

**Report on Guest Lecture**  
**“Current Trends in Cyber Security”**  
**Organised by**  
**Department of Electronics and Communication Engineering**  
**21<sup>st</sup> February 2017**

**Organized in association with: MITSAWA**

**Submitted by: Mr. K. Rahim Basha, Assistant Professors and Prof. A. R. Reddy, Professors & Head, Department of Electronics and Communication Engineering, MITS**

**Resource Person: Sanjay Kumar Saladagu, IBM Global Services, Bangalore**

**Faculty attended:**

**Mr. K. Rahim Basha, Assistant Professors,**

**Prof. A. R. Reddy, Professors & HOD ECE;**

**Dr. P. Ramanathan, Vice Principal (Academics),**

**Dr. P. Ramesh Reddy, Alumni Secretary, Asst. Professor, Department of Mathematics;**

**Students Attended: ECE: 48 Students**

**Venue: Scale up Room (ECE department)**

**Participants: B. Tech –II Yr Students.**

The department of Electronics and Communication Engineering organised a guest lecture on “Current Trends in Cyber Security” on 21<sup>st</sup> February 2017.

Mr. K. Rahim Basha, Assistant Professor welcomed all the dignitaries, faculty and students and expressed his gratitude to the Management and Principal for giving permission and financial support to organize this programme.

Prof. A. R. Reddy, Professor and Head of the Electronics and Communication Engineering Department addressed the gathering. He briefly explained the motto of the programme.

Later, Dr. P. Ramanathan, Vice Principal (Academics), emphasized the importance of research scope in Electronics and Communication Engineering.

Next, Dr. P. Ramesh Reddy, Alumni Secretary, Asst. Professor, Department of Mathematics emphasized the importance of this invited talk and congratulated the organizers of the ‘Guest Lecture’ and conveyed his happiness and thanks to the participants.

To address this, talk, the department of ECE invited one of the alumni of MITS “**Sanjay Kumar Saladagu**”. he delivered a valuable speech which made the students more confident and made them aware of the skills required by the engineers that an industry is looking for students who have knowledge on cyber security. He discussed about challenges and trends of cyber security like 1. New Technologies and Devices.2. Increasing Ransomware Attacks. 3. Attacks on Cloud Services.4. Outdated and Inefficient Systems. 5.Remote Work Risks. 6.Continued Use of Multi-Factor Authentication. 7.Increased Interest in Data Privacy. He also told about essential cybersecurity skills for today’s professionals protecting an organization’s

information assets and IT systems from internal and external threats is no easy feat. Today's cybersecurity professionals need to possess important cybersecurity skills, the necessary education, and experience in the field. Some skills that cybersecurity professionals are expected to have include: Technical skills and knowledge of key cybersecurity terms and concepts  
An analytical mindset, Soft skills like communication and management, Cybersecurity professionals must know how to plan and implement security strategies to reduce risk and enhance protection; understand legal and ethical issues associated with information security, privacy, and digital rights; and have core knowledge surrounding computer system security and network practices

The session is concluded by conveying vote of thanks by Dr. P. Ramesh Reddy, Alumni Secretary, Asst. Professor, Department of Mathematics.

