



Curriculum Vitae

Name: Dr. Suman Mann
Designation: Associate Professor (IT)
Present Address: Information Technology Department, C-4 Janakpuri Delhi 110058
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E-mail:- sumanmann2007@gmail.com

Academic Qualifications:

- Doctor of Philosophy (Ph. D.) in computer science in the area of data warehousing from GGSIPU
- Master of Technology (M. Tech.) in Computer Science from G.N.D.E.C. Ludhiana under PTU, Jalandhar
- Bachelor of Technology (B. Tech.) in Computer Science and Engineering under Kurukshetra University

Fields of Interest:

- Data Warehousing
- Artificial Intelligence and Machine Learning

Awards/Academic achievements:

- Received 1st Jijabai Shikshak award on 8-10-2023 by Vishwaroop Education conducted at NDMC center Delhi.
- Received Visionary Mentor Award on the occasion of Teachers day for the event Changing Chalks held at Rishihood University on 3-09-2023.
- Outstanding Woman in Engineering - 2017 by Venus International Foundation
- Awarded excellence in Branch Counseling form IEEE Delhi Section for the year 2009
- AICTE certified Mentor for inductee teachers.
- Certificate of Appreciation from president SMES for outstanding result for 3 continuous years.
- Topper in 8-weeks AICTE approved Massive Open Online Courses (MOOCs) course on “Introduction to machine learning” IIT Kharagpur from 25th July to 16th September 2022.
- Awarded Excellence in Research for the year 2022 during Annual Day of MSIT April 15, 2023 in recognition for an outstanding contribution to the institution in academic, research & publications and co-curricular activities.
- Supervisor of B.Tech student in their major project “Android based security system-2015”, got 2nd position in Project competition held at GGSIPU
- Supervisor of B.Tech student (2018) in their major project “The Intelligizer System 2.0 Enhanced User Personalization using Modular Neural Networks” got first position in Project competition held at GGSIPU.

- Overall Project coordinator for the year 2019 nominated by GGSIPU.
- MSIT Governing Body member for 2 year (2017-2019)
- Certificate of recognition for IEEEExtreme Programming Competition in year 2010

Research Supervision at the level of Ph. D. / B. Tech.

- Ph. D. awarded: 02
- Ph. D in progress. 02
- B. Tech. students guided: 70

Teaching Experience (20+ years):

- Associate Professor (IT), in Maharaja Surajmal Institute of Technology, Delhi, India from 30-03-2016 to Till date
- Assistant Professor (IT), in Maharaja Surajmal Institute of Technology, Delhi, India from 21-06-2008 to 29-03-2016
- Assistant Professor (CSE), Dronacharya College of Engineering, Gurgaon India from 3-10-2007 to 21-06-2008
- Lecturer (CSE), in Doon Velly Engg. College Karnal India from 7-2-2005 to 30-09-2007
- Lecturer (CSE), in JIET, Jind from Jul 2004 to 10 January 2005
- Lecturer (CSE), in MMEC, Mullana from 16-09-2000 to 10-01-2003

Courses Taught in B. Tech.

- Software engineering
- Data Warehousing and Data Mining
- Artificial Intelligence
- Discrete Structure
- Analysis and design of algorithm
- Computer Graphics and Multimedia
- Database Management system
- Fundamental of computers
- Requirement estimation Technique
- Foundation of computer science
- Object oriented software engineering

Administrative Experience:

- **Head of Department** from August 2016 to December 2018
- **NBA Coordinator** from February 2015 to August 2017: IT department get NBA first time in September 2016 under my HOD and coordinator
- **IQAC coordinator** from December 2016 to August 2019
- Time Table Coordinator from 1-9-2021 to till date
- Web-Site Coordinator from 2013 to 2014
- IEEE Branch Counselor from March 2009 to December 2010
- Tech-Fest Coordinator in 2009
- Exam cell coordinator in 2009 and 2010
- Library coordinator from 2011 to 2016
- Software Coordinator in 2010
- Internet coordinator from September 2019 to November 2021

Lecturer (s) Delivered as a Resource Person

1. Participated in the International Conference on 4th DOCTORAL SYMPOSIUM ON COMPUTATIONAL INTELLIGENCE (DOSCI 2023) as session chairperson on 03-4 March 2023.
2. Key note speaker in IEEE 10th International Conference On Reliability, Infocom Technologies And Optimization (ICRITO'2022) (TRENDS AND FUTURE DIRECTIONS) held at Amity University, Noida on 14-10-2022
3. Chief Speaker in the conference conducted by TEFX (Technology Education and Future) held at Regional Science center, Dehradun on 10th September 2022.
4. Invited for guest lecture on the topic "Artificial Intelligence and its application" in BSM public school Kerala on 7-3-2022.
5. Dr. Suman Mann, Associate Professor, IT Department invited as keynote speaker in the 9th International conference on Reliability, Infocom Technologies and Optimization (ICRITO-2021) on the topic "Recent trends in Artificial Intelligence and Deep learning applications" in Amity University, Noida. on 3-9-2021.
6. Invited for guest lecture on the topic " Advancing pedagogical and digital skills in literature, language and linguistic " in BSM public school Kerala on 24- 9-2021
7. Invited for guest speaker on the topic "Precautions to be observed on re-opening of school " in BSM public school Kerala on 17- 02-2021.
8. Presented a paper on Reliability Engineering in National Level Seminar organized by NC College of Engg. Israna from March 30-31, 2007 at Panipat, India.
9. Presented a paper on multidimensional model through object oriented approach in National Level AICTE sponsored Seminar on artificial Intelligence organized by Dronacharya college of Engineering on 17-07-2009.

Research Projects:

S.N	Project Title	Total approved Amount	Scheme	Organization
1	Upgradation of existing Network Lab	Rs 3,64,250	Modernization and removal of obsolescence Scheme(MODROB)	All India council for Technical Education(AICTE)
2	Centre of Excellence Based on Internet of Things, Artificial Intelligence, and Machine Learning	20 Lakhs	In Process	Oil and Natural Gas Corporation Limited (ONGC)

Patent published/granted :

1. Suman Mann, Archana Balyan, Vinita Rohilla, V. Sonekar, R.Vaishav, Nitish Pathak, Harshita Chadha, Neelam Sharma, UnClog: A drone-based Traffic congestion Mitigation System(patent filed on 22-08-2021 and **granted on** 17-11-2021 application ID : 2021106405)

2. Deepshika Yadav, Suman Mann, Puneet Kumar, Neeraj Jain, Minakshi, Seema Shokeen, Pooja Singh, Khushboo, Dr. Amit Kumar Bindal, Dr. Neeraj Mangla, Mr. Zatin Gupta, A system & method for smart agriculture through IOT paraphernalia based on ML, (Patent filed on 4-4-2022 and published on 22.4.2022, Application number 202211020356)
3. Suman Mann, Archana Balyan, Deepshikha, Meena, Sparsh Sood, Shivam Karnwal, R. S. Latha, M. Suresh, M. Dhanapal, N. Rajasekaran, Wi-Fi based home automation system using Google assistance (Patent filed on 24-2-2021 and published on 26.2.2021, Application number 202111007809 A, the patent office journal no. 9/2021 dated 26/02/2021.
4. Suman Mann, Areca leaf Shredding machine (Patent filed on 24-2-2021 and published on 5.3.2021, Application number 202141007807 A, the patent office journal no. 10/2021 dated 5/3/2021.
5. Dr. N. Kumareshan, Dr. K. Punitha, Dr. Shaifali Madan Arora, Ms. Poonam Kadian, Ms. Anshul Pareek, Dr. C. Ramakrishnan, Dr. R. Karthick, Dr. R. Banamurugan, Dr. Hitesh Panchal, Dr. Suman Mann, Dr. K. Mahendran, Mr. Ragupathy Shanmuga Sundaram, A smart healthcare monitoring system using internet of things (Patent filed on 9-7-2021 and published on 16.7.2021, Application number 202141030807)

Research Publications

A. Research Papers Published in Journals

1. Sakshi Hooda, Suman Mann, "Distributed Synthetic Minority Oversampling Technique", International Journal of Computational Intelligence Systems, Volume 12, Issue 2, 2019, <https://dx.doi.org/10.2991/ijcis.d.190719.001.issn:18756891>, pp 929-936 **SCI IF-2.259**
2. Suman Mann, Nitish Pathak, Neelam Sharma, Raju Kumar, Rabins Porwal, Sheelesh Kr Sharma, Saw Mon Yee Aung, "Study of Energy-Efficient Optimization Techniques for High-Level Homogeneous Resource Management", Wireless Communications and Mobile Computing, vol. 2022, Article ID 1953510, 12 pages, 2022. <https://doi.org/10.1155/2022/1953510>, ISSN15308677 **SCIE IF-2.469**
3. Suman Mann, Archana Balyan, Vinita Rohilla, Deepa Gupta, Zatin Gupta, Abdul Wahab Rahmani, "Artificial Intelligence-based Blockchain Technology for Skin Cancer Investigation Complemented with Dietary Assessment and Recommendation using Correlation Analysis in Elder Individuals", Journal of Food Quality, vol. 2022, Article ID 3958596, 7 pages, 2022. <https://doi.org/10.1155/2022/3958596>, ISSN0146-9428 **SCI IF-3.3**
4. Yadav, D., Mann, S. & Balyan, A. Waste management model for COVID-19: recommendations for future threats. International Journal of Environmental Science Technology (2022). <https://doi.org/10.1007/s13762-022-04357-8>, vol 20, pp 6117-6130, ISSN 735-1472 **SCI IF-3.519**
5. Suman Mann, Amit Kumar Bindal, Archana Balyan, Vijay Shukla, Zatin Gupta, Vivek Tomar, Shahajan Miah, "Multiresolution-Based Singular Value Decomposition Approach for Breast Cancer Image Classification", BioMed Research International, vol. 2022, Article ID 6392206, 11 pages, 2022. <https://doi.org/10.1155/2022/6392206>, ISSN 2314-6141 **SCIE IF-3.246**
6. Ali, M.A.S.; Balasubramanian, K.; Krishnamoorthy, G.D.; Muthusamy, S.; Pandiyan, S.; Panchal, H.; Mann, S.; Thangaraj, K.; El-Attar, N.E.; Abualigah, L.; Abd Elminaam, D.S. Classification of Glaucoma Based on Elephant-Herding Optimization Algorithm and Deep

- Belief Network. *Electronics* **2022**, *11*, 1763. <https://doi.org/10.3390/electronics11111763>, pp1-18, **ISSN: 2079-9292, SCI IF-2.9**
7. Mohammed Rashad Baker, D. Lakshmi Padmaja, R. Puviarasi, Suman Mann, Jeidy Panduro-Ramirez, Mohit Tiwari, Issah Abubakari Samori, "Implementing Critical Machine Learning (ML) Approaches for Generating Robust Discriminative Neuroimaging Representations Using Structural Equation Model (SEM)", *Computational and Mathematical Methods in Medicine*, vol. 2022, Article ID 6501975, 12 pages, 2022. <https://doi.org/10.1155/2022/6501975>, ISSN7486718**SCIE IF-2.809**
 8. Mohammed El Hadi Attia, Saravanan Kaliyaperumal, Gunasekar Thangamuthu, Ilango Rengaraju, Suman Mann, Santha kumar Jayakumar, Suma Christal Mary Sundararajan, "Impact of water depth on thermal efficiency, exergy efficiency, and exergy losses of finned acrylic solar still: an experimental study", *Environment Science and Pollution Research* **29**, 21839–21850 (2021). <https://doi.org/10.1007/s11356-021-17400-x>, issn: 12554-12719 **SCIE IF-5.190**
 9. Sakshi Hooda, Suman Mann. Examining the Effectiveness of Machine Learning Algorithms as Classifiers for Predicting Disease Severity in Data Warehouse Environments. *Revista Argentina de Clínica Psicológica* 233 2020, Vol. XXIX, No4, 233-251 DOI: 10.24205/03276716.2020.824 , ISSN03276716, **SCI, Scopus IF-.594**
 10. Ajay Kumar Phogat, & Suman Mann. (2023), "Optimal Data Cube Computation In Serial Processing", *Journal of Population Therapeutics and Clinical Pharmacology*, 30(16), 221–228. <https://doi.org/10.47750/jptcp.2023.30.16.029>, ISSN 1710-6222 **ESCI**
 11. Meena Siwach, Suman Mann, "Anomaly detection for web log data analysis using weighted PCA technique", *Journal of information and optimization science*, <http://dx.doi.org/10.1080/02522667.2022.2037283>, issn:2169-0103,43(1),pp131-141 **ESCI**
 12. Suman Mann, Ajay Phogat. Dynamic construction of lattice of cuboids in data warehouse. *Journal of Statistics and Management Systems*.Vol 23, 971-982,0972-050, <https://doi.org/10.1080/09720510.2020.1799498>, ISSN: 0972-0510, 2020.**ESCI**
 13. P. Manojkumar, M. Suresh, Alim Al Ayub Ahmed, Hitesh Panchal, Christopher Asir Rajan, A. Dheepanchakkravarthy, A. Geetha, B. Gunapriya, Suman Mann & Kishor Kumar Sadasivuni (2021) , "A novel home automation distributed server management system using Internet of Things", *International Journal of Ambient Energy*, DOI: 10.1080/01430750.2021.1953590, pp 5478-5483,vol43, ISSN:0143-0750 **Scopus**
 14. Mann, S., Anand, M., Aggarwal, A., Wadhawan, K., & Jain, H. (2022)., "Time series forecasting for number of hospitalizations caused due to COVID-19 in the United Kingdom" *International Journal of Health Sciences*, 6(S2). <https://doi.org/10.53730/ijhs.v6nS2.8706> , pp14113–14124 ,**ISSN: 2550-6978, Scopus**
 15. Sakshi Hooda, Suman Mann. A focus on the ICU's Mortality prediction using a CNN-LSTM model. *International Journal of Psychosocial Rehabilitation*, <https://doi.org/10.37200/IJPR/V24I6/PR260812>, Vol 24(6), 8045-8050, issn: 1475-71922020. **Scopus**
 16. Vasu Negi, Suman Mann, Vivek Chauhan. Devanagari Character Recognition Using Artificial Neural Network. *International Journal of Engineering and Technology (IJET)*DOI:10.21817/ijet/2017/v9i3/1709030246, Vol 9 No 3 Jun-Jul 2017(Scopus) IF-.11 12.6,pp 2161-2167, ISSN-23198613 **Scopus**

17. Sakshi Hooda, Suman Mann, “Sepsis-Diagnosed Patients In-Hospital Mortality Prediction Using Machine Learning: The Use of Local Big Data-Driven Technique in the Emergency Department”, International journal of grid and distributed computing, Vol 13, 8045-8050,2020, <http://sersec.org/journals/index.php/IJGDC/article/view/21365>, ISSN: 2005-4262 **ESCI**
18. Ajay Phogat, Suman Mann, “Optimal Data Cube Materialization in Hyper Lattice Structure in Data Warehouse Environment”, The Journal of Algebraic Statistics, Vol. 13, No. 01./ 1309- 3452, pp 149-158 ,2022,**ESCI**
19. Meena Siwach, Suman Mann, Anomaly Detection for Web Log Data Analysis: A Review”, The Journal of Algebraic Statistics,Vol. 13, No. 01./ 1309- 3452, pp 129-148 **ESCI**
20. Sakshi Hooda, Suman Mann, “Review on Predicting disease severity-Learning algorithms as classifiers for data warehouse Environments” Information Technology in Industry, March 2021,vol 9(1), pp-1079-1084, <https://doi.org/10.17762/itii.v9i1.239>, issn: 2203-1731 **Scopus**
21. Pooja Singh, Seema Shokeen, Dr Suman Mann, “Strengthening of primary health care: Conceptual development of community health model for lower income group of Delhi & NCR”, The Journal of Algebraic Statistics,Vol. 13, No. 01./ 1309- 3452, pp 121-128 **ESCI**
22. Anjana Gosain, Suman Mann. Empirical validation of metrics for object oriented multidimensional model for data warehouse. International journal of system assurance engineering and management. 262-275(2014).vol-5, <https://doi.org/10.1007/s13198-013-0155-8>, ISSN: 09756809. **ESCI, Scopus**
23. Sakshi Hooda, Suman Mann, Imbalanced Data Learning With a Novel Ensemble Technique: Extrapolation-SMOTE SVM Bagging. International journal of grid and distributed computing. Vol 13(1), pp 1202-1207, 2020, <http://sersec.org/journals/index.php/IJGDC/article/view/21360>, ISSN: 2005-4262 **ESCI**
24. Meena Siwach, Suman Mann, “Issues and challenges in anomaly detection for web log data”, GIS Science Journal, 1302-1310/ DOI:20.18001.GSJ.2022.V9I6.22.39450
25. Suman Mann, Deepshikha Yadav, Aayush Kapoor, Sanchit, Utkarsh Porwal, “Mess Management using NFC Tags”, International Journal of Engineering Research and Applications”, Vol. 13, Issue 4, April 2023, pp. 42-46, DOI: 10.9790/9622-13044246, ISSN 2248-9622 (UGC care)
26. Rajnish Kumar, Laxmi Ahuja , Suman Mann , Sanmukh Kaur, Identification of influential nodes in social network: Graph Approach”, International journal of scientific research in engineering and management, Vol 7, Issue 8, 2023, pp 1-20, DOI: 10.55041/IJSREM25063, ISSN-2582-3930
27. Dhruv Rathee, Suman Mann, “Detection of E-Mail Phishing Attacks - using Machine Learning and Deep Learning”, International journal of computer application, pp1-7, ISSN-0975 – 8887
28. Meena Siwach, Suman Mann, Sarthak Jain, Jatin Rauthan, “Extractive Text Summarization Techniques- A Survey” International Research Journal of Engineering and Technology, vol 9, pp 589-593, 2395-0072
29. Suman Mann , Meena Siwach , Sagar Dalal , Shashi Kapoor Poonia “Land holding using Blockchain”, International Journal of Current Science Research and Review,ISSN: 2581-8341 pp164-169, vol 5,2022
30. Suman Mann, Harshit Chaudhary, Aryan khatri, Ritik Malik, Yatin Gupta (2022). A Peer-to-Peer File Storage System Using Blockchain and Interplanetary File System. International Journal of Current Science Research and Review, 5(2), 582-589, ISSN: 2581-8341
31. Suman Mann, Tanya Jain, Aakash Vyas. The Blockchain Revolution: Paradigm Shifts in Traditional Voting Practices. International Journal of Computer Applications (0975 – 8887) Volume 176 – No. 37, July 2020, pp 36-42.

32. Suman Mann, Bhuvnesh Mehra , Anshul Mangla, Shubham Runwal, Prateek Singhal, “Estimation of age groups using facial recognition features”, International Journal Of Engineering and Computer Science, ISSN:2319-7242 Volume 7 Issue 5, May 2018, Page No. 23945-23951
33. Suman Mann. Web Page Metrics: An Empirical Analysis to Improve the Quality of Web Page. International Journal of Innovative Technology and Exploring Engineering.Vol5,issue10, pp9-14,2016, 22783075
34. Akshay Chopra, Bhavya Chaudhary, Suman Mann. Analysis of Security Issues in VoIP. International Journal of Computer Applications (0975 – 8887) Volume 103 – No.8, October 2014, Doi: 10.5120/18092-9148, pp 9-12
35. Anjana Gosain, Suman Mann. Space and Time Analysis on the Lattice of Cuboid for Data Warehouse. International Journal of Computer Applications (0975 – 8887) Volume 77– No.3, September 2013,pp 47-52.
36. Gosain, A., Mann, S. Object Oriented Multidimensional Model for a Data Warehouse with Operators. International Journal of Database Theory and Application Vol. 3, No. 4, December,2010,pp 35-40, ISSN- 20054270
37. Manpreet Singh, Parvinder Singh, Suman. Conceptual Multidimensional Model. International Journal of Computer, Electrical, Automation, Control and Information Engineering Vol:1, No:12, 2007, pp 3841-3846
38. Mann, S., Gosain, A., Sangeeta Sabharwal, “OO Approach for Developing Conceptual Model for A Data Warehouse”, Delving – Journal of Technology and Engineering sciences, vol 1,2009, 0975-5829,pp79-82.
39. Anjana Gosain,Suman Mann,Naveen Dahiya, “Object Oriented multidimensional model for a data warehouse”, Journal of Management, computer science and journalism, 0974-7141, 2009
40. Suman Mann, “Survey of object oriented models for a data warehouse”, Satyam MSIT Journal of Research,2012

B) Research Papers Published in the Proceedings and Edited Books

1. Suman Mann,Deepshikha Yadav, Dhruv Rathee, “Identification of Racial propaganda in Tweets using Sentimental Analysis models: A comparative Study” 4th Doctoral Symposium on Computational Intelligence (DoSCI-2023)-An International Conference, Institute of Engineering and Technology 3-4 March 2023
2. Suman Mann, Shubham Aggarwal, Samarth Jain, Satyarth Jha, “A Machine Learning Approach to Predict Software Faults” 4th Doctoral Symposium on Computational Intelligence (DoSCI-2023)-An International Conference, Institute of Engineering and Technology 3-4 March 2023
3. Phogat, A.K., Mann, S. (2022). “Hyper Lattice Structure for Data Cube Computation. International Conference on data analytics and management” (ICDAM-2022) In: Khanna, A., Polkowski, Z., Castillo, O. (eds) Proceedings of Data Analytics and Management. Lecture Notes in Networks and Systems, vol 572. Springer, Singapore. https://doi.org/10.1007/978-981-19-7615-5_57 Springer, 25-26th June 2022Scopus
4. Meena Siwach, Suman Mann, Optimal Feature Selection of Web Log Data Using Optimization Techniques In: Khanna, A., Polkowski, Z., Castillo, O. (eds) Proceedings of Data Analytics and Management . Lecture Notes in Networks and Systems, vol 572. Springer, Singapore. https://doi.org/10.1007/978-981-19-7615-5_57 Springer, Scopus

5. D. Rathee and S. Mann, "Daltonizer: A CNN-based Framework for Monochromatic and Dichromatic Color-Blindness," *2022 4th International Conference on Artificial Intelligence and Speech Technology (AIST)*, Delhi, India, 2022, pp. 1-5, doi: 10.1109/AIST55798.2022.10065004.
6. Chittranjan Chandwani, Bhavay Malhotra, Pratham Agarwal, Suman Mann," Bitcoin Price prediction using machine learning and deep learning algorithms", 10th International conference on Reliability, infocom technologies and optimization (ICRITO-2021), Amity University, Noida, 13-14 October 2022 -IEEE, Scopus
7. Meena Siwach, Suman Mann, Deepa Gupta, "A practical implementation of Driver Drowsiness Detection using Facial Landmarks", 10th International conference on Reliability, infocom technologies and optimization (ICRITO-2022), Amity University, Noida, 13-14 October 2022-IEEE, Scopus
8. Ajay Phogat, Suman Mann, "Analysis of Materialization View Selection Approaches in Data Warehouse" 2nd International conference on advance computing and innovative technologies in Engineering, 28-29 April 2022, Galgotias College of Engineering & Technology -Scopus
9. D. Wadhwa, D. Gupta, V. Shukla, S. Mann and S. K. Jha, "Benefits of Incorporating IoT and Cloud Computing," *2022 10th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)*, 2022, pp. 1-4, doi: 10.1109/ICRITO56286.2022.9964950
10. Abinash Rath,Ayan Das Gupta,Vinita Rohilla, Archana Balyan, Suman Mann, "Intelligent Smart Waste Management Using Regression Analysis: An Empirical Study" Emerging Technologies in Computer Engineering: Cognitive Computing and Intelligent IoT. ICETCE 2022, February 4–5, 2022,Jaipur (Scopus)
11. Suman Mann, Jyoti Khurana, Mudita Bhatia, Ritika Sharma, Rewangi Taragi, "Twitter Sentiment Analysis using Enhanced BERT", 1st International conference on Intelligent systems and applications (ICISA-2022), May 4-6, 2022, Pune (Scopus)
12. Meena Siwach, Suman Mann, "Anomaly Detection for Web Log Based Data: A survey" IEEE Delcon2022, <https://doi.org/10.1109/DELCON54057.2022.9753130> 11-13Feb 2022
13. Hooda, S., Mann, S. (2023). Improve Quality of Data Management and Maintenance in Data Warehouse Systems. In: Pati, B., Panigrahi, C.R., Mohapatra, P., Li, KC. (eds) Proceedings of the 6th International Conference on Advance Computing and Intelligent Engineering. Lecture Notes in Networks and Systems, vol 428. Springer, Singapore. https://doi.org/10.1007/978-981-19-2225-1_60 Scopus
14. D. Gupta, S. K. Jha and S. Mann Maharaja Surajmal, "Internet Crimes-It's Analysis and Prevention Approaches," 2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO), 2021, pp. 1-4, doi: 10.1109/ICRITO51393.2021.9596396, 3-4 September 2021. Scopus
15. Dahiya, S., Gosain, A., Mann, S. (2021). Experimental Analysis of Fuzzy Clustering Algorithms. In: Satapathy, S., Zhang, YD., Bhateja, V., Majhi, R. (eds) Intelligent Data Engineering and Analytics. Advances in Intelligent Systems and Computing, vol 1177. Springer, Singapore. https://doi.org/10.1007/978-981-15-5679-1_29 Scopus, DBLP
16. Suman Mann, Meenu Siwach. Data Model Quality Metrics of Data Warehouse: A Survey International Conference on Innovative Computing & Communication (ICICC) 2020

17. Suman Mann, Yukti Arora, Shivani Anand. Smart Hospitals With the Use of 'Internet of Things' and Artificial Intelligence. International Conference on Innovative Computing & Communication (ICICC) 2020
18. Suman Mann, Ajay Phogat, A Survey on Quality Attributes for Data Warehouse Conceptual model 5th International Conference on "Computing for Sustainable Global Development" BVICAM-2018 14th -16th March 2018, pp 4994-4997.
19. Suman Mann, Sakshi Hooda, 'Data quality issues in phases of data warehousing' 4th International conference on computing for sustainable global development BVICAM-2017, pp 444-448. 01st - 03rd March, 2017
20. Suman Mann, Bhumika, Nikita Mallik title 'Validation of data warehouse multidimensional model' in national conference on Innovations in IT, Management & Education –Digital india initiative (IIMEDI-15), march 21, MSI, Delhi.
21. Anjana Gosain, Sunil Kumar Khatri, Suman Mann title 'Multidimensional modelling for data warehouse using object oriented approach' in International conference on Reliability, infocom technologies and optimization in association with Computer Society of India (CSI), IEEE, October 8-10, 2014, Amity University, Noida.
22. Suman Mann, Bharti, Parminder Singh title 'Empirical validation of multidimensional model for data warehouse' in International conference on Reliability, infocom technologies and optimization in association with Computer Society of India (CSI), IEEE, October 8-10, 2014, Amity University, Noida -IEEE
23. Suman Mann, Anjana Gosain, "Space and time analysis on the lattice of cuboid for data warehouse" International conference on optimization modelling and applications, University of Delhi, India Nov29-Dec1, 2012 IEEE
24. Anjana Gosain, Suman Mann title 'An object oriented multidimensional model for data warehouse' in International conference on software and computing technology (ICSCT 2011), Singapore, Dec 9-10. Scopus
25. Anjana Gosain, Suman Mann title 'Survey of Object oriented models for a data warehouse' International conference on Business and Information Technology: Contemporary Research and Development, IMT, Gaziabad, Feb 25-26 2010, pp140-150.
26. Sunanda Chowdhary, Vipin Sharma, A.B. Patki, Suman Mann title 'Fuzzy logic system for querying a database' in national conference on Computing for nation development (Indiacom-2010), BVP, delhi, feb25-26, pp 268-271.
27. Koyal Dutta Gupta, Suman Mann title 'Classification of Medical images using modified K-means Technique' in International conference on wireless networks and embedded system (Wecon-2008), 18th-19th oct, 2008, pp 491-493.
28. Suman Mann, Koyal Dutta Gupta title 'A comparison of two neural networks architectures for automatic text classification' in national conference on emerging trends in Information technology (NCEIT-2008), Baddi, sept 5-6, 2008.
29. Suman, Manpreet Singh, Basant Raj Singh title 'Data mining: Extraction the unextracted' in International conference on Information Technology, 19-21 march, 2007, Haldia Institute of Technology, Calcutta
30. Suman Mann, Sanjay Kumar, Bharti Nagpal title 'data mining and business intelligence in national conference on Computing for nation development (Indiacom-2007), BVP, Delhi feb23-24, pp 537-544.
31. Suman Mann, Preeti Aneja title 'Object data mining query language' in national conference on trends in computing, 18-19th may 2007 at SVIET Banur, Patiala .

32. Suman, Manpreet Singh title 'Data mining technique : Classification by online analytical processing' in national conference on Information and emerging technologies, sep7-8, 2007 at IET Bhaddal
33. Manpreet Singh, Basant Raj Singh, Suman Mann title 'Neural network and fuzzy logic applications in electronics' in national conference on recent advances in electronics and communication technology, GNDEC Ludhiana 9-10th nov, 2006, pp178-180
34. Manpreet Singh, Suman Mann, Basant Raj Singh title ' Genetic algorithm for electronics design' in national conference on recent advances in electronics and communication technology, 9-10th nov, 2006, pp158-161
35. Rath, A., Das Gupta, A., Rohilla, V., Balyan, A., Mann, S. (2022). Intelligent Smart Waste Management Using Regression Analysis: An Empirical Study. In: Balas, V.E., Sinha, G.R., Agarwal, B., Sharma, T.K., Dadheech, P., Mahrishi, M. (eds) Emerging Technologies in Computer Engineering: Cognitive Computing and Intelligent IoT. ICETCE 2022. Communications in Computer and Information Science, vol 1591. Springer, Cham. https://doi.org/10.1007/978-3-031-07012-9_12
36. Suman Mann, Deepa Gupta, Yukti Arora, Shivanka Priyanka Chugh, Akash Gupta, "Smart Hospitals Using Artificial Intelligence and Internet of Things for COVID-19 Pandemic" Smart Healthcare Monitoring Using IoT with 5G Challenges, Directions, and Future Predictions,2021 (1st ed.). CRC Press.
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38. Batra A., Sethi G.S., Mann S. (2019) Personalized Automation of Electrical and Electronic Devices Using Sensors and Artificial Intelligence—"The Intelligizer System". In: Verma N., Ghosh A. (eds) Computational Intelligence: Theories, Applications and Future Directions - Volume I. Advances in Intelligent Systems and Computing, vol 798. Springer, Singapore. https://doi.org/10.1007/978-981-13-1132-1_41
39. Dahiya S., Gosain A., Mann S. (2021) Experimental Analysis of Fuzzy Clustering Algorithms. In: Satapathy S., Zhang YD., Bhateja V., Majhi R. (eds) Intelligent Data Engineering and Analytics. Advances in Intelligent Systems and Computing, vol 1177. Springer, Singapore. https://doi.org/10.1007/978-981-15-5679-1_29

Books Published:

1. Seema Shokeen, Pooja Singh, Suman Mann, Information System Management (2018) published by I.K. International Publishing House Pvt. Ltd. ISBN: 9789384588823

Seminar/Workshop Organized

1. Coordinator in Conducting one week one week faculty development program on " Recent advancement in machine learning and artificial intelligence from 6-2-2023 to 10-2-2023 conducted by IT department, MSIT
2. Organized an International webinar on the topic "Amazon web service" on 15-3-2022.
3. Coordinator in Conducting workshop on Research Methods and Data Analysis using SPSS on 9th-10th Nov2012 at MSIT, Delhi, India.
4. Organised a lecture on effective IQAC implementation and functioning by Sunil Kumar Khatri on 25th August 2018.

5. Organised a lecture on Solar Cell Research an Indian Perspective by Mr. Vikram Kumar, NPL on 28th Feb 2018.
6. Member of Organizing team of AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Internet of Things (IoT) - A Practical Approach" from 06/12/2021 to 10/12/2021 at Maharaja Surajmal Institute of Technology.

WORKSHOPS/SEMINARS/FDP ATTENDED/Presented

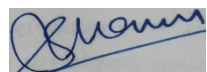
1. Attended One week short term training programme on 'Enterprise computing: latest trends and applications' from 18-6-2007 to 22-6-2007 conducted by NIT Kurukshetra, India
2. Attended two week faculty updating training on 'Advanced web technologies and business intelligence' from 1-12-2008 to 12-12-2008 conducted by C-DAC Hyderabad India
3. Faculty Development Program on Enabling the Guru organized by L&T Infotech, held on 30th and 31st Jan 2008 at Alwar, India.
4. Presented a paper on multidimensional model through object oriented approach in National Level AICTE sponsored Seminar on artificial Intelligence organized by Dronacharya college of Engineering on 17-07-2009.
5. Attended Seminar on Emerging Trends in Technical Education on 8th may 2010, at MSIT, Delhi, India.
6. Workshop on Data Mining-Research issues, Recent Trends & PASW Modeler 12.0 based implementation from 4th to 5th March 2011 at IGIT, Delhi, India.
7. Workshop on Research Methods and Data Analysis using SPSS on 9th-10th Nov2012 at MSIT, Delhi, India.
8. Faculty Development Program on Network Simulator in Banarsidas Chandiwala Institute of Information Technology on 18th August2012.
9. Workshop on Cloud Computing and its Components from 30th-31st October2013 at MSIT, Delhi, India.
10. Workshop on Implementation of BigData &Hadoop from 31st Oct-1st Nov14 at MSIT, Delhi, India.
11. Short Term Training Programme -"Institutional Accreditation (NBA Guidelines) and Quality Management from 11 -15 May, 2015 conducted by MIMIT, Malout (Punjab) India
12. FDP on "MATLAB and SCILAB through ICT" from NITTTR MHRD Chandigarh organized by M.S.I.T September 18 to 22 September 2017.
13. Workshop on "Wireless Network" NITTTR MHRD Chandigarh organized by M.S.I.T from May 22-May 26, 2017.
14. Seminar on "Advances in speech technology a way towards Intelligent Human Computer Interaction" organized by M.S.I.T from 27th -28th November,2017.
15. FDP on "Modeling and Simulation using Matlab through ICT" from NITTTR MHRD Chandigarh organized by M.S.I.T May 21st to 25th May 2018.
16. FDP on "Classroom Communication through ICT" from NITTTR MHRD Chandigarh organized by M.S.I.T May 28th to 1st June 2018.
17. FDP on "data science using R" from NITTTR MHRD Chandigarh organized by M.S.I.T from 26-11-2018 to 30-11-2018.
18. FDP on "Open source technologies through ICT" from NITTTR MHRD Chandigarh organized by M.S.I.T Dec3 to 7th Dec 2018.
19. FDP on "machine learning using Python" organized by M.S.I.T from 2-3-2020 to 6-3-2020.
20. FDP on "artificial Intelligence" AICTE training (ATAL) conducted by FICCI from 15-6-2020 to 19-6-2020.

21. FDP on Recent trends and research perspective on energy and power system conducted by PSN college of engineering and Technologies, Chennai from 31.5.2021 to 4.6.2021.
22. International webinar on “Exploring Realtime Technology” organized by Mohamed Sathak AJ college of Engineering on 31-05-2021.
23. Dr. Suman Mann attended the AICTE-ISTE approved Orientation/Refresher Programme on “Use of ICT in Engineering Education” organized by MSIT, Delhi held during 07 April, 2021 to 13 April, 2021.
24. Online AICTE Training program for mentors from 21-6-2021 to 25-06-2021 organized by NITTTR
25. Online FDP on “Inculcating universal human values in Technical Education” organized by AICTE from 2-8-2021 to 6-8-2021.
26. Attended AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “Internet of Things (IoT) - A Practical Approach" from 06/12/2021 to 10/12/2021 at Maharaja Surajmal Institute of Technology.
27. Attended 8 week Swayam course on topic “Introduction to machine learning” IIT Kharagpur from 25th July to 16th September 2022.
28. Attended 8 week Swayam course on topic “Accreditation of Undergraduate Engineering Programme” from 29th July to 30th September 2022
29. Attended one week faculty development program on “ Recent advancement in machine learning and artificial intelligence from 6-2-2023 to 10-2-2023 conducted by IT department, MSIT

30. Dr. Suman Mann participated in 5 Day Faculty Development Program on Cloud Practitioner (AWS) conducted by ICT Academy on 26 June 2023 to 01 Jul 2023 at Maharaja Surajmal Institute of Technology

MEMBERSHIP OF PROFESSIONAL BODIES:

- ISTE- Permanent Member



**Suman
Mann**