

Resume

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PROF. (DR.) SURJEET DALAL

Academic Qualification

- **Ph.D. Computer Science & Engineering** awarded from Suresh Gyan Vihar University Jaipur in July 2014 Ph.D. thesis titled "**Approach of Multi-agent System in controlling Bullwhip effect of Supply Chain Management System using Case-based Reasoning**" under the supervision of **Dr. S. Srinivasan**, Professor & H.o.D.
- **M.Tech. Computer Engineering**, P.D.M. College of Engineering Bahadurgarh affiliated with MDU Rohtak with 73% in July 2010.
- **B.Tech. Computer Engineering**, Jind Institute of Engineering & Technology Jind affiliated with KUK with 70% in July 2005
- **10+2 (Non-Medical Science)**, HBSE Bhiwani passed in March 2001.
- **10 (All Subjects)** HBSE Bhiwani passed in March 1999.

Teaching Experience: 17 Years

- **Professor since September 2022**
Working as Professor, Department of Computer Science and Engineering, Amity School of Engineering and Technology, Amity University Haryana, India.
- **Professor (November 2021 to September 2022)**
Worked as Professor, College of Computing Sciences & IT, Teerthanker Mahaveer University, Moradabad, Uttar Pradesh, India.
- **Associate Professor (August 2014 - October 2021)**
Working as Associate Professor, CSE Department, SRM University, Delhi-NCR, Sonepat, Haryana
- **Associate Professor (September 2013 - July 2014)**
Worked as Associate Professor, CSE Department, E-max School of Engineering & Applied Research, Ambala, Haryana
- **Assistant Professor (August 2010 - August 2013)**
Worked as Assistant Professor, CSE Department, Manav Rachna International University Faridabad, Haryana

- **Lecturer (July 2005 - June 2008)**

Worked as Lecturer, CSE Department, Jind Institute of Engineering & Technology, Haryana

PhD supervision (Completed):

- Neeraj Dahiya, Reg. No. 75314210014, Development and Implementation of Metaheuristic Algorithm for Data Clustering, SRM University Delhi-NCR, Haryana, dated 22/11/2018
- Uma Rani, Reg. No. 75314210005, Designing of Fuzzy Decision Support System with Multiple Parameter Dependency SRM University Delhi-NCR, Haryana dated 15/01/2021
- Bijeta Seth, Reg. No. 75315210002, Design of an Innovative Security Mechanism for Cloud Computing System SRM University Delhi-NCR, Haryana dated 19/02/2021
- Shakti Arora, Reg. No. 75314210010, Designing of Integrity based Algorithm to maintain the Trust in Decentralized Cloud Computing Environment SRM University Delhi-NCR, Haryana dated 14/07/2021
- Alisha Sikri, Reg. No. 75516210001, Ensemble-Based Machine Learning Algorithms for E-Commerce, SRM University Delhi-NCR, Haryana

PhD supervision (Ongoing):

- Ashish Bishnoi, Reg. No. TCA 21 Ph.D./258, Teerthanker Mahaveer University, Moradabad, U.P.
- Chandra Bhan Singh, Reg. No. TCA 21 Ph.D./377, Teerthanker Mahaveer University, Moradabad, U.P.
- Nikhil, Enroll. No.: 20-BMU-6053, Faculty of Sciences, BMU, Asthal Bohar, Rohtak

Research Project Submitted

- AIoT-based Covid-19 safety precautionary measurement system for students & Covid-19 Waste management at school premises, Reference No. : 182021013370, Core Research Grant, Science and Engineering Research Board, Dec 2021
- Edge AI-enabled IoT System for Crop Disease Detection and Prediction for Awareness in Farmers of Haryana state, Temporary Registration Number: TPN / 47044 in DST Delhi.
- Resolving Dark Zone Problem in Agriculture Sector using Artificial Intelligence of Things (AIoT) in Haryana submitted under R&D in CC&BT and Strategic Electronics of Ministry of Electronics and Information Technology (MeitY), Government of India, New Delhi for Financial Year 2020-2021.

Patents

1. **Tooth Brush with Digital Display**, Patent no: 312437, Dated 26/11/2018

2. **Smart Wearables To Prevent Road Accidents And Environment Hazards**, Application Number: 201911042241, dated 18/10/2019
3. **An Automatic Height Adjustable Footwear with Physical Parameter and Activity Analysis Mechanism of the user**, Application Number: 201911032835
4. **Digital Comb with Display**, Application no: - 202011015276 Date: 07/04/2020.
5. **Highly Precise Medicine Applicator**, Application no: - 202011015929 Date: 13/04/2020.
6. **Smart Mopping for Blind Zone**, Application no: - 202011022091 Date: 27/05/2020.
7. **Smart Water Tank With IoT Based Filthiness Alert System**, Application no 202011032123 dated 28/08/2020
8. **AIoT Based Smart Water Tank With Automatic Bathing Water Quality Awareness Alert System**, Application no 202011030663, dated 28/08/2020
9. **Smart Bottle For Ubiquitous Healthcare Support**, Application no 202011033829 dated 04/09/2020
10. **Model Of Enhanced Aarogya Setu App**, Application No. 202111015881 Publication Date (U/S 11a)04/06/2021
11. **SARS-COV-2 Presence Classification Via Chest Radiograph**, Application Number 202111029075, dated 23/07/2021
12. **Smart IoT Enabled Cloth Stand For Balcony**, Patent Application No 202211029308 dated 27-05-2022
13. **Cost Effective Smart Device for Monitoring and Early Detection of Spoilage of Stored Food Grain**, Application No 202211052935 dated 16-09-2022

Book Publication

1. **Green Internet of Things for Smart Cities: Concepts, Implications, and Challenges** ISBN: 978-0-367-85853-7, 2020, CRC Press
2. **Genetic Algorithm in Load Balancing problem of Cloud Computing** ISBN: 978-613-9-85394-6 ISBN-10: 613985394X, 2018, Lambert Academic Publishing
3. **Reshaping Intelligent Business and Industry: Convergence of AI and IoT at the Cutting Edge** (Wiley-Scrivener Publishing) Scopus Indexed- In the process
4. **Artificial Intelligence and Internet of Things in Sustainable Development** (CRC Press)- ISBN: 978-1-032-54943-9 In the process

Book Chapters

1. Alisha Sikri, Surjeet Dalal, NP Singh, Dac-Nhuong Le, Chapter 16 Mapping of E-Wallets with Features book titled 'Cyber Security in Parallel and Distributed Computing: Concepts, Techniques, Applications and Case Studies', John Wiley & Sons, 21-Mar-2019.

2. Seth B., Dalal S., Kumar R. (2019) Hybrid Homomorphic Encryption Scheme for Secure Cloud Data Storage. In: Kumar R., Wiil U. (eds) Recent Advances in Computational Intelligence. Studies in Computational Intelligence, vol. 823. Springer, Cham
3. Arora S., Dalal S., Kumar R. (2019) A Variant of Secret Sharing Protected with Poly-1305. In: Kumar R., Wiil U. (eds) Recent Advances in Computational Intelligence. Studies in Computational Intelligence, vol. 823. Springer, Cham
4. Seth B., Dalal S., Kumar R. (2019) Securing Bioinformatics Cloud for Big Data: Budding Buzzword or a Glance of the Future. In: Kumar R., Wiil U. (eds) Recent Advances in Computational Intelligence. Studies in Computational Intelligence, vol. 823. Springer, Cham
5. Mayank Goel, Amber Hayat, Akhtar Husain, and Surjeet Dalal, Chapter 3 Green-IoT (G-IoT) Architectures and Their Applications in the Smart City, Green Internet of Things for Smart Cities: Concepts, Implications, and Challenges ISBN: 978-0-367-85853-7, 2020, CRC Press, pp. 47-60
6. Bijeta Seth, Surjeet Dalal, and Neeraj Dahiya, Chapter 4 Practical Implications of Green Internet of Things (G-IoT) for Smart Cities, Green Internet of Things for Smart Cities: Concepts, Implications, and Challenges ISBN: 978-0-367-85853-7, 2020, CRC Press, pp. 61-82
7. Neeraj Dahiya, Surjeet Dalal, and Vivek Jaglan, Chapter 7 Efficient Green Solution for a Balanced Energy Consumption and Delay in the IoT-Fog-Cloud Computing, Green Internet of Things for Smart Cities: Concepts, Implications, and Challenges ISBN: 978-0-367-85853-7, 2020, CRC Press, pp. 113-124
8. Neeraj Dahiya, Surjeet Dalal, and Vivek Jaglan, Chapter 8 Mobility Management in Green IoT, "Green Internet of Things for Smart Cities: Concepts, Implications, and Challenges" ISBN: 978-0-367-85853-7, 2020, CRC Press, pp. 125-134
9. Nidhi Chawla and Surjeet Dalal, Chapter 14 Edge AI with Wearable IoT: A Review on Leveraging Edge Intelligence in Wearables for Smart Healthcare, Green Internet of Things for Smart Cities: Concepts, Implications, and Challenges ISBN: 978-0-367-85853-7, 2020, CRC Press, pp. 205-232
10. Meenu Vijarania, Neeraj Dahiya, Surjeet Dalal, and Vivek Jaglan, Chapter 16 WSN Based Efficient Multi-Metric Routing for IoT Networks, Green Internet of Things for Smart Cities: Concepts, Implications, and Challenges ISBN: 978-0-367-85853-7, 2020, CRC Press, pp. 249-262

Paper Publication:

SCIE Indexed Journals:

1. Bijeta Seth, Surjeet Dalal, Vivek Jaglan, Dac-Nhuong Le, Senthilkumar Mohan, Gautam Srivastava, Integrating Encryption Techniques for Secure Data Storage in the Cloud, Transactions on Emerging Telecommunications Technologies, DOI: <https://doi.org/10.1002/ett.4108> (Wiley Impact Factor 3.310)

2. Bijeta Seth, Surjeet Dalal, Dac-Nhuong Le, Vivek Jaglan, Neeraj Dahiya, Akshat Agrawal, Sharma Mayank Mohan, Prakash Deo and K. D. Verma, Secure Cloud Data Storage System using Hybrid Paillier–Blowfish Algorithm, *Computers, Materials & Continua*, Tech Science Press, Vol.67, No.1, 2021, pp.779-798, doi:10.32604/cmc.2021.014466 (Impact Factor 3.860)
3. Meenakshi Malik, Rainu Nandal, Surjeet Dalal, Vivek Jaglan and Dac-Nhuong Le, Driving Pattern Profiling and Classification Using Deep Learning, *Intelligent Automation & Soft Computing*, ISSN: 2326-005X, vol. 28, no.3, pp. 887–906, 2021(SCIE Impact Factor 3.401).
4. Meenakshi Malik, Rainu Nandal, Surjeet Dalal, Vivek Jaglan and Dac-Nhuong Le, Deriving Driver Behavioral Pattern Analysis and Performance Using Neural Network Approaches, *Intelligent Automation & Soft Computing*, ISSN: 2326-005X, Vol.32, No.1, 2022, pp.87-99, doi:10.32604/iasc.2022.020249 (Impact Factor 3.401).
5. Edeh Michael Onyema, Piyush Kumar Shukla, Surjeet Dalal, Mayuri Neeraj Mathur, Mohammed Zakariah, Basant Tiwari, "Enhancement of Patient Facial Recognition through Deep Learning Algorithm: ConvNet" *Journal of Healthcare Engineering*, vol. 2021, Article ID 5196000, 8 pages, 2021. <https://doi.org/10.1155/2021/5196000>, Hindawi Publication (Impact factor 3.822)
6. Edeh MO, Dalal S, Dhaou IB, Agubosim CC, Umoke CC, Richard-Nnabu NE and Dahiya N (2022) Artificial Intelligence-Based Ensemble Learning Model for Prediction of Hepatitis C Disease. *Front. Public Health* 10:892371. doi: 10.3389/fpubh.2022.892371 (Impact factor 6.461)
7. Surjeet Dalal, Bijeta Seth, Vivek Jaglan, Meenakshi Malik, Surbhi, Neeraj Dahiya, Uma Rani, Dac-Nhuong Le, Yu-Chen Hu, "Adaptive Traffic Routing Practice for Load Balance and Congestion Control in AdHoc Network in Cloud-MANET", *Soft Computing*, 26, pp. 5377–5388 (2022) DOI 10.1007/s00500-022-07099-4 (Springer Impact factor 3.643).
8. Meenakshi Malik, Rainu Nandal, Surjeet Dalal, Ujjawal Maan and Dac-Nhuong Le, 'An Efficient Driver Behavioral Pattern Analysis Based on Fuzzy Logical Feature Selection and Classification in Big Data Analysis'. *Journal of Intelligent & Fuzzy Systems* 43 (2022) 3283–3292 DOI:10.3233/JIFS-212007 (Impact Factor 1.737).
9. Edeh Michael Onyema, Surjeet Dalal, Shahab B Band, Bijeta Seth, Praise Young, Mohd Anas Wajid, An Ensemble Intrusion Detection Technique Based on Cyborg Intelligence for Protecting Cloud Network Traffic of Smart Cities, *Journal of Cloud Computing: Advances, Systems and Applications*, Vol. 11 issue 26 pp. 1-20 2022 <https://doi.org/10.1186/s13677-022-00305-6> (Springer Impact factor: 3.222)
10. Dalal, S., Onyema, E., Romero, C., Ndufeiya-Kumasi, L., Maryann, D., Nnedimkpa, A. & Bhatia, T. (2022). Machine learning-based forecasting of potability of drinking water through adaptive boosting model. *Open Chemistry*, 20(1), 816-828. <https://doi.org/10.1515/chem-2022-0187> (Impact Factor: 1.977)

11. John Zaki, Anand Nayyar, Surjeet Dalal, Zainab H Ali, House Price Prediction using Hedonic Pricing Model and Machine Learning Technique, *Concurrency and Computation: Practice and Experience*, 2022; e7342. pp. 1-15 doi:10.1002/cpe.7342 (Wiley, Impact factor:1.536)
12. Michael Onyema Edeh, Surjeet Dalal, Peter Vesely, Prof. Aasim Zafar, Shalini Zanzote Ninoria, Mohd Anas Wajid, Bootstrapping Random Forest and CHAID for Prediction of White Spot Disease among Shrimp Farmers, *Scientific Reports*, (2022) 12:20876 <https://doi.org/10.1038/s41598-022-25109-1> (Nature Impact factor: 4.9)
13. Surjeet Dalal, Edeh Michael Onyema and Amit Malik, Hybrid XGBoost model with Hyperparameter Tuning for prediction of Liver disease with better accuracy, *World Journal of Gastroenterology*, 2022; 28(46): 6551-6563 [DOI: 10.3748/wjg.v28.i46.6551] (Impact factor: 5.34)
14. Surjeet Dalal, Bijeta Seth, Magdalena Radulescu, Carmen Secara, Claudia Tolea, Predicting Fraud in Financial Payment Services through Optimized Hyperparameter Tuned XGBoost Model, *Mathematics* 2022, 10, 4679. <https://doi.org/10.3390/math10244679> (Impact factor: 2.592)
15. Surjeet Dalal, Bijeta Seth, Umesh Kumar Lilhore, Mounir Hamdi, Kaamran Raahemifar, Deema mohammed alsekait and Sarita Simaiya; Extremely Boosted Neural Network for more accurate Multi-stage Cyber-attack prediction in Cloud Environment, *Journal of Cloud Computing*, 12, 14 (2023). <https://doi.org/10.1186/s13677-022-00356-9> (Impact factor: 3.418)
16. Dalal S, Seth B, Radulescu M, Cilan TF, Serbanescu L. Optimized Deep Learning with Learning without Forgetting (LwF) for Weather Classification for Sustainable Transportation and Traffic Safety. *Sustainability*. 2023; 15(7):6070. <https://doi.org/10.3390/su15076070> (Impact factor: 3.889)
17. Surjeet Dalal, Poongodi M, Umesh Kumar Lilhore, Deema Mohammed alsekait, Amena Mahmoud, Sarita Simaiya "Optimized LightGBM Model for Security and Privacy Issues in Cyber-Physical Systems" *Transactions on Emerging Telecommunications Technologies*, DOI: 10.1002/ett.4771. (Wiley Impact Factor: 3.310)
18. Umesh Kumar Lilhore; Poongodi Manoharan; Sarita Simaiya; Roobaea Alroobaea; Majed Alsafyani; Abdullah M. Baqasah; Surjeet Dalal; Ashish Sharma; Kaamran Raahemifar, HIDM: Hybrid Intrusion Detection Model for Industry 4.0 Networks using an Optimized CNN-LSTM with Transfer Learning, *Special Issue: Machine Learning for Wireless Sensor Network and IoT Security, Sensors (ISSN 1424-8220)- Accepted* (Impact factor: 3.847)
19. Surjeet Dalal; Umesh Kumar Lilhore; Poongodi M; Uma Rani; Fadl Dahan; Fahima Hajje; Ismail Keshta; Ashish Sharma; Sarita Simaiya; Kaamran Raahemifar, An Efficient Brain Tumour Segmentation Method Based on Adaptive Moving Self-Organising Map and FUZZY KMean, *Special Issue: Advanced Machine Learning Techniques for Biomedical Imaging Sensing and Healthcare Applications 2023*,

Section: Intelligent Sensors; Sensors (ISSN 1424-8220)- Accepted (Impact factor: 3.847)

20. Umesh Kumar Lilhore; Poongodi Manoharan; Sarita Simaiya; Roobaea Alroobaea; Majed Alsafyani; Abdullah M. Baqasah; Surjeet Dalal; Ashish Sharma; Kaamran Raahemifar, Hybrid Model for Precise Hepatitis-C Classification using Improved Random Forest and SVM Method, Scientific Reports- Accepted (Nature Impact factor: 4.9)
21. Umesh Kumar Lilhore, Ghaida Muttashar Abdulsahib, Sarita Simaiya, Ashish Sharma, Surjeet Dalal, Lisu Yu, Sartajvir Singh, Sachin Ahuja, Osamah Ibrahim Khalaf An Energy-Efficient Workload offloading Model using Deep Learning and Cybertwin-driven Resource allocation for MEC Networks, Scientific Reports- Revision (Nature Impact factor: 4.9)
22. Umesh Kumar Lilhore, Sarita Simaiya, Surjeet Dalal, Magdalena Radulescu, Daniel Balsalobre-Lorente, A Smart Waste Classification Model Using Hybrid CNN-LSTM with Transfer Learning for Sustainable Environment, Gondwana Research Manuscript ID: GWR-D-23-00316- Revision (Elsevier Impact factor: 6.151)

Scopus Indexed Journals:

1. Bijeta Seth, Surjeet Dalal, Designing Hybrid Security Architecture in Multi Cloud System, International Journal of Control Theory and Applications, Vol. 9, Issue 41, pp. 767-776, 2016
2. Dac-Nhuong Le, Bijeta Seth, Surjeet Dalal, A Hybrid Approach of Secret Sharing with Fragmentation and Encryption in Cloud Environment for Securing Outsourced Medical Database: A Revolutionary Approach, Journal of Cyber Security and Mobility, Vol. 7, Issue 4, pp. 379-408, 2018, (Scopus Indexed)
3. U. Rani, S. Dalal, and J. Kumar, "Optimizing performance of fuzzy decision support system with multiple parameter dependency for cloud provider evaluation," Int. J. Eng. Technol., vol. 7, no. 1.2, pp. 61–65, 2018.
4. B. Sudha, Surjeet Dalal, Kathiravan Srinivasan, Early Detection Of Glaucoma Disease In Retinal Fundus Images Using Spatial FCM With Level Set Segmentation, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8 Issue-5C, pp. 1342-1347, May 2019 India.
5. Shakti Arora, Surjeet Dalal, Integrity Verification Mechanisms Adopted in Cloud Environment, International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-8, Issue-6S3, pp. 1713-1717, September 2019
6. Shakti Arora, Surjeet Dalal, DDoS Attacks Simulation in Cloud Computing Environment, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-1, pp. 414-417, November 2019
7. Arora, Shakti; Dalal, Surjeet, Trust Evaluation Factors in Cloud Computing with Open Stack, Journal of Computational and Theoretical Nanoscience, Volume 16,

- Number 12, December 2019, pp. 5073-5077(5), Publisher: American Scientific Publishers, DOI: <https://doi.org/10.1166/jctn.2019.8566>
8. Arora, Shakti; Dalal, Surjeet, An Optimized Cloud Architecture for Integrity Verification, *Journal of Computational and Theoretical Nanoscience*, Volume 16, Number 12, December 2019, pp. 5067-5072(6), Publisher: American Scientific Publishers, DOI: <https://doi.org/10.1166/jctn.2019.8565>
 9. Surjeet Dalal, Osamah Khalaf, Prediction of Occupation Stress by Implementing Convolutional Neural Network Techniques, *Journal of Cases on Information Technology (JCIT)*, Vol. 23, issue 3, July-Sept. 2021, pp. 27-42 (WoS ESCI)
 10. Upasna Jindal, Dr. Surjeet Dalal, G. Rajesh, Najm Us Sama, NZ Jhanjhi, Mamoon Humayun, An integrated approach on verification of signatures using multiple classifiers (Support vector machine and Decision Tree): A Multi classification approach, *International Journal of Advanced and Applied Sciences*, 9(1) 2022, Pages: 99-109 DOI: <https://doi.org/10.21833/ijaas.2022.01.012> (WoS ESCI).
 11. Surjeet Dalal, Michael Onyema Edeh, Pawan Kumar, Ohwo Stephen Oke, Akindutire Opeyemi Roselyn, Dr. Mercy Ifeyinwa Obichili, A Hybrid Machine learning Model for Timely Prediction of Breast Cancer, *International Journal of Modeling, Simulation, and Scientific Computing* (2023) 2341023 (21 pages) DOI: 10.1142/S1793962323410234 (WoS ESCI).
 12. S Pradeep, Yogesh Kumar Sharma, Chaman Verma, Surjeet Dalal, Cypr Prasad, Energy Efficient Routing Protocol in Novel Schemes for Performance Evaluation, *Applied System Innovation* 2022, 5, 101. <https://doi.org/10.3390/asi5050101>
 13. E.M. Onyema, U.K. Lilhore, P. Saurabh, S. Dalal, A.S. Nwaeze, A.T. Chijindu, L.C. Ndufeiya-Kumasi, S. Simaiya, Evaluation of IoT-Enabled hybrid model for genome sequence analysis of patients in healthcare 4.0, *Measurement: Sensors* (2023), doi: <https://doi.org/10.1016/j.measen.2023.100679>.
 14. Alisha Sikri, N. P. Singh, Surjeet Dalal, Analysis of Rank Aggregation Techniques for Rank Based on the Feature Selection Technique, *International Journal on Recent and Innovation Trends in Computing and Communication* ISSN: 2321-8169 Volume: 11 Issue: 3s, pp. 95 – 108
 15. Alisha Sikri, N. P. Singh, Surjeet Dalal. Chi-Square Method of Feature Selection: Impact of Pre-Processing of Data. *International Journal of Intelligent Systems and Applications in Engineering* 11.3s (2023): 241-248.
 16. Amit Malik, Edeh Michael Onyema, Surjeet Dalal, Umesh Kumar Lilhore, Darpan Anand, Ashish Sharma, Sarita Simaiya, Forecasting Students' Adaptability in Online Entrepreneurship Education Using Modified Ensemble Machine Learning Model, *Array*, 2023, 100303, ISSN 2590-0056, <https://doi.org/10.1016/j.array.2023.100303>
 17. Edeh Michael Onyema, Surjeet Dalal, Celestine Iwendi, Bijeta Seth, Nwogbe Odinakachi, Anyalor Maureen Chichi, Management and prediction of navigation of industrial robots based on neural network, *International Journal of Services, Economics and Management* - Accepted

UGC/ Peer-reviewed/ Refereed Indexed Journals:

1. Surjeet Dalal, Vivek Jaglan and Dr. S. Srinivasan, Enhancing security of agent program code using jar files in International Journal on Computer Science and Engineering ISSN: 0975-3397, Vol. 3 No. 4, April 2011 pp. 1627-1632.
2. Surjeet Dalal, Vivek Jaglan and Dr. S. Srinivasan, Improving Performance of Business Intelligence through Case based reasoning in International Journal of Engineering Science and Technology ISSN: 0975-5462, Vol. 3 No. 4, April 2011, pp 2880-2886.
3. Surjeet Dalal, Keshav Jindal and Dr. Vijay Athavale, Case retrieval optimization of Case-based reasoning through Knowledge-intensive Similarity measures in International Journal of Computer Applications ISSN: 0975-8887 Vol. 34 No. 3, pages 12-18, November 2011. Published by Foundation of Computer Science, New York, USA.
4. Surjeet Dalal, Keshav Jindal and Vivek Jaglan, Comparative Study On IEEE 802.11 Wireless Local Area Network Securities in International Journal of Advanced Research in Computer Science ISSN No. 0976-5697 Vol. 3, No. 1, pp. 420-424, Jan-Feb 2012.
5. Surjeet Dalal, Dr. Vijay Athavale, Analyzing the supply chain strategy using Case-based Reasoning in Journal of Supply Chain Management System ISSN: 2277-1387 Vol. 1 Issue 3, pp. 40-48, July 2012.
6. Surjeet Dalal, Keshav Jindal and Gundeep Tanwar, Congestion Control Framework in Ad-Hoc Wireless using Neural Networks in QoS in International Journal of Research in Computer Engineering and Electronics, ISSN: 2319-376X, Vol. 1, No 1, pp. 15-18, August 2012.
7. Surjeet Dalal, Keshav Jindal and Gundeep Tanwar, Agent oriented programming in trading system automation in International Journal of Research in IT, Management and Engineering ISSN: 2249-1619 Vol. 2, Issue 8, pp. 51-59, August 2012.
8. Surjeet Dalal, Keshav Jindal and Dr. Vijay Athavale, Designing Case-based reasoning applications with Colibri Studio in International Journal of Research in Computer Engineering and Electronics, ISSN: 2319-376X, Vol. 1, No 1, pp. 15-18, August 2012
9. Nitin Ahuja and Surjeet Dalal, Enhancing Intelligent Agent's reasoning Capability through Computational Intelligence in International Journal of Engineering & Science Research ISSN: 2277-2685, Vol-2 Issue-9, Article No-46, pp. 1366-1372, Sept 2012.
10. Surjeet Dalal and Dr. Vijay Athavale, Challenging Bullwhip effect of Supply chain through Case-based Multi-agent system: A Review in International Journal of Advanced Research in Computer Science and Software Engineering ISSN: 2277-128X, Vol. 2, Issue 12, pp. 267-272, December- 2012.
11. Surjeet Dalal, Gundeep Tanwar, Naveen Alhawati, Designing CBR-BDI Agent for implementation of Supply Chain system in International Journal of Engineering

- Research and Applications ISSN: 2248-9622, Vol. 3 Issue 1, pp. 1282-1262, January-February 2013.
12. Surjeet Dalal, Dr. Kamal Kumar Sharma, Simulating supply chain activities in multi-agent based supply chain management system with plasma simulator, International journal of Computer Science & Communication ISSN-0973-7391, Volume-4, Number-1, March 2013 pp. 80-85.
 13. Surjeet Dalal, Dr. S Srinivasan, Constructing an Orchestration Engine for Supply Chain Management system, International Journal of Computer Science and Management Research, ISSN: 2278-733X, Vol. 2, Issue 6, pp. 2709-2715, June 2013.
 14. Surjeet Dalal & Pooja Chahar, Deadlock Resolution Techniques: An Overview in International Journal of Scientific and Research Publications (IJSRP), ISSN 2250-3153, Volume 3, Issue 7, July 2013, pp. 1-6.
 15. Surjeet Dalal, Dr. Vijay athavale, Dr. RC Chhipa, Designing supply chain strategy for water utilization using Case-based Reasoning in SGVU International Journal of Engineering and Technology ISSN: 2277-6915 Vol. 1 Issue 2, pp. 23-28, July 2013.
 16. Surjeet Dalal, Keshav Jindal, Monika Nirwal, Developing Flexible Decision Support Systems Using Case-Base Reasoning System in International Journal of Engineering and Management Research, Vol.-3, Issue-4, August 2013, ISSN No.: 2250-0758, Pages: 13-17.
 17. Surjeet Dalal, Keshav Jindal and Dr. S Srinivasan, Agent-based Decision Support System using Case-based Reasoning in International Journal of Advanced Research in Computer Science and Software Engineering ISSN: 2277-128X, Vol. 3, Issue 11, November 2013, pp. 879-893.
 18. Surjeet Dalal, Dr. Gundeep Tanwar, Dr. Kamal Kumar Sharma, BPEL based scheduling in multi-agent system for business applications in International Journal of IT & Knowledge Management (ISSN 0973-4414), Volume 7, Number 1, December 2013 pp. 103-107.
 19. Surjeet Dalal, Dr. Vivek Jaglan, Dr. Kamal Kumar Sharma, Designing Architecture of Demand Forecasting Tool using Multi-agent system, International Journal of Advanced Research in Engineering and Applied Sciences ISSN: 2278-6252, Vol. 3, No. 1, January 2014, pp. 11-20.
 20. Surjeet Dalal, Dr. Vivek Jaglan, Dr. Kamal Kumar Sharma, Integrating Multi-case-base-reasoning with Distributed case-based reasoning, International Journal of Advanced Research in IT and Engineering ISSN: 2278-6244, Vol. 3, No. 1, January 2014, pp. 29-38.
 21. Surjeet Dalal, Diminishing coordination problem of Multi-agent system through Java Interagent in International Journal of Research Aspects of Engineering and Management ISSN: 2348-6627, Vol. 1, Issue 1, Feb 2014, pp. 25-28
 22. Surjeet Dalal and Sunil Verma, Optimizing Intrusion Detection System using Genetic Algorithm in International Journal of Research Aspects of Engineering and Management ISSN: 2348-6627, Vol. 1, Issue 1, Feb 2014, pp. 42-45.

23. Mohit Bhardwaj, Surjeet Dalal and Dr. Kamal Sharma Cloud Computing Security Issues & Challenges, International Journal of Research Aspects of Engineering and Management ISSN: 2348-6627, Vol. 1, Issue 2, June 2014, pp. 5-9.
24. Apruva Mittal, Surjeet Dalal and Dr. Kamal Sharma Applying Clustering algorithm in case retrieval phase of the case-based reasoning, International Journal of Research Aspects of Engineering and Management ISSN: 2348-6627, Vol. 1, Issue 2, June 2014, pp. 14-16.
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6. Surjeet Dalal, Keshav Jindal and Amit Mahal, Security issues and research of Vehicular Adhoc-Networks(VANET) in proceeding of National Conference on Advanced in Computational Intelligence - (NCACI-11) pp. 3 organized by Sat Priya Group of Institutions Rohtak dated 9 July 2011.
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14. Surjeet Dalal, Akshat Agrawal, Neeraj Dahiya, Jatin Verma, "Software Process Improvement (SPI) assessment for Cloud application based on Fuzzy Analytical Hierarchy Process Method", Proceeding of The 20th International Conference on

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15. Shetty, Sahana, and Surjeet Dalal. "Bi-Directional Long Short-Term Memory Neural Networks for Music Composition." 2022 Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT). IEEE, 2022.
16. S. H. K and S. Dalal, "The Smart Analysis of Poisson Distribution Pattern Based Industrial Automation in Industry 4.0," 2023 International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE), Ballar, India, 2023, pp. 1-6, doi: 10.1109/ICDCECE57866.2023.10151388.

Expert Lectures

- Artificial Intelligence of Things for Social Good, National Institute of Electronics and Information Technology (NIELIT) on dated 22nd July 2022.
- Explainable Artificial Intelligence (XAI), DPG Institute of Technology and Manage in Marathon Lecture Series, 2022 on 19/03/2022
- Industrial Perspective of Artificial Internet of Things, DPG Institute of Technology and Management in association with Institute's Innovation Council (IIC) on 13/10/2021
- Incorporating Industrial Internet of Things (IIoT) with AI for Health Domain in IMPSCET on 18th July, 2020
- ICT Integration with IBT lecture delivered at SGCoE Gohana dated 19th June 2016
- Cloud Security-Expert Lecture delivered at RN College of Engineering and Technology Panipat on 1st May 2015

Conference's Invited Talk

- Keynote Session "Artificial Intelligence of Things" in International Conference on Applied Mathematics, Modeling and Simulation in Engineering (AMSE) 2021 dated 17th September 2021 organized by Stanley College of Engineering & Technology for Women
- Enhancing security of MAS based web sites by integration of JADE and JAAS System- An Invited Talk in National conference on Internet Governance & Internet Security (IGIS-2015) on 31st March 2015 in the campus of KIIT Group of Colleges, Gurgaon
- Self-organizing Maps for Disease Detection in International conference on Innovative trends of Computing Technology and Mathematica (ITCTM-2015) Conference by DITM Sonapat dated 14th March 2015

Conference Chair/Co-Chair

- National Seminar on Recent Innovation in Science, Engineering & Management RISEM-2022, DPG Institute of Technology, & Management, sector 34, Gurgaon, 11th and 12th May, 2022
- International Conference on Applications and Innovations in Intelligent System, Modelling and Optimization (COMPUTATIA – 2021), Vivekananda Global University, Jaipur, December 17-18, 2021
- National conference on Emerging Trends in Smart Computing (ETSC-2019) Conference by Department of Computer Application, MDU Rohtak dated 27th March 2019.
- 3rd International conference on Contemporary Computing and Infomatics (iC³I 2018) Conference by Amity University Mansesar technically sponsored by IEEE dated 11th October 2018
- International conference on Emerging Trends in Expert Applications and Security (ICETEAS-2018) Conference by JECRC University Jaipur technically sponsored by Springer dated 17th February 2018.
- International conference on Wireless Intelligent & Distributed Environment for Communication (WIDECOM-2018) Conference by SRM University Sonapat technically sponsored by Springer dated 16th February 2018.
- International conference on Innovative trends of Computing Technology and Mathematica (ITCTM-2015) Conference by DITM Sonapat dated 14th March 2015.

M.Tech Thesis supervision:

- Nishant Kumar, Lion Optimization Algorithm in Resource Management in Cloud Computing, SRM University Haryana (Completed in June 2018)
- Vishakha, Genetic Algorithm in Load balancing problem of Cloud Computing, SRM University Haryana (Completed in June 2017)
- Deepika Sharma, Evaluating Heuristic based Load Balancing Algorithm through Ant Colony Optimization, E-max School of Applied Science & Research Ambala (Completed in June 2014)
- Apurva Mittal, Implying Cure algorithm in case retrieval stage of the case-based reasoning, E-max School of Applied Science & Research Ambala (Completed in June 2014)
- Priyanka Sharma, Preventing Sybil Attack in MANET using Super nodes approach, E-max School of Applied Science & Research Ambala (Completed in June 2014)
- Mehru Nisha Sheikh, Dr. Kamal Sharma, Surjeet Dalal, Efficient Method for Wimax Soft Handover in VOIP and IPTV, E-max School of Applied Science & Research Ambala (Completed in June 2014).

- Amit Mittal, Enhancing performance of MAS based business tool using CBR approach, E-max School of Applied Science & Research Ambala (Completed in June 2014).
- Sonali Sharma, Feature Recognition from Histogram and Eigen Algorithm in Digital Image Processing, E-max School of Applied Science & Research Ambala (Completed in June 2014).
- Simi Sharma, Multi objective parameters for real time scheduling in cloud computing, E-max School of Applied Science & Research Ambala (Completed in June 2014).

Ph.D. Work Submitted:

The PhD thesis titled as "**Approach of Multi-agent System in controlling Bullwhip effect of Supply Chain Management System using Case-based Reasoning**" under the supervision of **Dr. S. Srinivasan, Professor & H.o.D.** had been awarded. I have worked on Multi-agent system based SCM system in which intelligent agents having Case-based reasoning capability. Using this technology, the Bullwhip effect is being tackled successful. The system is coded into Java language with use of JADE & jColibri tools.

Workshop Attended:

- One day Workshop on Oracle Technology held at JIET Jind dated 25th Nov 2007.
- Two days Workshop on "High Performance & Technical Computing HPTC" held at NIMS Jaipur dated 25-26th September 2011.
- Two days Workshop on "Geo-Spatial Technologies and Applications" sponsored by DST and DRDO held at MRIU Faridabad dated 30-31st May 2012.
- Two days Workshop on "Geo-Cloud Computing and Cryptology applications" sponsored by DST and DRDO held at MRIU Faridabad dated 21-22nd September 2012.
- Five-day online Faculty Development Programme on "Advances In Computational Intelligence & Machine Learning Applications" held from 4th - 8th May 2020 at Amity University Uttar Pradesh, Noida.

Membership:

- Executive Editor of International Journal of Research Aspects of Engineering and Management ISSN 2348-6347
- Computer Society of India Membership number 01121643
- International Association of Engineers (IAENG) Membership number 110476
- International Association of Computer Science and Information Technology (IACSIT) Membership number 80343557

Skill set:

Interested Subjects : Java, AI, Computer Graphics
Languages : C++, Java
Web Technologies : HTML, XML, JSP
Operating System : Windows 9x/ XP

Extra-Curricular Activities:

- Program Chair, BCA Course, TMU Moradabad, U.P.
- Convener, TIMES-2019, SRM University Haryana dated 26th -27th April 2019.
- Ph.D. Departmental Coordinator, SRM University Haryana
- Convener, Proctor committee at E-Max Group of Institutions Ambala
- Shift Coordinator (IInd shift) CSE dept MRIU Faridabad
- Coordinator & in-charge- AICTE portal, IIET Kinana, Haryana
- Implemented INTRANET at JIET Jind. Haryana
- Member- Committee for NBA accreditation, JIET Jind Haryana
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- Deputy Superintendent, K.U. Exams, Haryana
- Member, Anti-ragging Committee, MRIU Faridabad, Haryana
- Member, Admission cell, MRIU Faridabad, Haryana
- Paper Setter of K.U. Kurukshetra & MRIU University Exams
- Practical Examiner, M.D. University, Rohtak & K.U. Kurukshetra

Research ID Indexing

- Google Scholar
<https://scholar.google.com/citations?user=owelGWAAAAAJ&hl=en>
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https://www.researchgate.net/profile/Surjeet_Dalal3
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<https://publons.com/researcher/3576607/surjeet-dalal/>

Personal Details:

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A handwritten signature in blue ink, appearing to read 'Surjeet Dalal', with a horizontal line underneath.

Prof. (Dr.) Surjeet Dalal