

## 5G technology is future mobile technology

Research on the 5G technology is going at a frenetic pace and the business volume of 5G technology is likely to cross Rs.2 lakh crore by the year 2026, said director, Centre for Development of Telematics (C-DOT) M. Soundar Kumar.

Addressing the IC5GCAT'18 (International conference on 5G Communications, Applications and Technologies) conducted by Department of Electronics Communication and Engineering (ECE) at Vignan University, Mr. Soundar Kumar said that extensive research on 5G technology was yielding results and added that 5G would be the future technology. More than 100 research scholars on 5G technology from 40 countries took part in the conference. Scientists from Indian Space Research Organisation also took part in the conference.

Former principal, PEC College, Puducherry, V. Pridhviraj said that customers using 4G technology were able to access 45 MBPS data and once they start using 5G technology, this would be enhanced by 20 times. The latest technology could be used to perform remote surgeries and could herald revolution in medicine.

Professor, IIT, Dharwad M. Sudhakar said that the demand for mobile networks was creating pressure on spectrum bands leading to disruption of mobile services. The use of 5G technology would solve this problem and the technology can be integrated to operate video cameras, street lights etc. New Delhi based C-DOT group leader Arindham Bhattacharya and Ashish Mathur from IIT, Jodhpur also took part.

Tharek A Rehman, Professor, University of Technology, Malaysia said that 5G communication will come within the reach of people by the year 2020 working alongside existing 3G and 4G technology.

"5G Technology is the next generation of mobile internet connectivity, offering faster speeds and more reliable connections on smart phones and other devices than ever before, said Prof. Jason Levy from University of Hawaii, USA.

The networks will help power a huge rise in Internet of Things technology, providing the infrastructure needed to carry huge amounts of data, allowing for a smarter and more connected world, he added.

S Pareswaran, ISRO former director said the government had allotted Rs 500 crore for 5G services and South Korea is making arrangements to start 5G services from next year. Many dignitaries from various academic institutions and industries from different corners of the world had graced the event.

100 papers were presented in the conference hosted by the Department of ECE.

Vice Chancellor MYS Prasad, rector K. Siva Prasad, registrar MS Raghunathan, ECE department head Pitchai, Dr. Seetharamanjaneyulu, Conference Chair, Prof. Dr. Jakeer Hussain, convener Mr. Y. Ravisekhar were present.