bengaluru

Mr. Sunil Gupta, Co-Founder and CEO QNu Labs- Bengaluru