Faculty Profile

Faculty Name	**Prof. (Dr.) Suman Mann**
Designation	Professor
Qualification	Ph.D, M.Tech, B.Tech
Email	Sumanmann.cse@piet.co.in
Area of Interest	Data Warehousing, Artificial Intelligence, Machine Learning
Work Experience (Total)	**22+years**
• Teaching	**22+**
• Research	**NA**
• Industry	**NA**
• Others	**NA**
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	• Neural network and deep learning • Research Methodology • 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
Membership of Professional Bodies	ISTE
Research Publications	
• Research Papers UGC-CARE	3

• Research Papers SCOPUS	34
• Research Papers WoS/SCI/ABDC	9
• List of Publications	• **Suman Mann,** Deepshikha Yadav, Suresh Muthusamy, Dhruv Rathee & Om Prava Mishra, "A Novel Method for Prediction and Analysis of COVID 19 Transmission Using Machine Learning Based Time Series Models", Wireless Personal Communications https://doi.org/10.1007/s11277-023-10836-z **SCIE IF-2.017** • Deepshikha Yadav, Archana Balyan, Suman Mann, Aayush Ranga, "Enhancing Disease Detection Prediction Accuracy of Grape Leaves Using Vgg16 Model And Inception V3 Model", Proceedings on Engineering Sciences, **Scopus** • 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 **SCI IF-1.736** • 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 **SCI IF-3.519** • 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 **SCI, IF-2.690** • 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**

- **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 **SCIE, Scopus   IF-2.469**

- 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
  SCI, Scopus   IF-.594

- 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**

- **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**

- 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. ESCI

- 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, ISSN:0143-0750 **Scopus**

- **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 **Scopus**

- 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**

- 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 **Scopus**

- 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://sersc.org/journals/index.php/IJGDC/article/view/21365, ISSN: 2005-4262   **ESCI**

- Ajay Phogat, , "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 **ESCI**

- 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**

- 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**

- 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**

- 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). https://doi.org/10.1007/s13198-013-0155-8,ISSN: 09756809.
  ESCI, Scopus

- 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://sersc.org/journals/index.php/IJGDC/article/view/21360
  ESCI

- 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**

- 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 (UGC care)

- 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, DOI: 10.55041/IJSREM25063

- Dhruv Rathee, Suman Mann, "Detection of E-Mail Phishing Attacks - using Machine Learning and Deep Learning", International journal of computer application, pp1-7

- Meena Siwach, Suman Mann, Sarthak Jain, Jatin Rauthan, "Extractive Text Summarization Techniques- A Survey"

International Research Journal of Engineering and Technology, 2395-0072

- Suman Mann , Meena Siwach , Sagar Dalal , Shashi Kapoor Poonia "Land holding using Blockchain", International Journal of Current Science Research and Review, pp164-169

- 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

- 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

- 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

- 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

- 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.

- 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

- 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

- Manpreet Singh, Parvinder Singh, Suman. Conceptual

	Multidimensional Model. International Journal of Computer, Electrical, Automation, Control and Information Engineering Vol:1, No:12, 2007, pp 3828-38 • Mann, S., Gosain, A., Sangeeta Sabharwal, "OO Approach for Developing Conceptual Modelfor A Data Warehouse", Delving – Journal of Technology and Engineering sciences,2009, 0975-5829 • Anjana Gosain,Suman Mann,Naveen Dahiya, "Object Oriented multidimensional model for a data warehouse", Journal of Management, computer science and journalism, 0974-7141, 2009 • Suman Mann, "Survey of object-oriented models for a data warehouse", Satyam MSIT Journal of Research,2012
Book and Chapter Publications	
• Books Authored published by International Publishers	**1**
• Books Authored published by National Publishers	**0**
• Publication of Chapter in Edited Books	**2**
• Editor of Book by International Publishers	**0**
• Editor of Book	**0**

by National Publishers	
• Translation Work of Book	**0**
• List of Book and Chapter Publications	• Seema Shokeen, Pooja Singh, Suman Mann, Information System Management (2018) published by I.K. International Publishing House Pvt. Ltd. ISBN: 9789384588823
Patents	
• Published	**5**
• List of published patent(s)	• 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) • 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) • 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. • 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. • 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)
•	Filed	1
•	List of filed patent(s)	AI based health care observation system
PhD Guidance		
•	Degree Awarded	2
•	Thesis Submitted	1
M.Tech. Guidance		
•	Degree Awarded	0
•	Thesis Submitted	0
Research Project		
•	List of Research project	• Upgradation of existing Network Lab under Modernization and removal of obsolescence Scheme (MODROB) • Building awareness at School level and ITI, Polytechnic, Advanced Training Institutes (ATI)
Consultancy	**0**	
•	List of Consultancy	
Awards & Honours		
•	List of Awards & Honours	• Certificate of Honour as a valued peace Envoy by Satyug Darshan Trust on Gandhi Jayanti. • Life time Achievement award on 10-02-2024 in Educators conclave, Bharat Gyan Sama gam held at COER University. • Certificate of appreciation from IIT, BHU as a member of the college level jury at round-2 for meticulous evaluation of the participating teams, for next level participating at the Dark

	Patterns Buster Hackathon (DPBH-2023).
	- Excellence in Education Award on 22-12-2023 held at IIT Delhi. - Honour of Excellence certificate in international conference and phoenix award of excellence 2023 held at NDMC Centre, New Delhi on 25-12-2023. - Received Leadership Award on Magic Makers event held at Subharti University, Meerut on 19-11-2023. - Awarded excellence in Branch Counseling form IEEE Delhi Section for the year 2009 - 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 - 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. - Syllabus Designing Committee member at GGSIPU in 2022-2023 - 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 IEEEXtreme Programming Competition in year 2010
Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference	51
• International (Abroad)	1
• International (Within Country)	33
• National	7
• List of published papers	• Participated in the 1st International Conference on Electronics, Communication and Signal Processing (ICECSP 2024) as session chairperson on 8th – 10th August 2024 held at NIT Delhi. • Participated in the 5th International Conference on Data Analytics and Management (ICDAM-2024) as a Special Session on 14th – 15th June 2024. • Participated in the International Conference on 4th DOCTORAL SYMPOSIUM ON COMPUTATIONAL INTELLIGENCE (DOSCI 2023) as session chairperson on 03-4 March 2023. • 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 • Chief Speaker in the conference conducted by TEFX (Technology Education and Future) held at Regional Science center, Dehradun on 10th September 2022. • Invited for guest lecture on the topic "Artificial Intelligence and

its application" in BSM public school Kerala on 7-3-2022.

- 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.

- 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

- 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.

- 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.

- 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.

- Rajnish Kumar, Laxmi Ahuja, Suman Mann, Sanmukh Kaur, "Cyber Security– Descriptive Analysis", International Conference on Innovative Computing & Communication (ICICC) 2024, SSRN: https://ssrn.com/abstract=4935445 or http://dx.doi.org/10.2139/ssrn.4935445

- Suman Mann, Jyoti Prajapati, Deepshikha Yadav, Archana Balyan, "Customized content classification to profile and enhance social media user engagement in social media analytics", 2nd International conference on Artificial Intelligence and application ICAIA-2024), 19-20th March 2024.

- 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

- 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

- Phogat, A.K., Mann, S. (2022). Hyper Lattice Structure for Data Cube Computation. 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

- 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

- 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.

- 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

- 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

- 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

- 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

- Ajay Phogat, Suman Mann, "Hyper Lattice Structure for Data Cube Computation", 3rd International Conference on Data Analytics & Management (ICDAM-2022) The Karkonosze University of Applied Sciences, Jelenia Gora, Poland, Europe 25th - 26th June, 2022 (Scopus)

- Meena Siwach, Suman Mann, "Optimal Feature Selection of Web Log Data using Optimization Techniques", 3rd International Conference on Data Analytics & Management (ICDAM-2022) The Karkonosze University of Applied Sciences, Jelenia Gora, Poland, Europe 25th - 26th June, 2022 (Scopus)

- 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)

- 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)

- 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

- 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

- 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. Scopus

- 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

- Suman Mann, Meenu Siwach. Data Model Quality Metrics of Data Warehouse: A Survey International Conference on Innovative Computing & Communication (ICICC) 2020

- 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

- Suman Mann, Ajay Phogat, A Survey on Quality Attributes for Data Warehouse Conceptual model   5th International Conference on "Computing for Sustainable Global Development" BVICAM-201814th -16th March 2018,pp 4994-4997.

- Suman Mann, Sakshi Hooda, 'Data quality issues in phases of data warehousing' 4thInternational conference on computing for sustainable global development BVICAM-2017, pp 444-448. 01st - 03rd March, 2017

- Suman Mann, Bhumika, Nikita Mallik title 'Validation of data warehouse multidimensional model' in national conference on Innovations in IT, Management & Education –Digital india initiative (IIMEDII-15), march 21, MSI, Delhi.

- 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.
- 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
- 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
- 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
- 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.
- 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.
- 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.
- 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.
- 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

- 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.
- 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 .
- 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
- 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 9-10thy nov, 2006, pp178-180
- Manpreet Singh, Suman Mann, Basant Raj Singh title ' Genetic algorithm for electronics design' in national conference on recent advances in electronics and communication technology, 9-10thy nov, 2006, pp158-161
- 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
- Prashant R., Suman M., Eashwaran R. (2021) Efficient Data Cube Materialization. In: Hura G., Singh A., Siong Hoe L. (eds) Advances in Communication and Computational Technology. Lecture Notes in Electrical Engineering, vol 668. Springer, Singapore. https://doi.org/10.1007/978-981-15-5341-7_16

- 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
Organizing National Conference/ International Conference/ FDP/STTP	6
• List of Conference/FDP/STTP committee	• 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 • Organized an International webinar on the topic "Amazon web service" on 15-3-2022. • Coordinator in Conducting workshop on Research Methods and Data Analysis using SPSS on 9th-10th Nov2012 at MSIT, Delhi, India. • Organised a lecture on effective IQAC implementation and functioning by Sunil Kumar Khatri on 25th August 2018. • Organised a lecture on Solar Cell Research an Indian Perspective by Mr. Vikram Kumar, NPL on 28th Feb 2018. • 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.
Social Contributions and Sports	
• **List of Social Contributions and Sports**	Executive member of RWA Golflink Residency Society, sector 18B, Dwarka, Delhi