

Sarvajanik College of Engineering and Technology
Department of Information Technology

R&D Lecture Series Expert Talk

on

**“Simulation of Wireless Network and its
Performance Analysis”**

Date: 20th March 2018

Time: 9:30 AM to 11:00 AM

Venue: N. J. Seminar Hall, 1st Floor, Above Admin Department, SCET

Coordinators: Prof. Mukesh Patel, Dr. Vivaksha Jariwala

Speaker's Short Profile: Prof. Nirbhay Chaubey, Ph.D (Senior Member of IEEE, Senior Member of ACM, Life Member of CSI) working as an Associate Professor and Director, S.S. Agrawal Institute of Computer Science, Navsari. He worked as a project trainee at Space Application Centre (SAC), Indian Space Research Organization (ISRO), Ahmedabad, India from 12 August 2003 to 18 June 2004. Prof. Chaubey worked as an Officer on Special Duty (OSD) to the Gujarat Technological University (GTU) for year 2011-2012. He obtained his Ph.D (Computer Science), Gujarat University, Ahmedabad in year 2014 and his research interests lie in the areas of Computer Networking, Wireless Networks (Protocol Design, QoS, Routing, Mobility, and Security), and Sensor Network, Cloud Computing and Cyber Security etc. He has published several research papers in peer reviewed International Journals, International and National Conferences and served as member of editorial board, technical program committee, reviewer for various Transactions and Journal of Computers and Communications. He has received IEEE Outstanding Branch Counselor Award - Year 2010 (Asia Pacific Region), IEEE Region 10 Outstanding Volunteer Award- Year 2015 (Asia Pacific Region), GTU Pedagogical Innovation Awards (PIA) -2015.

Participants: 70 students and 8 faculty members from Information Technology Department attended the talk.

About the talk:

The Information Technology Department of Sarvajanic College of Engineering & Technology organized an R&D Lecture Series Expert talk on **“Simulation of Wireless Network and its Performance Analysis”** on 20th March 2018.

Prof. Mukesh Patel commenced the session by introducing Dr. Nirbhay Chaube. Dr. Mita Parikh, Head, IT Dept, welcomed him with flower bouquet. Dr. Nirbhay started his session by introducing the basics of Computer Networks, its protocol layers and then introduced the students to the topic of wireless networks. He further discussed issues and research challenges in the field of wireless networks and the basics of Network Simulator NS-2. He also highlighted the differences between NS-2 and NS-3. Dr. Nirbhay justified the need of Simulator Tools for performing research and experimentation in the field of wireless networks. He demonstrated the complete procedure and commands for installing NS-2 on desktop machines. He also demonstrated network configuration and its performance analysis in NS-2 with practical examples. Finally, he concluded the session by encouraging students to work on the many challenges and issues in wireless sensor networks.

Herewith, we have attached some glimpses of the session.

