<u>**Faculty Profile**</u>

Name: Dr. Pooja Sharma

Designation: Assistant Professor

Department: Computer science and engineering

Date of Joining 18.01.2007

Email ID: pooja.sharma@smvdu.ac.in

Contact Number and Extn.: 9469099231

Teaching Experience: 17 years

Industry Experience 1 year

Total Experience 18 years

<u>**Areas of Interest / Specialization:**</u>

1. **Computer Networks , ad hoc networks, MANETs, VANETs, Internet of things**
2. **Compilers, programming languages**

Educational Qualification: B.E Computer Engineering (GCET Jammu), Ph.D Computer Science and

Engineering(SMVDU)

Awards and Recognition

1.Best paper award at IEEE , ACM and internet society of Thailand sponsored World congress on engineering, science and Technology 31 Dec- 01 Jan 2017.

2.Women in Engineering IEEE guest speaker talk

List of Journal Publications

1. Pooja Sharma, Ajay Kaul and M. L Garg "Performance evaluation of CBR and VBR applications on different routing protocols in VANETs "Int. Journal of Recent Trends in Engineering & Technology Volume 11, 2014, pages 566-576. ISSN No 2158-5555

2. Pooja Sharma, Ajay kaul, M.L Garg "Performance analysis of video streaming applications over VANETs" Int. Journal of Computer Applications (0975-8887) Volume 112- No 14, Feb 2015 ,pages 13-18 ISSN No 0975-8887

3. Pooja Sharma, Ajay Kaul, M L Garg "Analyzing quality of service of service of video streaming applications over vehicular adhoc networks" International journal of emerging trends in engineering science and Technology. Vol. I, Issue II, ISSN no 2476-0862 pp30-35

4. Pooja Sharma, Ajay Kaul, M L Garg "Resource Provisioning for various network applications in adhoc networks " International journal of advanced trends in computer science and engineering" Vol. 8 no. 5 september-October 2019 ISSN 2278-3091 (Scopus)

List of conferences

5. Pooja Sharma, M L Garg, Ajay Kaul " A comprehensive study of requirements for network applications and routing protocols providing resources in Vehicular Adhoc Networks" Proc of Int. Conference on Advances in Computer Science AETACS pp 403-411©**Elsevier Dec 2013**

6. Pooja Sharma, Ajay Kaul, M L Garg "Analyzing quality of service of service of video streaming applications over vehicular adhoc networks" Conference proceedings of IEEE , ACM and internet society of Thailand chapter sponsored World congress on engineering science and technology Dec- Jan 2017 with ISBN no. 978 1 5136 1221 8.

7. Shivani Sharma, Pooja Sharma "Comprehensive study of various routing protocols in VANETs", IEEE Explore, Apr 2019

8. Pooja Sharma, Gautam Bhagat" Analyzing and improving the agriculture Practices using Machine learning and IoT", International conference on mathematical sciences and computational intelligence, Dec 2020

Research Supervised

1. "Smart Agriculture using IoT", M.Tech July 2020 Completed
2. "Comparative analysis of network applications in Ad hoc networks" M.Tech May,2019 Completed

Research project/consultancy

1. **Smart farming for precision agriculture in J&K using IoT**

Participation in Various conferences, workshops, short training courses

1. Red Hat Linux 1 Week workshop Dec 2007
2. Wipro Mission 10 X workshop 1 Week Dec 2009
3. Introduction to MATLAB 1 Week 27-31 Dec 2010
4. Paper presentation at JK science congress conference Oct 2011
5. ISTE akash for education 2 days Nov 2012
6. Organizing member of two week workshop on research methodology June 2012
7. General orientation course UGC 4 weeks sponsored July 2012
8. Refresher course on IT 2/3 weeks Jan 2013
9. Two week ISTE workshop on DBMS May 2013
10. Two day ISTE research methodologies Feb 2013
11. IBM seed program 4 days workshop Aug 2013
12. Network security and firewalls 1 week workshop Nov 2013

13. International conference at Delhi AET in Dec 2013
14. ICT Workshop on optimization using MATLAB Oct 2016
15. ICT workshop on cloud computing Dec 2016
16. Paper presentation at WCEST Phuket, Thailand
17. Best paper award at International conference IEEE and ACM sponsored Dec 2016
18. Participated in conference NCITBA 17 as committee member

Professional Memberships

1.Member, IEEE computer Society

2. Member IAENG

MOOC Certification
1.   MOOC Certificate on Cybersecurity and Mobility in Apr 2017

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