

Dr. Tripti Sharma

Designation Asst. Professor
Qualification Ph.D, M.Tech(CSE), BE(CSE)
Area of Interest Mobile Ad hoc Networks,
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Professional Qualifications:

- **Ph.D** from Gurukul Kangri Vishwavidyalaya, Haridwar, (Awarded in 2016).
- **M.TECH.** (CSE) from UP Technical University Lucknow, with CGPA 8.83 in 2009.
- **B.E.** (CSE) from G.L.A.I.T.M. Mathura, with 79% in 2003.

Teaching Experience (in Years): 14 Years (Academic)

Working Organization:

- 1) Presently working as Assistant Professor in Indraprastha Engg. College, Ghaziabad, since 1st Jan 2010.
- 2) Worked as Senior Lecturer in Ideal Institute of Technology, Ghaziabad from Feb 2008 to Dec 2009.
- 3) Worked as Lecturer in Indraprastha Engg. College, Ghaziabad from Jan 2007 to Feb 2008.
- 4) Worked as Lecturer in Sachdeva Institute of Technology, Mathura, from July 2003 to Jan 2007.

Responsibilities Performed in the Department/ Organization:

- Organized two days workshop on “Robotics” in CSE dept. on 23-24 Sep 2016.
- Organized one day workshop on “Android App” in CSE dept. on 22 Oct 2016.
- Organized two days workshop on “Ethical Hacking” in IPEC on 26-27 Oct 2013.
- Coordinator of External Practical Examination from last six years.
- Coordinator of Final Year Projects from last seven years.
- Class Coordinator from last 5 years.
- Class Counselor from last 5 years.
- Participated in Annual fest UDBHAV.
- Participated in sports activities.

Subjects of interest: Data Structures, Mobile Computing, Software engineering, Data Mining & Warehousing, Computer Networks, Software Project Management and more.

Academic achievements:

International Journals(6)

- 1) Sanjeev Kumar Prasad, Karamjit Bhatia, Tripti Sharma, “A Study on Dynamic Address based Routing Protocol for Mobile Ad hoc Networks”, Indian Journal of Science and Technology, Vol. 9 (Special Issue), Dec 2016, pp. 1-7.(SCOPUS Indexed).
- 2) Tripti Sharma, Vivek Kumar, “Congestion Aware Link Cost Routing For MANETs”, published in International Journal of Computer Networks & Communications, Vol. 8, No. 3, May 2016, pp. 167-177.
- 3) Tripti Sharma, Vivek Kumar, “Link Cost Routing for MANET”, International Journal of Computer Science & Engineering Technology, Vol. 7, No. 2, Feb, 2016, pp. 24-32.
- 4) Tripti Sharma, Aradhna Yadav, “Cross layer approach for communication in MANET”, International Journal of Computer Science and Mobile Computing, Vol.4 Issue.3, March 2014, pp. 47-56.
- 5) Tripti Sharma, Vivek Kumar, “Bandwidth aware on demand multipath routing”, International Journal of Wireless & Mobile Networks, Vol. 6, No. 4, August 2014.
- 6) Tripti Sharma, Sanjeev Kumar, “Scalable Multicast routing protocols for mobile ad hoc networks” IJMIE, Vol. 3, Issue 10, October 2013.

International Conferences(3)

- 5) Tripti Sharma, “Analysis of IEEE802.11e for QoS support in Voice over WLANs” published in proceedings of International Conference at Chitkara Institute of Technology, 23-24 oct 2009, at Chandigarh.
- 6) Tripti Sharma, “Visualizing Cognitive and Ethnographic Studies in Education” Published in International Conference at HIMCS, Mathura on 15 & 16 feb 2008 .
- 7) Tripti Sharma, Sanjeev Kumar, “Development of mobile agent using JAVA” published in International conference WECON at Chitkara Institute of Engineering & Technology Rajpura ,Punjab on 18-19 october 2008.

National Conference: (4)

- 1) “Information Retrieval System for Heterogeneous Database through Mobile Agent” published in National Conference at Maharaja Agrasen Institute of Technology, Jagadhri.
- 2) “Performance Comparison of MANET Routing Protocols” Published in National conference at BVICAM-INDIAcom2008 CSI, New Delhi.

3) “Mobile Agent Security Threats & Objectives” published in National Conference at ABES Ghaziabad.

4) “Multi agent System for Information Retrieval from Heterogeneous Database” published in National Conference at IMR Ghaziabad,

Faculty Development Program/STTP/workshop attended:(9)

- 1) One day National Seminar on “Cyber Security and Threats” at IPEC, Ghaziabad in March 2007.
- 2) One day National Seminar on “Mobile Computing” at IEPM, Ghaziabad in Nov 2007.
- 3) Two Days Workshop on “SPSS Data mining tool” at AIT Delhi, in March 2009.
- 4) Two week FDP on “Theoretic concepts of Teaching”, at Lal Bahadur Shastri Institute of Management, June 2009, New Delhi.
- 5) Three days workshop on “ACM India Annual Event 2014”, held from 14-16 Feb, 2014 at IIT, Delhi.
- 6) One day Workshop on “Android”, held on 1st March’2014 at IPEC, Ghaziabad.
- 7) One week Faculty Development Program on “Developing .NET Applications for Windows”, from 1-5 May, 2014 at IPEC, Ghaziabad.
- 8) Two weeks FDP (STTP) on “Effective use of ICT in engineering education”, organized by IIT Bombay, at MGM Noida from 5th Jan to 31st Jan, 2015.
- 9) One week Faculty Development Program on “Cryptography and Algebraic Coding Theory” , jointly organized by Department of Applied Sciences and Humanities and Department of Computer Science and Engineering from 14 March to 18 March 2017.

Supervisory support provided:

1. No. of B.Tech Project Supervision: More than 12
2. No. of M.Tech Thesis Guided: 02

Membership of professional Societies:

- CSTA membership no. 2617816.
- Member of International Association of Engineers(IAENG)