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PROFESSOR

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University of Maryland Eastern Shore
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EDUCATION

- Ph.D., 2013 **DEVI AHILYA UNIVERSITY**, Indore, India
Major: Management
Doctoral Dissertation: *“Design and Development of New Financial Decision Support Systems”*
- Ph.D., 1999 **CHAUDHARY CHARAN SINGH UNIVERSITY**, Meerut, India
Major: Operations Research
Doctoral Dissertation: *“Goal Programming and Its Applications”*
- M.S., 1993 **UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE**, NC, USA
MAJOR: COMPUTER SCIENCE
- M.S., 1988 **UNIVERSITY OF MEERUT**, Meerut, India
MAJOR: MATHEMATICS
- B.S., 1985 **MAHARSHI DAYANAND UNIVERSITY**, Rohtak, India
MAJOR: MATHEMATICS

EMPLOYMENT HISTORY

- 2014 – Present **UNIVERSITY OF MARYLAND EASTERN SHORE**, Princess Anne, MD, USA
Professor/ Business Management & Accounting
- 2013 – 2014 **FAYETTEVILLE STATE UNIVERSITY**, Fayetteville, NC, USA
Professor/ Management
- 1996 – 2013 **UNIVERSITY OF MARYLAND EASTERN SHORE**, Princess Anne, MD, USA
2006 – 2013 *Professor / Business Management & Accounting*
2002 – 2006 *Associate Professor / Business Management & Accounting*
1999 – 2002 *Assistant Professor / Business Management & Accounting*
1996 – 1999 *Visiting Lecturer/Instructor*
- 1993 – 1996 **JOHNSON C. SMITH UNIVERSITY**, Charlotte, NC, USA
Instructor

HONORS:

- Best Paper Awards
 - International Conference on Advancements in Interdisciplinary Research and Development, Sharda University (January 2024).
 - Institute of Global Business Research Conference, Hosted Online (2023).
 - International Conference on Innovations in Management, Science and Technology, University of Science and Technology Meghalaya (August 2022).
 - International Conference on Interdisciplinary Research in Applied Mathematics, Management and Technology, Online (May 2022).
 - Institute of Global Business Research Conference, Hosted Online (2020).
 - Annual Conference on Globalization and Competitiveness in Business and Technology, Virginia Beach, Virginia (2018).
 - Institute of Global Business Research Conference, New Orleans, Louisiana (2018)
 - Allied Academies International Conference, New Orleans, Louisiana (2016)
 - International Conference on Advances in Management & Decision Sciences, Gautam Buddha University (2015).
 - International Conference on Global Issues in Business & Technology, Virginia (2014).
 - Allied Academies International Conference, Distinguished Research Award, Louisiana (2012).
 - International Conference on Global Issues in Business & Technology, Faridabad (2008)
 - Global Digital Business Association Conference, Fairfax, Virginia (2007).
 - Allied Academies International Conference, Jacksonville, Florida (2007).
 - International Applied Business Research Conference, San Juan, Puerto Rico (2004).
 - Western Decision Sciences Institute's Conference, Island of Kauai, Hawaii (2003).
 - International Business & Economics Research Conference, Las Vegas, Nevada (2002).
 - Southeast Decision Sciences Institute's Conference, Hilton Head Island, SC (2002).
 - Northeast Decision Sciences Institute's Conference, Pittsburgh, Pennsylvania (2001).
- Who's Who in America (2006).
- Who's Who Among America's Teachers (2002 & 2004).
- Inducted into Beta Gamma Sigma, a National Honor Society (2011).
- Inducted into Sigma Beta Delta, a National Honor Society (1997).
- Sigma Beta Delta – President (UMES Chapter- Honor Society).

PROFESSIONAL ORGANIZATION MEMBERSHIP

Decision Sciences Institute - Member.

Modern Technology & Management Institute – Member.

Acta Ciencia Indica - Life Member.

Operational Research Society of India - Life Member.

PROFESSIONAL SERVICE

Strategic Plan Technology Infrastructure Taskforce – Member, 2013 – Present.

Academic Strategic Task Force Committee – Member, 2013 – Present.

Emeritus Recommendation Committee – Member, 2008 – 2009 & 2016- Present.

Research Council Committee – Member, 2007 – Present.

International Student Scholarship Committee – Member, 2007 – Present.

Sigma Beta Delta Executive Council – President, 2003 – 2011.

Faculty Recruitment Committee – Member, 2008 – 2020 & Present (Chair, 2003– 2008 & 2017).

OTHER SERVICES

Paper Reviewer

- International Journal of Effective Management
- Omega - International Journal of Management Science (UK)
- Computers & Operations Research
- AMSE Review (France)
- International Journal of Logistics (UK)
- Decision Sciences Institute
- International Journal of Production Economics

Session/Conference/ Program Chair

- Global Issues in Business & Technology Annual Conference – Program or Conference Chair, 2008 - Present.
- MTMI Annual Conference, Session Chair, 2008-2024.
- Decision Sciences Institute Annual Meeting, Session Chair, 2013-2023.

Journal Editor/ Editorial Board

- Review of Business & Technology Research – Editor-in-Chief, 2008-Present.
- Journal of Global Information Technology - Editor-in-Chief, 2005-Present.
- Global Digital Business Review- Editor, 2006-2010.
- International Journal of Effective Management - Editorial Board, 2004-Present.

COURSES TAUGHT IN VARIOUS UNIVERSITIES

University of Maryland Eastern Shore

BUED 212	Computer Applications I
BUAD 213	Computer Applications II
BUAD 388	Advanced Computer Application Techniques
BUAD 252	Calculus with Business and Management Applications
BUAD 305	Business Analytics I
BUAD 353	Business Statistics I
BUAD 354	Business Statistics II
BUAD 405	Business Analytics II
BUAD 410	Production and Operations Management
BUAD 411	Operations Research & Decision Theory
BUAD 490	Senior Seminar in Business
BUAD 491	Research Methods in Business
FINA 340	Financial Management
FINA 341	Investment & Security Analysis

Fayetteville State University

BADM 216	Statistics for Business and Economics I
BADM 530	Principles of Business Statistics
MGMT 325	Quantitative Methods for Business
MGMT 340	Project Management
MGMT 421	Quality Management
MGMT 610	Management Science

Johnson C. Smith University

CSC 131	Computer Concepts
CSC 132	Qbasic
CSC 132	Pascal
CSC 231	C Programming I
CSC 232	C Programming II
MTH 131	Basic Mathematics I
MTH 132	Basic Mathematics II
MTH 137	Precalculus

RESEARCH PROPOSALS/GRANTS *(Last Five Years)*

- Sharma, Dinesh K. (Principal Investigator), Zhu, Weiwei and Zhang, Lei “Catalytic Learning Model (CLM) based on Student-Centered Active Learning Environment in an Upside-down Pedagogies (SCALE-UP),” A Competitive Grant Proposal of \$470,467, Funded by US Department of Education, October 2020-September 2024.
- Sharma, Dinesh K. (Principal Investigator), Zhu, Weiwei and Zhang, Lei “STEM Game and Project Based Learning (SGPBL) Program,” A Competitive Grant Proposal of \$428,098, Funded by US Department of Education, October 2016-September 2021.

PUBLICATIONS [Refereed Journal Articles] (Last Five Years)

- Sharma, N., Jain, M. and Sharma, Dinesh K. (2024), "Collaboration Policy for Two-Echelon Green Industrial Supply Chain with Carbon Emissions Using Particle Swarm Optimization," *National Academy Science*, Vol. 47, 691–695 (2024). <https://doi.org/10.1007/s40009-023-01368-y>
- Yadav, S.K., Vishwakarma, G.K. & Sharma, D.K. (2024), "A computational strategy for estimation of mean using optimal imputation in presence of missing observation," *Scientific Reports*, Vol. 14, 6433 (2024). <https://doi.org/10.1038/s41598-024-57264-y>
- Ghosh, I, Jana, R., and Sharma, Dinesh K. (2024), "A novel granular decomposition based predictive modeling framework for cryptocurrencies' prices forecasting," *China Finance Review International*, Vol. x, No. x, pp. x-x. <https://doi.org/10.1108/CFRI-03-2023-0072>
- Sharma, Dinesh K., Hota, H.S., and Rababaah, A. (2024), "Forecasting US stock price using hybrid of wavelet transforms and adaptive neuro fuzzy inference system," *International Journal of System Assurance Engineering and Management*, Vol. 15, No. (2), pp. 591–608
- Jana, R.K., Sharma, Dinesh K., Mitra, S.K., and Chakraborty, B. (2024), "Routing decisions for Buddhist pilgrimage: an elitist genetic algorithm approach," *International Journal of System Assurance Engineering and Management*, Vol. 15, No. (2), pp. 609–620.
- Sharma, Dinesh K., Singh, K., and Singh, S. (2023), "Picture Fuzzy Knowledge Measure with Application to MADM," *International Journal of Mathematical, Engineering and Management Sciences*, Vol. 8, No. 4, pp. 650–671.
- Sharma, D.K., Chaudhuri, B., Chattopadhyay, M., and Jana, R.K. (2023), "Distance function embedded genetic algorithm for maximizing the group efficacy measure of performance of machine-part cells," *Soft Computing* (2023). <https://doi.org/10.1007/s00500-023-08632-9>
- Yadav, S.K., Sharma, Dinesh K., and Sharma, H. (2023), "Use of Known Population Median of Study Variable for Elevated Estimation of Population Mean," *International Journal of Applied Management Science*, Vol. 15, No. 1, pp. 28–41.
- Hota, H.S., Sharma, Dinesh K., and Verma, N. (2023), "COVID-19: Machine Learning Methods Applied for Twitter Sentiment Analysis of Indians Before, During and After Lockdown," *International Journal of Computing Science and Mathematics*, Vol. 17, No. 1, pp. 95–105.
- Hota, H.S., Sharma, Dinesh K., and Verma, N. (2023), "Integration of Deep Learning Techniques for Sentiment and Emotion Analysis of Social Media Data," *International Journal of Intelligent Systems Technologies and Applications*, Vol. 2, No. 1, pp. 1-10.

- Sharma, Dinesh K., Singh, S., and Ganie, A. (2023), "Correlation coefficients in T-spherical fuzzy environment using statistical viewpoint and their applications," *International Journal of Operational Research*, Vol. 47, No. 3, pp. 384–411.
- Yadav, S.K., and Sharma, Dinesh K. (2023), "Introducing New Optimal Class of Searls Estimators of Population Mean Using Powered Auxiliary Parameters," *International Journal of Operational Research*, forthcoming.
- Yadav, S.K., Sharma, Dinesh K., Brown, K., and Baghel, S. (2023), "A Remedy for Enhanced Estimation of Population Mean using Exponential Ratio-cum-Product type estimator under Non-Response," *International Journal of Operational Research*, Vol. 46, No. 4, pp. 550–570.
- Sharma, N., Jain, M. and Sharma, Dinesh K. (2022), "An Overview of Artificial Intelligence and Nature Inspired Optimization in Combating Covid-19 Epidemic," *Global Review of Business and Technology*, Vol. 2, No. 2, pp. 11–22.
- Yadav, S.K., Sharma, Dinesh K., Yadav, A. and Kumar, S. (2022), "Optimal Searls estimation of population variance under a systematic sampling scheme: a simulation study," *International Journal of Computing Science and Mathematics*, Vol. 16, No. 3, pp. 239–251.
- Sharma, Dinesh K., Hota, H.S., and Awasthi, V. (2022), "An Integrated K-means-GP Approach for US Stock Fund Diversification and its Impact due to COVID-19," *International Journal of Computational Economics and Econometrics*, Vol. 12, No. 4, pp. 381–404.
- Yadav, S.K., Sharma, Dinesh K., and Dube, M. (2022), "Modified Exponential Family for Improved Searls Estimation of Finite Population Mean," *International Journal of Computing Science and Mathematics*, Vol. 16, No. 2, pp. 149–158.
- Jana, R., Sharma, Dinesh K., and Mehta, P. (2022), "A probabilistic fuzzy goal programming model for managing the supply of emergency relief materials," *Annals of Operations Research*, Vol. 319, No. 1, pp. 149–172.
- Sharma, Dinesh K., Hota, H.S., Brown, K., and Handa, R. (2022), "Integration of Genetic Algorithm with Artificial Neural Network for Stock Market Forecasting," *International Journal of System Assurance Engineering and Management*, Vol. 13, No. S2, pp. S828–S841.
- Sharma, Dinesh K. and Yadav, S.K. (2022), "Optimal Generalized Searls Estimation Procedure of Population Mean under Ranked Set Sampling Scheme," *International Journal of Mathematics in Operational Research*, Vol. 21, No. 3, pp. 305–320.
- Yadav, S.K., Sharma, Dinesh K., and Brown, K. (2022), "Estimating Peppermint Oil Yields with Auxiliary Variable Information," *International Journal of Operational Research*, Vol. 44, No. 1, pp. 122–139.
- Yadav, D.K., Sharma, Dinesh K., and Yadav, S.K. (2022), "A new generalized median based estimator of the finite population mean," *International Journal of Operational Research*, Vol. 43, No. 4, pp. 498–511.

- Yadav, S.K., Sharma, Dinesh K., and Dube, M. (2022), "A Simulation Approach to Modified Searls Estimation of Population Mean Under Two-Phase Random Sampling," *International Journal of Mathematics in Operational Research*, Vol. 22, No. 2, pp. 235–251.
- Sharma, Dinesh K., Singh, S. and Ganie, A. (2022), "Distance-Based Knowledge Measure of Hesitant Fuzzy Linguistic Term Set With Its Application in MultiCriteria Decision Making," *International Journal of Fuzzy System Applications*, Vol. 11, No. 1, pp. 1–20.
- Yadav, S.K., Sharma, Dinesh K., and Alade, J. (2022), "Computation of Improved Searls Estimation of Population Variance Using Robust Auxiliary Parameters," *Recent Advances in Computer Science and Communications*, Vol. 15, No. 5, pp. 700–713.
- Hota, H.S., Sharma, Dinesh K., and Shrivastava, A. (2022), "An Integrated Approach of Proposed Pruning Based Feature Selection Technique (PBFST) for Phishing E-mail Detection," *Recent Advances in Computer Science and Communications*, Vol. 15, No. 5, pp. 683–692.
- Jana, R., Sharma, Dinesh K., and Mitra, S.K. (2022), "Routing and collection load decisions in a green logistics system for delivering lunch boxes," *International Journal of Quality and Reliability Management*, Vol. 39, No. 3, pp. 762–776.
- Sharma, Dinesh K., Yadav, S.K., and Sharma, H. (2022), "Improvement in Estimation of Population Variance utilizing Known Auxiliary Parameters for Decision Making," *International Journal of Mathematical Modelling and Numerical Optimisation*, Vol. 12, No. 1, pp. 15–28.
- Yadav, S.K., Sharma, Dinesh K., and Baghel, S. (2021), "Upgraded Family of Estimators of Population Mean using Known Parameters of Auxiliary and Study Variables," *International Journal of Mathematical Modelling and Numerical Optimisation*, Vol. 11, No. 3, pp. 252–274.
- Sharma, Dinesh K., Yadav, S.K., and Sharma, H. (2021), "Advanced Class for Variance Estimation Utilizing Known Quartiles of the Auxiliary Variable," *International Journal of Applied Management Science*, Vol. 13, No. 3, pp. 226–239.
- Yadav, S.K., Sharma, Dinesh K., Alade, A. and Shukla, A. (2021), "Naive Regression Growth Models for Prediction of Peppermint Yield Production," *Journal of Reliability and Statistical Studies*, Vol. 14, No. 2, pp. 451–470.
- Peer, S.K., Sharma, Dinesh K., Chakraborty, B., and Jana, R.K. (2021), "A shortest path problem in a stochastic network with exponential travel time," *International Journal of Applied Management Science*, Vol. 13, No. 3, pp. 179–199.
- Yadav, S.K., Sharma, Dinesh K., and Brown, K. (2021), "New Class of Estimators for Enhanced Estimation of Average Production of Peppermint Yield Utilizing Known Auxiliary Variable," *International Journal of Mathematics in Operational Research*, Vol. 20, No. 2, pp. 281–295.

- Yadav, S.K., Sharma, Dinesh K., and Mishra, S.S. (2021), "New Modified Ratio Type Estimator of Population Mean Using Known Median of Study Variable," *International Journal of Operational Research*, Vol. 41, No. 2, pp. 151–167.
- Yadav, S.K., Kadilar, Cem, and Sharma, Dinesh K. (2021), "New Family of Estimators for Population Mean Using Regression-Cum-Ratio Exponential Estimators," *International Journal of Mathematics in Operational Research*, Vol. 18, No. 1, pp. 85–114.
- Chaudhuri, B., Jana, R.K., Sharma, Dinesh K., and Dan, P.K. (2020), "A Hybrid Genetic-Goal Programming Approach for Improving Group Performance in Cell Formation Problems," *International Journal of Advanced Operations Management*, Vol. 12, No. 4, pp. 377-395.
- Yadav, S.K., Sharma, Dinesh K., and Brown, K. (2020), "New Class of Estimators of the Population Mean Using the Known Population Median of the Study Variable," *International Journal of Mathematics in Operational Research*, Vol. 16, No. 2, pp. 179–201.
- Yadav, S.K., Sharma, Dinesh K., and Brown, K. (2019), "New Exponential Ratio type Estimators of Population Mean under Simple Random Sampling," *International Journal of Business and Data Analytics*, Vol.1, No.2, pp.111 - 123.
- Chaudhuri, B., Jana, R.K., Sharma, Dinesh K., and Dan, P.K. (2019), "A Goal Programming Embedded Genetic Algorithm for Multi-objective Manufacturing Cell Design," *International Journal of Applied Decision Sciences*, Vol. 12, No. 1, pp. 98–114.

REFEREED BOOK CHAPTERS (Last Five Years)

- Sivasamy, R., Sharma, D.K., Sediakgotla, Mokgweetsi, B. (2024), "Machine Learning Algorithmic Model for Pairs Trading," In: Sharma, D.K., Hota, H.S., Rasheed Rababaah, A. (eds) Machine Learning for Real World Applications. Transactions on Computer Systems and Networks. Springer, Singapore. https://doi.org/10.1007/978-981-97-1900-6_5
- Singh, S., Taruna, T. and Sharma, D.K. (2023), "Identifying the antecedents and outcomes of happiness at work: A Review," *HR Analytics in an Era of Rapid Automation*, IGI Global, pp. 144-154. Available at: <https://www.igi-global.com/chapter/identifying-the-antecedents-and-outcomes-of-happiness-at-work/327752> (Accessed: 10 September 2023).
- Sharma, Dinesh K., Singh, S., and Lalotra, S (2023), "Generalized knowledge measure based on hesitant fuzzy sets with application to MCDM," Taylor and Francis. Available at: <https://www.taylorfrancis.com/chapters/edit/10.1201/9781003386599-3/generalized-knowledge-measure-based-hesitant-fuzzy-sets-application-mcdm-dinesh-sharma-surender-singh-sumita-lalotra> (Accessed: 10 September 2023).
- Sampath, M., Sharma, Dinesh K., and Gaur, A. (2023), *Retrial queueing system subject to differentiated vacations with impatient customers*, Taylor and Francis. <https://www.taylorfrancis.com/chapters/edit/10.1201/9781003386599-7/retrial-queueing-system-subject-differentiated-vacations-impatient-customers-suranga-sampath-dinesh-sharma-avinash-gaur?context=ubx&refId=4c7cfeeb-087f-43b0-84ac-e6dea85551a9>
- Sivasamy, R., Sharma, D.K., Setlhare, K. (2022). Markov Decision Processes of a Two-Tier Supply Chain Inventory System. In: Sharma, D.K., Jain, M. (eds) *Data Analytics and*

Artificial Intelligence for Inventory and Supply Chain Management. Inventory Optimization. Springer, Singapore. https://doi.org/10.1007/978-981-19-6337-7_1

- Jain, M., Sharma, D.K., Sharma, N. (2022). Artificial Intelligence Computing and Nature-Inspired Optimization Techniques for Effective Supply Chain Management. In: Sharma, D.K., Jain, M. (eds) Data Analytics and Artificial Intelligence for Inventory and Supply Chain Management. Inventory Optimization. Springer, Singapore. https://doi.org/10.1007/978-981-19-6337-7_4
- Bhattacharjee, N., Sen, N., Sharma, D.K. (2022). Decarbonisation Through Production of Rhino Bricks From the Waste Plastics: EPQ Model. In: Sharma, D.K., Jain, M. (eds) Data Analytics and Artificial Intelligence for Inventory and Supply Chain Management. Inventory Optimization. Springer, Singapore. https://doi.org/10.1007/978-981-19-6337-7_9
- Hota, H.S., Sharma, Dinesh K. and Honda, R. (2021), “Lexicon-based sentiment analysis using Twitter data: a case of COVID-19 outbreak in India and abroad,” Data Science for COVID-19, Vol. 1, pp. 275-295.

REFEREED CONFERENCE PROCEEDINGS/PRESENTATIONS *(Last Five Years)*

- Sharma, Dinesh K., Yadav, S.K. and Alade, J.A., “Forecasting Dengue Outbreaks in India across Indian Provinces: A Time Series and Machine Learning Approach,” Paper presented at the 2024 MTMI the International Conference on Emerging Issues in Business, Technology and Applied Sciences, Hotel Holiday Inn Express Dubai Airport, Dubai, UAE, December 20-22, 2024.
- Rababaah, A., Sharma, Dinesh K., Yadav, S.K. and Hota, H.S., “Integration of Signal Processing Techniques and Neural Network for Gulf Cooperation Council Stock Market Forecasting,” Paper presented at the 2024 MTMI the International Conference on Emerging Issues in Business, Technology and Applied Sciences, Hotel Holiday Inn Express Dubai Airport, Dubai, UAE, December 20-22, 2024.
- Sharma, N., Jain, M. and Sharma, Dinesh K., “Demand Forecasting in Two Warehouse Supply Chain Utilizing Intelligence Computing,” Paper presented at the International Conference on Emerging Trends in Business Analytics & Management Sciences, 57th Annual Convention of Operational Research Society of India (ORSI-2024) IIT Bombay, Mumbai, India, December 12-14, 2024.
- Sharma, Dinesh K., Verma, M.K., Yadav, S.K., Varshney, R. and Bundela, O.S., “An Effective Strategy for Elevating Population Mean Estimation using Linear and Non-Linear Cost Functions in Stratified Sampling,” Paper presented at the 55th Annual Meeting of the Decision Sciences Institute, Phoenix, AZ, November 23-25, 2024.
- Sharma, Dinesh K., Diwan, T. and Diwan, P., “IoT Application Security System (IASS): A Robust Framework for Ensuring Mutual Authentication, Confidentiality, and Integrity in IoT Devices,” Paper presented at the International Conference on Advancements in Interdisciplinary Research and Development 2024 (ICAIRD2024), January 22-23, Greater Noida, India, 2024.
- Diwan, T. and Sharma, Dinesh K., “Blockchain Technology to Enhance Data Security and Privacy in Internet of Things,” Paper presented at the International Conference on

Advancements in Interdisciplinary Research and Development 2024 (ICAIRD2024), January 22-23, Greater Noida, India, 2024. **(Best Paper Award)**

- Sharma, Rakesh K., Hota, R. and Sharma, Dinesh K., “Machine Learning Approach to Detect Real Time Anomalies in Cloud Environment,” Paper presented at the International Conference on Advancements in Interdisciplinary Research and Development 2024 (ICAIRD2024), January 22-23, Greater Noida, India, 2024.
- Sharma, Dinesh K., Diwan, T. and Diwan, P., “Enhancing IoT Cyber Security: A Machine Learning-Driven Identification Model for Vulnerability Assessment,” Paper presented at the 2024 JNVU-ABVU-AIMT International Conference on Innovative Research in Science, Management and Technology (ICIRSMT), January 5–7, Jodhpur, India, 2024.
- Sivasamy, R. and Sharma, Dinesh K., “A Hidden Markov Model to Investigate Consumer Brand Switching Behavior,” Paper presented at the 2024 JNVU-ABVU-AIMT International Conference on Innovative Research in Science, Management and Technology (ICIRSMT), January 5–7, Jodhpur, India, 2024.
- Sharma, N., Jain, M. and Sharma, Dinesh K., “ANFIS and Metaheuristic Optimization for Green Supply Chain with Inspection and Rework,” Paper presented at the 2024 JNVU-ABVU-AIMT International Conference on Innovative Research in Science, Management and Technology (ICIRSMT), January 5–7, Jodhpur, India, 2024.
- Peer, S.K. and Sharma, Dinesh K., “Design of Expert System Using Machine Learning Techniques for Portfolio Management Problem,” Paper presented at the 2024 JNVU-ABVU-AIMT International Conference on Innovative Research in Science, Management and Technology (ICIRSMT), January 5–7, Jodhpur, India, 2024.
- Sharma, Dinesh K., Shukla, A., Khan, S., and Yadav, S.K., and Taruna, T. “Machine Learning Models for Predicting Age of Hens at Optimal Production of Eggs,” Paper presented at the 2023 Annual Meeting of the Decision Sciences Institute, Atlanta, GA, November 18-23, 2023.
- Sharma, Dinesh K. and Diwan, Tarun, and Tiwari, A. “Heart Disease Prediction Using Feature Selection and Classification Models, Paper presented at the 2023 Annual Meeting of the Decision Sciences Institute, Atlanta, GA, November 18-23, 2023.
- Brown, Willie, Sharma, Dinesh K., and et al., “A Peer-to-Peer Guide on Academic Transformation in Research-to-Practice of STEM Learners that Promote Project Accessibility for Community Impact,” Paper presented at 2023 *IEEE Frontiers in Education Conference (FIE)*, College Station, TX, USA, 2023, pp. 1-5, doi: 10.1109/FIE58773.2023.10343008.
- Sharma, N., Jain, M. and Sharma, Dinesh K., “Differential Evolution Algorithm for Multi-Item Supply Chain Model with Advance Payment and Sales Effort Dependent Demand,” Paper presented at the FORS50 Conference on Operations Research (OR) at the University of Jyväskylä, Finland, September 23-24, 2024.
- Yadav, S.K., Sharma, Dinesh K., and Akhter, Yusuf “A comparison of statistical techniques and machine learning approaches for prediction of monkeypox Incidences,” Paper presented at the 2023 CDLU-AIMT International conference on Innovations in Science, Management and Technology, August 17-18, 2023.

- Sharma, Dinesh K., Diwan, T. and Sharma, R., “PAAS Cloud Computing Technique for Developing a System for Safe Resource Usage and Load Balancing,” Paper presented at the Academy of Business Research Summer 2023 Conference August 2-4 Boston, MA, 2023.
- Sharma, Dinesh K., Diwan, T. and Tiwari, A., “Machine Learning Methods for GPS Spoofing Detection and Mitigation Techniques Analysis,” Paper presented at the Institute of Global Business Research Conference, Hosted Online, July 24-31, 2023. (**Distinguished Research Award**)
- Sivasamy, R and Sharma, Dinesh K., “A machine-learned Markov model to estimate state transition rates for acquired immunodeficiency syndrome and mortality,” Paper presented at the 2023 SGGVS-AIMT International conference on Advancement in Science, Management, Technology, Social Science and Humanities, April 29-30, 2023.
- Sharma, Dinesh K., Yadav, S.K., and Taruna, T. “Optimal Strategy in Decision Making for the Estimation of Population Variance Using Auxiliary Parameters,” Paper presented at the 2022 Annual Meeting of the Decision Sciences Institute, Houston, TX, November 19-21, 2022.
- Brown, W., Dabipi, I., Sharma, Dinesh and others, "Integrating Support Vector Machine Models into the Engineering Lifecycle Design Roadmap Process for Innovative Practices using Project Based Learning," 2022 IEEE Frontiers in Education Conference (FIE), Uppsala, Sweden, 2022, pp. 1-9, doi: 10.1109/FIE56618.2022.9962439.
- Brown, W., Dabipi, I., Sharma, Dinesh and others, "Research-to-Practice for Peer-to-Peer Learning in Engineering Education using Ensemble Methods to Deploy a Lifecycle Design Roadmap," 2022 IEEE Frontiers in Education Conference (FIE), Uppsala, Sweden, 2022, pp. 1-9, doi: 10.1109/FIE56618.2022.9962413.
- Yadav, S.K. and Sharma, Dinesh K., “Prediction Of Infectious Disease Spread Using Statistical Modeling,” Paper presented at the 2022 USTM-AIMT International Conference on Innovations in Management, Science and Technology (ICIMST), University of Science and Technology Meghalaya, August 5-6, 2022.
- Sharma, N., Jain, M. and Sharma, Dinesh K., “Differential Evolution Algorithm For Multi-Item Supply Chain Model With Advance Payment And Sales Effort Dependent Demand,” Paper presented at the 2022 USTM-AIMT International Conference on Innovations in Management, Science and Technology (ICIMST), University of Science and Technology Meghalaya, August 5-6, 2022. (**Best Paper Award**)
- Yadav, S.K. and Sharma, Dinesh K., “New Imputation Method for Elevated Estimation of Population Mean,” Paper presented at the 2022 AIMT-GBU International Conference on Interdisciplinary Research in Applied Mathematics, Management and Technology (IRAMMT), Virtual, May 26-27, 2022. (**Best Paper Award**)
- Sharma, Dinesh K., Yadav, S.K., Doley, P. and Kumar, S. “A New General Searls Estimation Procedure of Population Mean of Primary Variable,” Paper presented at the 2021 Annual Meeting of the Decision Sciences Institute, Hosted Online, November 20-22, 2021.

- Sharma, Dinesh K., Sharma, H., Hota, H. and Handa, R., “Impact of COVID-19 on Prediction of Indian Stock Market using ANN and LSTM Techniques,” Paper presented at the Institute of Global Business Research Conference, LINQ Hotel, Las Vegas, Nevada, October 21-22, 2021.
- Sharma, Dinesh K., Singh, S. and Ganie, A., “On a Metric-Based Knowledge Measure of Hesitant Fuzzy Linguistic Term Set,” Paper presented at the 2021 AIMT Conference (Virtual) on Interdisciplinary Research in Applied Mathematics, Management and Technology (IRAMMT), June 20-21, 2021.
- Zhang, L., Sharma, Dinesh K., Brown, W. and Dabipi, I., “Applying the Game-Based-Learning Pedagogy in Electrical Engineering Education with a Virtual Reality Sci-Fi Game Module,” Paper presented at the 2021 AIMT Conference (Virtual) on Interdisciplinary Research in Applied Mathematics, Management and Technology (IRAMMT), June 20-21, 2021.
- Riley, T., Sharma, Dinesh K., Tan, X., Zhang, L. and Brown, W., “The Practice of Project Based Learning in Engineering Education by Applying Convolutional Neural Network in Vegetation Species Identification,” Paper presented at the 2021 AIMT Conference (Virtual) on Interdisciplinary Research in Applied Mathematics, Management and Technology (IRAMMT) June 20-21, 2021.
- Sharma, Dinesh K., Hoa, H.S., Awasthi, V. “An Integrated K-means-GP Approach for US Stock Fund Diversification,” Paper presented at the 2020 Annual Meeting of the Decision Sciences Institute, Hosted Online, November 20-23, 2020.
- Yadav, S.K., Sharma, Dinesh K., Alade, J. and Shukla, A. “Comparison of Suggested and Competing Regression Growth Models for Peppermint Production,” Paper presented at the 2020 Annual Meeting of the Decision Sciences Institute, Hosted Online, November 20-23, 2020.
- Brown, W., Sharma, Dinesh K., Dabipi, I., Zhang, L. and Zhu, W. “The Implementation of Decision Tree Classification Methods in Engineering and Aviation Sciences to Examine the Design and Safety Performances using Project Based Learning,” Paper presented at the 2020 Annual Meeting of the Decision Sciences Institute, Hosted Online, November 20-23, 2020.
- Sharma, H., Sharma, Dinesh K., and Hota, H.S., “Prediction Of Asian Countries Foreign Exchange Rate – A Time Delay Neural Network Approach,” Paper presented at the Institute of Global Business Research Conference, Hosted Online, October 7-9, 2020. **(Distinguished Research Award)**
- Yadav, D. and Sharma, Dinesh K., “A Generalized Ratio Type Estimator for Estimating Finite Population Mean using Median of the Study Variable under Predictive Modeling Approach,” Paper presented at the 2019 MTMI International Conference on Emerging Issues in Business, Technology and Applied Sciences, Amity Institute of Higher Education, Mauritius, December 20 –22, 2019.
- Sharma, Dinesh K., Brown, K. Yadav, S.K., “Elevated Exponential Ratio-cum-Product type estimator for Population Mean under Non-Response Error,” Paper presented at the Recent Trends in Mathematical, Physical and Computational Sciences (ICRTMPCS-2019), Dr. Harisingh Gour University, India, December 12-14, 2019.

- Sharma, Dinesh K., Yadav, S.K. and Sharma, H., “Application of Auxiliary Variable Parameters for Enhanced Estimation of Population Variance for Business Decisions,” Paper presented at the 2019 Annual Meeting of the Decision Sciences Institute, New Orleans, Louisiana, November 23-25, 2019.
- Yadav, S.K., Sharma, Dinesh K. and Brown, Kate “Use of Auxiliary Variable for Efficient Estimation of Average Production of Peppermint Yield,” Paper presented at the 2019 Annual Meeting of the Decision Sciences Institute, New Orleans, Louisiana, November 23-25, 2019.
- Yadav, D. and Sharma, Dinesh K., “Estimation of Finite Population Mean using Linear Combination of Tri-Mean and Quartile Average of Auxiliary Variable under Predictive Modeling Approach,” Paper presented at the 2019 MTMI International Conference on Globalization and Competitiveness in Business and Technology, Avanti Palms Resort and Conference Center, Orlando, Florida, September 20 –22, 2019.

WORKSHOPS AND PROFESSIONAL DEVELOPMENT *(Last Five Years)*

- Attended a Virtual Flipped Learning Workshops, July 10-14, 2023.
- Attended MSEIP Flipped Learning Workshops, UMES, July 11-15, 2022.
- Attended MSEIP Flipped Learning Workshops, UMES, June 21-25, 2021.
- Attended Game and Project-based Learning and ePortfolio Workshops, UMES, June 24-28, 2019.

CONFERENCES ATTENDED *(Last Five Years)*

- The 2024 MTMI the International Conference on Emerging Issues in Business, Technology and Applied Sciences, Hotel Holiday Inn Express Dubai Airport, Dubai, UAE, December 20-22, 2024.
- The 55th Annual Meeting of the Decision Sciences Institute, Phoenix, AZ, November 23-25, 2024.
- The International Conference on Advancements in Interdisciplinary Research and Development 2024 (ICAIRD2024), January 22-23, Greater Noida, India, 2024.
- The 2024 JNVU-ABVU-AIMT International Conference on Innovative Research in Science, Management and Technology (ICIRSMT), January 5–7, Jodhpur, India, 2024.
- The 2023 Annual Meeting of the Decision Sciences Institute, Atlanta, GA, November 18-23, 2023.
- The Academy of Business Research Summer 2023 Conference August 2-4 Boston, MA, 2023.
- The Institute of Global Business Research Conference, Hosted Online, July 24-31, 2023.

- The 2023 SGGVS-AIMT International conference on Advancement in Science, Management, Technology, Social Science and Humanities, April 29-30, 2023.
- The 2022 USTM-AIMT International Conference on Innovations in Management, Science and Technology (ICIMST), University of Science and Technology Meghalaya, August 5-6, 2022.
- The 2022 AIMT-GBU International Conference on Interdisciplinary Research in Applied Mathematics, Management and Technology (IRAMMT), Virtual, May 26-27, 2022.
- The 2021 Annual Meeting of the Decision Sciences Institute, Online, November 20-22, 2021.
- The Institute of Global Business Research Conference, LINQ Hotel, Las Vegas, Nevada, October 21-22, 2021.
- The 2021 AIMT Conference (Virtual) on Interdisciplinary Research in Applied Mathematics, Management and Technology (IRAMMT), June 20-21, 2021.
- The 2020 Annual Meeting of the Decision Sciences Institute, Online, November 20-23, 2020.
- The 2020 MTMI International Conference on Emerging Issues in Business, Technology and Online, September 11 –12, 2020.
- The 2019 MTMI International Conference on Emerging Issues in Business, Technology and Applied Sciences, Amity Institute of Higher Education, Mauritius, December 20 –22, 2019.
- The 2019 Annual Meeting of the Decision Sciences Institute, New Orleans, Louisiana, November 23-25, 2019.
- The 2019 MTMI International Conference on Globalization and Competitiveness in Business and Technology, Avanti Palms Resort and Conference Center, Orlando, Florida, September 20 –22, 2019.

REFERENCES

Available Upon Request