

## FACULTY

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#### Educational Qualifications

M.Tech.(1999), Ph.D.(2011)

#### Area of Interest

Wireless Communication, Communication Systems, Communication Engineering

#### Research Paper Publications

- “An Efficient Technique for Optimal Selection of Transmit Antenna Subset in MIMO-OFDM Systems using GA with Adaptive Mutation.” European Journal of Scientific Research Vol.38 No.3, 2009, pp.396-410.
- “Hybridization of ANN and GA with Adaptive Mutation: A Proficient Technique for Optimal Transmit Antenna Subset Selection for MIMO-OFDM Systems.” International Journal of Computer Theory and Engineering, Vol.2, 2010, pp.1793-8201.
- “BER Performance of Different Modulation Schemes for MIMO Systems.” International Journal of Computer Science and Network Security, Vol.11 No.3, March,2011, pp.69-72.
- “Heart Rate Variability (HRV) Measurement- A Methodological Application of Low Frequency measurement in LabVIEW”, International Journal of Computer Science and Network Security, Vol.11 No.2, February, 2011, pp.105-108.
- “Analytical Impact of Reputation based scheme on DSR protocol for Evaluation of MANETs”, Oeconomics of Knowledge, Volume 3, Issue 2, Spring, 2011, pp.19-28.
- “An Algorithm for Image Compression Using 2D Wavelet Transform”, International Journal of Engineering Science and Technology Vol. 3 Issue 4, April, 2011, pp.2758-2764.
- “Performance Evaluation of MANET Routing Protocols under CBR and FTP traffic classes”, International Journal of Computer Technology & Application., Vol 2 (3), 2011, pp.392-400.
- “Implementation of Security in zone routing in Mobile Ad-hoc Networks using SZRP.” International Journal Of Computing Vol. 1 Issue 2 April, 2011, pp.166-174.
- “Fuzzy Rule based Automatic Braking System in Train using VHDL”, International Journal of Computer Science and Technology, Vol 2, Issue 2, June,2011, pp.306-309.

- “Key factor of Nanotechnology”, VSRD-International Journal Electrical, Electronics & Communication Engineering, Vol. 1 Issue 2, 2011, 94-98
- “Introduction of Multiband Fractal Antenna and RF MEMS Switches in Reconfigurable RF Front End Section of Mobile”, International Journal of Communication Engineering Applications, Vol. 2, Issue 2, June, 2011, pp.1-7.
- “A Review on Cryptography Mechanisms”, International Journal of Computer Techology & Application., Vol 2 (4), 2011, pp.1048-1050.
- “Performance Comparison of different hybrid amplifiers for different number of channels”, International Journal of Advanced Computer Science & Applications, Vol. 2, No. 7, July, 2011.
- “GPS Technology”, VSRD-International Journal Electrical, Electronics & Communication Engineering, Vol. 1, Issue 6, 2011, pp. 419-427
- “ 32 × 10 Gb/s and 64 × 10 Gb/s Transmission Using RAMAN/EDFA Optical Amplifier”. International Journal of Advanced Computer Science and Applications Vol.2 No. 7, 2011
- “Overviews of Existing Security Scenario in the AD-HOC Networks”, VSRD-International Journal of Computer Science & Information Technology, Vol. 1, Issue 7, 2011, pp. 485-489.
- “A Novel Technique of focused web crawling based on context relevance” International Journal of Research in Science & Engineering, Vol. 2 No.1, 2016, pp.58-63.
- “Smart Home System using I.o.T.” International Research Journal of Engineering and Technology, Vol. 4 No.11, Nov 2017, pp.1108-1112, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Impact Factor value : 6.171.
- ‘Modified e-Security using Genetic Algorithm and Chaos’, on Innovative Technologies in Collaboration with IEEE-IMS/EMBS(Delhi) at PDM College of Engineering, Bahadurgarh Haryana India, pp115-116, June18-19,2009.
- ‘Comparative Analysis of Security Requirements in Wireless Networks & Mobile Ad-Hoc Networks’, on Emerging Trends in Electronics & Communications at Indo Global Colleges, Mohali Punjab India, pp19-20, September 11, 2009.
- “Overview of Key Aspects of WiMax Security”, on Paradigms and Innovations of Technology at Gian Jyoti Institute of Management & Technology Mohali Chandigarh India pp115-116, February19-20,2010.
- ”Mobile Ad-Hoc Networks : Security Requirements and Design Issues for Secured Routing Protocols”, on Industrial Technological Competitiveness at Gulzar Group of Institutes, Khanna, Punjab, India,pp35-36, April 10, 2010.
- Rishabh Kapoor, Shiva Verma and M L Sharma, “Multi-Lingual Comparative Sentiment Analysis of Twitter Data Using RNN Algorithm”, paper is presented in National Seminar on, “Emerging Paradigms of Digitization: A Management Perspective” organized by Department of Management, at Maharaja Agrasen Institute of Technology Delhi on March 26, 2018, pp33-36, ISBN: AR NO.- 3093/ISBN/2018/A