FACULTY PROFILE

Name: Dr. Dhowmya Bhatt

Designation: Professor

E_Mail: hod.ptc.ncr@srmist.edu.in

Professional Qualification:

➢ Ph.D (Nettwork Security), Mewar University, Chittorgarh (2017)

➢ M.Tech (CS & IT), Manonmaniam Sundaranar University, Tirunelveli (2005)

➢ B. Tech (IT) Maduari Kamarajar University, Madurai (2003)

Publications (Journals & Conferences):

1. M. Tholkapiya, B. Aruna Devi, **Dhowmya Bhatt**, et al Wireless Personal Communications, https://doi.org/10.1007/s11277-023-10333-3, Pages 1-25, 20/03/2023 Performance Analysis of Rice Plant Diseases Identification and Classification Methodology.

2. Sanjeev Kumar, Sachin Sirohi,Shailesh M. Pandey, **Dhowmya Bhatt** and Chandan Pandey Sustainability, Edition 14, pages 1-12 19/09/2022, Effect of Single Bevel Groove Geometry on the Impact Strength of Dissimilar Welded Joint of P22 and P91 Steel

3. Dr T. Rajesh Kumar, U.S.B.K. Mahalaxmi, Ramakrishna MM, **Dr Dhowmya Bhatt**,

Biomedical Signal Processing and Control, Volume 80, https://doi.org/10.1016/j.bspc.2022.104317 19/10/2022 Optimization enabled deep residual neural network for motor imagery EEG signal classification.

4. SachinSirohi, Shailesh M. Pandey, Vinita Tiwari, **Dhowmya Bhatt**, et al, International Journal of Pressure Vessels and Piping 201 https://doi.org/10.1016/j.ijpvp.2022.104867 06/12/2022 , Impact of laser beam welding on mechanical behaviour of 2.25Cr–1Mo (P22) steel.

5. Ishaani Priyadarshini, Rohit Sharma, **Dhowmya Bhatt**& M. Al-Numay, Cluster Computing, https://doi.org/10.1007/s10586-022-03662-8 Pages 1-17 17/08/2022 Human activity recognition in cyber-physical systems using optimized machine learning techniques.

6. **Dhowmya Bhatt**, et al MDPI, Basil, Energies 2021, 14,1045 Forecasting of Energy Demandsfor Smart Home Applications.

7. Book Chapter – Optimization and Inventory Management , Nita H Shah, Ajay Yadav, **Dhowmya Bhatt** Springer, Electronic Components' Supply Chain management of Electronic Industrial Developmentfor Warehouse and its Impact on the environment using particle swarm optimization Algorithm pages 427-458.

8. Faraaz Ali, **Dhowmya Bhatt**, Tanupriya, Abha A brief Analysis of Data MiningTechniques, IEEE explore/ 9004252.

9. **Dhowmya Bhatt** : Biometric Verification of ATM Security by Fingerprint, International Journal of Engineering and Science Research, December 2016, Volume 6, Issue 12, P.No292 to 296.

10. **Dhowmya Bhatt**, Madan Kumar, Mradula Sharma : Kerberos Using Public Key Cryptography in Authentication Protocol, International Journal of Engineering Researchand Management Technology, March 2016, Volume 3, Issue 2, P.No 291.

11. **Dhowmya Bhatt**, Mradula Sharma, Madan Kumar : Software Reliability Metrics for Qualitative Analysis , International Journal of Advanced Research in Engineering

Technology and Sciences, November 2014, Volume 1, Issue 2, P.No 30 **(DIIF Indexed)**

12. Madan Kumar, **Dhowmya Bhatt**, Mradula Sharma : Enhancement of Security when Photon Invalidates Encryption using Quantum Cryptography, International Journal of Engineering Research and Management Technology, September 2014, Volume 1, Issue5, P.No 256.

13. Mradula Sharma, Madan Kumar, **Dhowmya Bhatt** : Overall Equipment Efficiency Improvement, International Journal of Education and Science Research, February 2014,Volume 1, Issue 1, P.No 180 **(DIIF Indexed)**

14. **Dhowmya Bhatt**: Combinatorial Optimization Approaches in Metaheuristics - A problemsolver for the curse of Dimensionality, SRM International Joournal of Engineering and Sciences, February 2014, Volume 1, Issue 1, P.No 32.

15. **Dhowmya Bhatt** : Paradigm Shift in Software Reliablity Engineering, Emerging Trends and Exiting Problems, International Journal of Engineering and Science Research, June 2012, Volume 2, Issue 6, Article No 2, P.No 404 to 414.

16. **Dhowmya Bhatt**: Agent Based Simulation and Modeling of Wireless Sensor Networks, International Journal of Engineering and Science Research, April 2012, Volume 2, Issue4, Article No.9, P.No 242 to 248.

17. Dhowmya Bhatt, Mradula Sharma : ***Database Ownership Issues in Networking***, International Conference on Issues and Challanges in Networking, Intelligence andComputing Technologies 2nd & 3rd Spetember 2011, KIET, Ghaziabad, India.

18. Dhowmya Bhatt : ***A Roadmap to Database Ownership***, International Conference on Advanced Computing and Communication Technologies, 5th November 2011, APIIT, Panipat.

19. Dhowmya Bhatt : *SRE – Emerging Trends and Exiting Problems*, International Conference on Quality and Reliability Engineering, 20th December 2011,Indian Statistic Institute, Bangalore.

20. Dhowmya Bhatt, Security in Wireless Home network – the emerging Trends & Existing Problems, 2nd International Conference on Issues and Challenges in Networking, Intelligence and Computing Technologies, 7th and 8th September 2012, Krishna Instituteof Engineering & Technology, Ghaziabad.

21. Dhowmya Bhatt, Simulation with Modelling of Wireless Sensor Complexes using Agent Base, 7th and 8th September 2012, SRM University NCR Campus.

22. Dhowmya Bhatt, Compassion of Characteristics of Software in Uniframe Framework through Access Matching, 2nd International Conference on technological and Management.Advances in the New Age Economy: An Industry Perspective, 1st March 2014, MangalmayInstitutions, Greater Noida, Uttar Pradesh.

23. Dhowmya Bhatt, Software reliability Metrices for Qualitative Analysis, 8th March 2014,Shri. Ram Murti Smarak, College of Engg. & Tech, Bareilly, Uttar Pradesh.

24. Dhowmya Bhatt,, Global and Indian Perspective of E-waste and its environmental Impact, 27th and 28th December 2018, Department of Computer Science and Engineering,SRM University NCR Campus.

Awards and Achievements

➢ **Best Faculty Award** during Teachers' Day 2018 at SRM IST Delhi NCR Campus, Ghaziabad.

➢ **Women of Worth - 2020** award during Womens' Day Celebrations, 2020 at SRM ISTDelhi NCR Campus, Ghaziabad.

➢ **Best Teacher Award** during Teachers' Day 2022 at SRM IST Delhi NCR Campus, Ghaziabad.

Workshops/Seminars/FDPs

- ***Participated in the Third Indian Youth Science Congress*** at NASC Complex, New Delhi from 3rd to 5th November 2011.

- ***Organized one day Workshop on Cloud Computing*** in association with TATACONSULTANCY SERVICES, 13th January 2012.

- ***Organized a National Level Workshop on Information Security*** in association withDRDO on 23rd February 2012.

- ***Organized a National Level Seminar on Latest Trends in Networking and IPv6*** inassociation with CISCO India Private Ltd, 20th March 2012

- ***Conducted Faculty Development Programme for the Department of Education***, SRMUniversity NCR Campus from 15th to 17th May 2012.

- ***Faculty Development Programme on Paradigm Shift in Pedagogy & EIM*** on 8th and 9thFebruary 2012.

- ***Organized National Seminar on Research Methodology and Indian Literature inEnglish*** on 8th and 9th September 2014 at SRM University NCR Campus.

- ***Two days Workshop on Network Simulators (NS-2)*** organized by Department of Computer Science and Engineering, SRM University NCR Campus in association with CSI on 29th and 30th December 2014.

- ***Seminar on Innovative Ideas for MAKE in INDIA*** organized by Innovation and Entrepreneurship Development Centre (IEDC) on 23rd January 2015.

- ***National Level Workshop on Cyber Crime, Security and Information Protection*** organized by Department of Information Technology, SRM University NCR Campus on 23rd February 2015

- ***Three Days Faculty Development Programme on Entrepreneurship Development*** conducted by Innovation and Entrepreneurship Development Centre (IEDC) from 3rd - 5th November 2015.

- ***One week Faculty Development Programme on Android Development*** organized by Department of Information Technology in association with NIIT Technologies from 11th -16th January 2016.

- ➤ *IBM Bluemix* workshop conducted by Cloud Academy and CSI, Ghaziabad, 2017
- ➤ One Day *Seminar on Research Methodology* by Dr. D.P. Kothari on 1st March 2019.
- ➤ *National Workshop on Applications of Technical Terminology in Modeling, Optimization & Computing in Science and Technology* organized by Commission for Scientific and Technology Terminology 26th -28th April 2019.
- ➤ ISEA Workshop on Information Security Research Trends and Awareness organized by Indian Institute of Guwahati under ISEA – Project Phase II, 25th March 2022.

Work Experience: 15 years and 7 months

Professional Memberships:

- ➤ Life Member ISTE
- ➤ Member, IEEE