

**Prof. Manu, Professor of UIET, Himachal Pradesh University visited JUIT and delivered an Expert Lecture**

**“Security Threats to Ad-Hoc Computing: A Perspective on Sybil Attack”**

**on October 11, 2019**



Professor Manu Sood gave a talk on ‘Security threats in Ad-Hoc Computing-a perspective of Sybil Attack’. He made the students aware about WANET and its challenges. He presented some statistics about Google query, tweeted queries and YouTube usage. He also made students familiar with attacks in WANETS like Sleep deprivation attack and black hole, further challenges in ad hoc networks like limited wireless range, packet losses and route changes. Students were made acquainted with the term Sybil attack wherein a reputation system is subverted by forging identities in peer to peer networks.





Dr. Manu Sood is a graduate in Engineering (Electronics & Telecommunications) from Government Engineering College, Jabalpur. He did his Masters in Technology with specialization in Information Systems from Division of Computer Engineering, NSIT, Faculty of Technology, University of Delhi with Delhi Chief Minister's Gold Medal and acquired his degree of Doctor of Philosophy from the same institute in 2008. He has a work experience of more than 31 years, out of which, initial 5 years were in the industry where he has designed an indigenized prototype bankers machine for the Methodex Systems Ltd in 1993. Since 1993, he has been associated with the Department of Computer Science, Himachal Pradesh University, Shimla, India in various capacities. He is right now a senior professor in the department. He has remained the Chairperson of this department from July 2009 to July 2011 and from July 2015 to July 2017. He has also been the former Director of University Institute of Information Technology, Himachal Pradesh University, Shimla from February 2014 to August 2017. He has been associated with various committees in different capacities at the university level, at the state level (Himachal Pradesh) and at the national level too. He has successfully completed one research project worth ₹9 Lakhs in 2012. He has more than 80 research publications to his credit. His areas of interest in research are Software Engineering, Security in Ad Hoc Networks and e-Learning. He has delivered speeches as Keynote Speaker in 8 International Conferences, chaired technical sessions in more than 20 International Conferences, remained the member of TPC for more than 60

International Conferences and reviewed more than 100 research papers for various International Journals and Conferences. He has evaluated more than 40 PhD thesis and conducted viva-voce examination of more than 20 PhD scholars. He has successfully supervised 7 PhD scholars and 32 M. Tech. (Computer Science) thesis till date. At present, he is supervising 6 PhD scholars and 3 M. Tech. students.

Students of B Tech and M tech students attended the lecture and interacted with him enthusiastically. He also interacted with faculty members and Ph.D Research scholar and discussed about the latest research issues.

**Coordinators :** Dr. Meenakshi Sood, Dr. Shruti Jain

