

FACULTY PROFILE



Name: Dr. Jitendra Singh

Designation: Associate Professor

E-Mail: jitendrs@srmist.edu.in

Professional Qualification:

- **Ph.D. (Computer Science and Engineering)** from NIMS University, Jaipur (2015)
- **M.Tech. (Computer Science)**, 1st Division from Institute of Electronics and Telecommunication Engineers), Lodhi Road, New Delhi (2007)

Publications (Journals & Conferences):

BOOK CHAPTER

- [1] Ruchika and **Jitendra Singh**, Performance Analysis of SVM and KNN in Breast Cancer Classification: A Survey. (2020). Internet of Things and Big Data Applications, Springer (pp.133-140) DOI. 10.1007/978-3-030-39119-5_9 [SCOPUS]

INTERNATIONAL JOURNALS [SCOPUS INDEX]

- [1] **Jitendra Singh**, Kanak Gupta, Neha and Himanshu, Diagnosing Covid-19 using Image Processing and Machine Learning, Turkish Journal of Computer and Mathematics Education Vol.12 No.7 (2021),886-893. [SCOPUS]
- [2] Devendra, Sanjay, **Jitendra Singh** and Shashank. (2018). A Detailed Survey and Comparative Study of Cooperative Caching Methods for Mobile Ad Hoc Networks. International Journal of Sensors, Wireless Communications and Control. 08. 10.2174/2210327908666181120103838. [SCOPUS]
- [3] Aadil Sultan Wani, **Jitendra Singh**, Monika Johri, R. K. Tyagi, "Congestion Control Scheme to Enhance Quality of Service in Wireless Sensor Networks", International Journal of Pure and Applied Mathematics [SCOPUS], 2018, ISSN 1311-8080, Impact Factor=7.19, SNIP=0.394

- [4] Ajay Singh Yadav, Monika Johri, **Jitendra Singh**, Sanjeev Uppal, "Analysis of Green Supply Chain Inventory Management for Warehouse with Environmental Collaboration and Sustainability Performance using Genetic Algorithm ", *International Journal of Pure and Applied Mathematics*, Volume 118 No. 20 2018, 155-161, 2018. [SCOPUS] ISSN 1311-8080, Impact Factor=7.19, SNIP=0.394
- [5] **Jitendra Singh**, R. Porwal, and S. P. Singh, "Performance Measures of Tele-Protection System Based on Networked Microwave Radio Link", *International Journal of Computer Network and Information Security (IJCNIS)*, vol. 6, no. 5, pp 21-28, April 2014. ISSN: 2074-9090. DOI: 10.5815/IJCNIS.2014.05.03 [SCOPUS]

INTERNATIONAL JOURNALS (Other than Scopus)

- [6] Devendra, Sanjay, **Jitendra Singh** and Shashank. (2018). A Detailed Survey and Comparative Study of Cooperative Caching Methods for Mobile Ad Hoc Networks. *International Journal of Sensors, Wireless Communications and Control*. 08. 10.2174/2210327908666181120103838. [SCOPUS]
- [7] Aadil Sultan Wani, **Jitendra Singh**, Monika Johri, R. K. Tyagi, "Congestion Control Scheme to Enhance Quality of Service in Wireless Sensor Networks", *International Journal of Pure and Applied Mathematics* [SCOPUS], 2018, ISSN 1311-8080, Impact Factor=7.19, SNIP=0.394
- [8] Ajay Singh Yadav, Monika Johri, **Jitendra Singh**, Sanjeev Uppal, "Analysis of Green Supply Chain Inventory Management for Warehouse with Environmental Collaboration and Sustainability Performance using Genetic Algorithm ", *International Journal of Pure and Applied Mathematics*, Volume 118 No. 20 2018, 155-161, 2018. [SCOPUS][UGC Approved] ISSN 1311-8080, Impact Factor=7.19, SNIP=0.394
- [9] A. Lohani, **Jitendra Singh**, "Comparative Analysis of Classification Methods using Privacy Preserving Data Mining", *International Journal of Recent Trends in Engineering & Research, IJRTER* journal, vol. 2, Issue 4; April 2016 ISSN: 2455-1457
- [10] A. Lohani, A. Lohani, **Jitendra Singh**, and M. Bhardwaj, "Static Heuristics Classifiers As Pre-Filter for Malware Target Recognition (MATR)", *American Journal of Networks and Communications*. vol. 4, no. 3, pp. 44-48, April 2015, ISSN: 2326-8964, DOI: 10.11648/J.Ajnc.20150403
- [11] M. Johri and **Jitendra Singh**, "Survey on Watermark Embedding for Audio Signal", *SRM International Journal of Science And Technology*, vol. 2, no.1, pp 33-41, 2014
- [12] **Jitendra Singh**, Shivani, "Real Time Tracking of Human Poses Using Advanced Kalman Filter," *International Journal of Engineering & Technical Research*, Special Issue, vol. 1, pp 275-277, 2014. ISSN 2321-0869
- [13] **Jitendra Singh** and Yashika, "A Study of Optimistic Approaches and Applications of Biometric Systems" *International Journal of Engineering & Technical Research*, Special Issue, vol 1, pp 31-34, 2014. ISSN 2321-0869
- [14] **Jitendra Singh**, Monika Johri, Yashika, "Data Mining Applications and Techniques for

Handling Big Data: Survey”, *Turkish Journal of Engineering, Science and Technology, TUJEST*, vol. 2, no. 2, pp 97-101, 2014. ISSN 2147-9690

- [15] **Jitendra Singh**, Shivani, “Integrating Data Warehouse with OLAP Server” *Turkish Journal of Engineering, Science and Technology, TUJEST*, vol. 2, no. 3, pp 106-110, 2014. ISSN 2147-9690
- [16] F. U. Rashid, **Jitendra Singh**, A. Panwar, and M. Kumar, “Congestion Control Analysis over Wireless Ad Hoc Networks,” *International Journal of Engineering Research & Technology*, vol 2, no. 5, pp 462-465, May 2013. ISSN 2278- 018
- [17] **Jitendra Singh** and R. Porwal, “Working Capabilities of A.T.M. with Parallel Redundant Central Computer,” *International Journal of Computational Intelligence and Information Security*, vol 2, no. 11, Nov 2011 ISSN: 1837-7823
- [18] **Jitendra Singh** and R. Porwal, “Performance Analysis for a Network Having Standby Redundant Unit with Waiting in Repair” *Journal of Pure And Applied Science & Technology*, vol 1, no. 2, pp 98-109, Oct 2011 ISSN: 2249-9970
- [19] Y.N.Prajapati, **Jitendra Singh** and Varsha Gupta, “Application of Turing Machine for Simplification of Password or Secret Key Code,” *International Transactions in Applied Sciences (ITAS)*, vol 2, no. 1, pp 101-105, 2010. ISSN: 0974- 7273
- [20] G. K. Gupt and **Jitendra Singh**, “Truth of D-Dos Attacks IN MANET,” *Global Journal Of Computer Science And Technology*, vol 10, no. 15, pp 15-22, Dec 2010. ISSN: 0975- 4350
- [21] R. P. Mahapatra and **Jitendra Singh**, "Improving the Effectiveness of Software Testing through Test Case Reduction," *World Academy of Science, Engineering And Technology*, vol. 2, no. 1, pp. 337-342, 2008. ISSN: 2010-376X

INTERNATIONAL CONFERENCES

- [1] **Jitendra Singh**, “Applications, Challenges, and Research Issues in Cloud Computing: A Survey” 26th International Conference of International Academy of Physical Sciences on “Advances in Algebra and Analysis” Organized by Department of Mathematics, Marwadi University, Rajkot, Gujarat, India in association with International Academy of Physical Sciences, Prayagraj, December 18-20, 2020
- [2] **Jitendra Singh** “Diagnosing Covid19 using Image Processing and Machine Learning: A Comparative Study” 26th International Conference of International Academy of Physical Sciences on “Advances in Algebra and Analysis” Organized by Department of Mathematics, Marwadi University, Rajkot, Gujarat, India in association with International Academy of Physical Sciences, Prayagraj, December 18-20, 2020
- [3] **Jitendra Singh**, "A Survey on TCP Congestion Control Analysis over Wireless AdHoc Network," in *International Conference on Recent Trends in Computing - ICRTC – 2012*, SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Ghaziabad, Oct 4-5, 2012
- [4] **Jitendra Singh**, “Analysis for Network with Standby Redundant Unit”, in *International Conference on Recent Trends in Computing – ICRTC 2012*, SRM Institute of Science and

Technology, Deemed to be University, Delhi NCR Campus, Ghaziabad, Oct 4-5, 2012

- [5] **Jitendra Singh** and R. P. Mahapatra, "Secure User Authentication for Corporate Sector," in *SPIT IEEE Colloquium and International Conference*, SPIT Mumbai, vol 5, pp 51-56, Feb 4-5, 2008

NATIONAL CONFERENCES

- [1] **Jitendra Singh** and Shivani, "Real Time Tracking and Detection of Moveable Object using Extended Video Surveillance System", in *9th National Conference on Smarter Approaches in Computing Technologies & Applications, (Sacta-2014)*, Institute of Technology and Science, Ghaziabad, pp 261-263, 19th April, 2014
- [2] **Jitendra Singh** and Yashika, "Fingerprints: An Enhancement of Vision to Biometrics Systems", in *9th National Conference on Smarter Approaches in Computing Technologies & Applications, (Sacta-2014)*, Institute of Technology and Science, Ghaziabad, pp 264-266, 19th April, 2014
- [3] **Jitendra Singh** and Shivani, "Real Time Tracking of Human Poses using Advanced Kalman Filter," in *National Conference on Synergetic Trends in Engineering & Technology: Impact on Industry and Society-2014 (STET-2014)*, Eshan College Of Engineering, Mathura, pp 275-277, April 25-26, 2014
- [4] **Jitendra Singh** and Yashika, "A Study of Optimistic Approaches and Applications of Biometric Systems", in *National Conference on Synergetic Trends in Engineering & Technology: Impact on Industry and Society-2014 (STET-2014)*, Eshan College Of Engineering, Mathura, pp 31-34, April 25-26, 2014
- [5] **Jitendra Singh**, "Performance of Redundant Computer Network Based Systems", presented in *2nd National Conference on Recent Trends in Information and Communication Technology*, SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Modinagar, 27th Sept 2013
- [6] **Jitendra Singh** and R. Porwal, "Forecast for a Parallel Redundant Complex System", in *National Conference on Recent Trends in Information and Communication Technology*, SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Modinagar, 27th & 28th Sept. 2012
- [7] **Jitendra Singh**, "Performance Analysis of Traffic Signalling System", presented in *National Conference on Research and Development in Computational & Information Technology (NCRDCIT'12)*, SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Modinagar, 7th & 8th Sept. 2012
- [8] **Jitendra Singh**, "Content based Image Retrieval from Large Medical Image Database", presented in *National Conference on excellence in Technology and Management*, Sunder Deep Engineering College, Ghaziabad, on 7th & 8th May 2011
- [9] **Jitendra Singh** and M. Tyagi, "Secured E-Governance Based on Periodic Database Inspection and Prominence Auditing," in *National Level Conference On E-Governance For Rural Development- EGRD'09*, SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Modinagar, April 17-18, 2009

- [10] **Jitendra Singh** and Y.N.Prajapati, “Application of Pumping Lemma using Pigeonhole Principle”, in *National Level Conference On E-Governance For Rural Development- EGRD'09*, SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Modinagar, April 17-18, 2009
- [11] **Jitendra Singh** and Ranjeet Singh, “E- Society: A Partially Accomplished Vision,” in *National Level Conference on E-Governance for Rural Development- EGRD'09*, SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Modinagar, April 17-18, 2009

Awards and Achievements

- Certificate of appreciations awarded for organising Five Days **DST-Inspire Internship Science Camp-2016 Sponsored By Department of Science and Technology, Government of India** at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus, Ghaziabad (U.P) from 6th June 2016 to 10th June 2016
- Certificate of appreciations awarded for organising Two Days, The Techno-Cultural Fest of Department of CSE, **Cybonito 2016** at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus, Ghaziabad (U.P) held on 2nd and 3rd April 2016
- Organised **Cybonito 2015**, the National Level Techno-cultural Fest SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus held in 2015
- Certificate of excellence awarded for organising the National Level Technical Fest **Innovate-2015** at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus held on 8-9th October 2015
- Certificate of excellence awarded for organising the National Level Sports Fest, **Vajra 2015** of SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus held on 5-7th October 2015
- Certificate of appreciation awarded for organising **International Conference on Recent Trends In Computing, ICRTC 2015**, at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus held on 12-13 March, 2015
- Certificate of appreciation awarded for organising the two days “**Program on Network Simulator (NS2)**” at SRM, Delhi-NCR Campus, Modinagar, in Association with Computer Society of India (CSI) on 29th -30th Dec 2014
- Certificate of appreciation awarded for organising the National Workshop on “**Advanced Computational Paradigms and Future Direction**” at SRM Institute of Science and

Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus, on 17th May 2014

- Certificate of appreciation awarded for working as a Faculty Coordinator in **Cybonito 2014**, the National Level Techno-cultural Fest of Department of CSE, SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus held in 2014
- Certificate of appreciation awarded for the working as a Faculty Coordinator in **Vajra 2014**, the National Level Sports Fest of SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus held in the Month of October 2014
- Worked as Conference Secretary in **International Conference on Recent Trends In Computing - ICRTC – 2013**, at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus held on 4-5 October 2013
- Certificate of appreciation awarded for working as a Coordinator in **Hands-on Workshop on Advanced .NET Technologies**, conducted by the Department of CSE, SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus held on 26th -27th June 2013
- Certificate of appreciation awarded for organising a **Cybonito 2013,, the National Level Techno-cultural Fest** of Department of CSE SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus held in 2013
- Certificate of appreciation awarded for the working as a Faculty Coordinator in **Vajra 2013**, the National Level Sports Fest of SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus held in 2013
- Certificate of appreciation awarded for organising the working as Conference Secretary in **International Conference on Recent Trends In Computing - ICRTC'12**, at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus held on 4-5 October 2012
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Workshops/Seminars/FDPs

- Participated in one week Faculty Development Program on Emerging Trends and Applications of Machine Learning based Artificial Intelligence organised by Department of CSE, SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus, Ghaziabad (U.P) held on 20.02.2023 to 25.02.2023
- Attended Webinar on AI in Cyber Security on 03 December, 2022, organized by BVICAM, New Delhi.
- Contributed as coordinator in Workshop on Virtual Labs under the National Mission on Education through ICT(Ministry of Education, Govt. of India) dated 03rd November

2022, conducted by Team Virtual Labs, Indian Institute of Technology Roorkee, India at SRM Institute of Science and Technology, Delhi NCR Campus, Modinagar (U.P)

- Successfully completed Journal citation reports (JCR) Certification series -2022 from Clarivate on 10 August, 2022
- Participated in six-day Faculty Development Program on "Leveraging the Power of Teaching Pedagogy: Through Case Study Method" held from 20/06/2022 to 25/06/2022 organised by Faculty of Management studies, at SRM Institute of Science and Technology, Delhi NCR Campus, Modinagar (U.P)
- Attended the "IP and Youth: Innovating for a Better Future" organised by Turnip, 26th April 2022

- Participated in two week Faculty Development Program **Eruditia 2018** at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus, Ghaziabad (U.P) held on 12th June 2018 to 23rd June 2018
- Participated in two days **Ethical Hacking Program** at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus, Ghaziabad (U.P) held on 20-21Oct, 2017
- Successfully Participated in one week Faculty Development Program on **Software Testing** organized by the **Department of CSE** at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus, Ghaziabad (U.P) held on 28th Dec 2015 to 4th Jan 2016
- Successfully Participated in one week Faculty Development Program on **Faculty Development Program on Android Development** organized by the **Department of IT** in association with **NIIT Technologies** at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus, Ghaziabad (U.P) held on 11th Jan 2016 to 16th Jan 2016
- Successfully Completed **Saksham-IT Champion Training Program** from **Microsoft** held from 13th June 2016 to 18th June 2016
- Participated three days Faculty Development Program on **Entrepreneurship Development** conducted by **IEDC** in association with **Consultancy Services Cell, SBI** at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus, Ghaziabad (U.P) held on 3rd Nov 2015 to 5th Nov 2015
- Participated in one week AICTE recognized Short Term Course on **E-governance, Eco-preneurship and Green IT in Technical Institutions through ICT** conducted by **Entrepreneurship Development & Industrial Coordination Department** at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Ghaziabad (UP) from 09.02.2015 to 13.02.2015
- **CEO Meet - 2015, Leading Transformation through Crafting Technology Vision for India's Future** Organized by Department of IT, Institute of Technology and Science, Mohan

Nagar, Ghaziabad on 17 Oct' 2015

- Attended an Workshop on **IBM Bluemix** conducted by IBM Cloud Academy & CSI, Ghaziabad at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus on 17th July 2015
- Organized the **National Level Technical Workshop on CISCO** organized by Network Bridge conducted by Ritesh Agarwal at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Delhi-NCR Campus, on 21st July 2014
- Participated in the **10th National Seminar on Recent Trends in Software Technologies (RTST-2012)** organized by the Department of IT, Institute of Technology and Science, Mohan Nagar, Ghaziabad on 07 April 2012
- Participated in National Level Workshop on **Information Security** in association with **DRDO** on 23.02.2012
- Participated in the **Training Program on Wireless and Mobile Computing** at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Modinagar, 2008
- Participated in Workshop and Seminar on **Data Warehousing and Data Mining** at IPEM, Ghaziabad, held on 26 April 2008
- Participated in the National level Tech Fest **Innovate'08** at SRM Institute of Science and Technology, Deemed to be University, Delhi NCR Campus, Modinagar, 2008
- Participated in Workshop on **Information Security**, at SPIT- IEEE Colloquium and International Conference organized by Sardar Patel Institute of Technology, Andheri (W), Mumbai, on 4th and 5th February, 2008
- Participated in **Ankit Fadia's Seminar Computer Network Security and Ethical Hacking** by Mr. Ankit Fadia, Intelligence Consultant and The Author, at Karnataka House, New Delhi, on 2nd Dec 2007
- Participated in **Professional Development of Teaching and Learning Skills** by Dr. S. P. Mishra, Vice Chancellor, Dev Sanskriti Vishevidyalya, Oct 2007
-

Work Experience:

18 years of total experience of Teaching and Research.

- Working as Assistant Professor (Senior Grade), Department of Computer Science and Engineering at SRM Institute of Science and Technology, Deemed University, Delhi NCR Campus, Modinagar from Nov 2007 to till date.
- Worked as Lecturer, Department of Computer Science and Engineering at SRM Institute of Science and Technology, Deemed University, Delhi NCR Campus, Modinagar from June 2005 to Nov 2007.

Professional Memberships:

- › *Member of the **Institution of Engineers India, M.I.E, Kolkata***
- › *Member of the **Institution of Electronics and Telecommunication Engineers (India), M.I.E.T.E, New Delhi***
- › Member of **International Association of Computer Science and Information Technology, IACSIT, Singapore**
- › Member of **International Association of Engineers (IAENG), Hong Kong**
- › Member of **ACM- Computer Science Teacher Association (ACM-CSTA), USA**
- › *Member of **WASET - World Academy of Science, Engineering and Technology***