



Contact Details

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Educational Qualification

Year	Degree/Program	Board University
2013	Ph.D.	Maulana Azad National Institute of Technology, Bhopal
2002	M.E.	College of Engineering, Badnera, Amravati University(M.S)
1995	B.E.	College of Engineering, Badnera, Amravati University(M.S)

Teaching Experience

Organization	Start Date	End Date	Designation	Nature of Work
Maulana Azad National Institute of Technology Bhopal, Madhya Pradesh	21 Dec 23	Till date	Associate Prof.	Teaching & Research
Maulana Azad National Institute of Technology Bhopal, Madhya Pradesh	July 2005	20 Dec 23	Assistant Professor	Teaching & Research
Oriental Institute of Science & Technology, Bhopal (M.P.)	July 2002	June 2005	Lecturer & Sr. Lecturer	Teaching & Administration
Barkatullah University, Bhopal(M.P.)	Jan 2000	June 2002	Lecturer	Teaching
College of Engineering, Badnera, Amravati University. (M.S.)	Oct 1997	Dec 1999	Lecturer	Teaching
B.N College of Engineering, Pusad (M.S.)	July 1995	Sept.1997	Lecturer	Teaching

Ph.D. Supervised/Ongoing

Name of the Student	Topic	Year of Award	Co-Supervisor (if any)
Priyank Jain	Improved Input-Output Privacy Mechanism for Big Data	2019	Dr. Nilay Khare
Shweta Saxena	Machine Learning Models for Computer-Aided Cancer diagnosis Using Histopathological Data	2021	Nil
Anjana Deen	Improved machine Learning Models for Protein Function Prediction From Amino acid Sequence	2021	Nil
Arvind Kumar	Design & Development of approaches for reducing the data complexity issues associated with real world problems	Ongoing	Dr. Sanyam Shukla
Sowkarthika B	Efficient Data Complexity based machine learning for Real World problems	Ongoing	Dr. Rajesh Wadhvani
Abhishek Jadhav	Attention Based Computational Models for Medical Image segmentation	Ongoing	Dr. Akhtar Rasool (Supervisor)
Bhavna Swarnkar	Early Diagnosis of Gynecological Cancers using Machine Learning	Ongoing	Dr. Nilay Khare
Debangana Ram	Towards Smart Farming for diseases prediction using Federated Learning	On-going	Dr. Akhtar Rasool
Saima Hasib	Post Quantum Cryptographic Approach for Secure& Scalable Data Access	On-going	Dr. Akhtar Rasool (Supervisor)
Vandana Malviya (PT)	Machine Learning	On-going	Dr. Rajesh Wadhvani

Preeti Sharma Nair(PT)	Machine Learning	On-going	Dr. Sanyam Shukla
Tanveer Fatema Khan	Deep Learning based Image Restoration for Multiplicative Speckle Noise	On-going	Dr. Ramesh Thakur
Prashant Maravi(PT)		On-going	Dr. Rajesh Wadhvani (Supervisor)

Patents			
Title	Year	Agency	Published/Granted
A Method for Enhanced Encryption in HADOOP Based Distributed Cluster	3 Nov 2021	Australian Government, IP Australia	Granted
A smart Agriculture System and Method Integrated With IOT Devices	19 March 2021	Ministry of Commerce and Industry, Govt. of India	Published
System & Method of Detecting & regulating Parameters in a Green House Environment	7 Nov 2020	Ministry of Commerce and Industry, Govt. of India	Granted

Research Projects:

Title	Sponsoring Agency	Duration	Amount	Status (Submitted/Granted)
Improved Privacy Preserving Algorithm of Big Data for Madhya Pradesh State Election Commision (MP-SEC)	M.P. Council Of Science & Technology, Bhopal (M.P)	24 Months	5.01 L	Completed
A Machine Learning Model for Computer-aided Cancer Diagnosis Using Histopathological Data.	AIIMS, Bhopal	6 months	-----	Completed
Development & Validation of Pharmacogenetic Clinical Decision Support Application	In collaboration with AIIMS Bhopal under the Intramural Grant Scheme of AIIMS Bhopal.	One Year	3,89,000/-	Granted-Dec 24

Publications
Journal Papers 1. Jain Priyank, Manasi Gyanchandani, and Nilay Khare. "Big data privacy: a technological perspective and review." Journal of Big Data Vol 3, ISSN 21961115,1-25, 2016 (SCIE) 2. Jain Priyank, Manasi Gyanchandani, and Nilay Khare. "Differential privacy: its technological prescriptive using big data." Journal of Big Data, Vol 5, issue 1, ISSN 21961115 (2018): 1-24. (SCIE) 3. Jain Priyank, Manasi Gyanchandani, and Nilay Khare. "Enhanced secured map reduce layer for big data privacy and security." Journal of Big Data Vol 6, issue 1, ISSN21961115 (2019): 1-17. (SCIE) 4. Deen Anjna J., and Manasi Gyanchandani. "Improved machine learning using adaptive boosting algorithm in membrane protein prediction." International Journal of Innovative Technology and Exploring Engineering 8.12 (2019): 3131-3137. (Scopus) ISSN 22783075 5. Bauskar S., Jain P., Gyanchandani M., A Noninvasive Computerized Technique to Detect Anemia Using Images of Eye Conjunctiva, Pattern Recognition and Image Analysis, Vol 29, pp 438-446, ISSN 10546618(SCOPUS),2019 6. Jain Prakhar, Shubham Bauskar, and Manasi Gyanchandani. "Neural network based non invasive method to detect anemia from images of eye conjunctiva." International Journal of

- Imaging Systems and Technology, Vol 30, No.1 (2020): 112-125. (Wiley) (SCIE), ISSN 8999457
7. Saxena Shweta, Sanyam Shukla, and Manasi Gyanchandani. "Pre-trained convolutional neural networks as feature extractors for diagnosis of breast cancer using histopathology." International Journal of Imaging Systems and Technology, Vol 30, issue 3, ISSN 8999457, 577-591. 2020, (Wiley) SCIE
 8. Saxena Shweta, and Manasi Gyanchandani. "Machine learning methods for computer-aided breast cancer diagnosis using histopathology: a narrative review." Journal of medical imaging and radiation sciences, vol 51, no. 1, ISSN: 19398654, (2020): 182-193. (Scopus)
 9. Jain Priyank, Manasi Gyanchandani, and Nilay Khare. "Improved k-anonymize and l-diverse approach for privacy preserving big data publishing using MPSEC dataset." Computing and Informatics, vol 39, issue 3 (2020): 537-567. (SCIE) ISSN 13359150
 10. Deen Anjna Jayant, and Manasi Gyanchandani. "Pseudo amino acid feature-based protein function prediction using support vector machine and k-nearest neighbors." International Journal of Advanced Computer Science and Applications, Vol 11, No. 9 (2020). (Scopus) pp 187-195, ISSN 2158107X
 11. Saxena Shweta, Sanyam Shukla, and Manasi Gyanchandani. "Breast cancer histopathology image classification using kernelized weighted extreme learning machine." International Journal of Imaging Systems and Technology, vol 31, issue 1 (2021): 168-179. (Wiley) (SCIE) ISSN 8999457
 12. Sowkarthika B., Gyanchandani, M., Wadhvani, R., & Shukla, S. (2023). Data complexity-based dynamic ensembling of SVMs in classification. Expert Systems with Applications, Vol. 216, 119437. (SCIE), ISSN 9574174
 13. Jadhav Abhishek, Akhtar Rasool, and Manasi Gyanchandani. "Quantum Machine Learning: Scope for real-world problems." Procedia Computer Science 218 (2023): 2612-2625. International Conference on Machine Learning and Data Engineering (Scopus) ISSN 1877-0509
 14. Mh Asif Kamal, Manasi Gyanchandani, & Anil Kumar Kushwah, "A novel time series data clustering approach for wind speed forecasting", Wind Engineering, Vol 46 Pg : 1281-1290 ISSN: 0309-524X, 2022
 15. Priyank Jain, Manasi Gyanchandani, Nilay Khare, Dharendra Pratap Singh, Lokini Rajesh, "A Survey on Big Data privacy using Hadoop Architecture" International journal of computer science and network security vol. 17 no.2. 2017.
 16. Priyank Jain, Manasi Gyanchandani, Nilay Khare, "A Survey on Security and Privacy Concerns in Healthcare Big Data", International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR), Special Issue, Nov 2016, 101-120.
 17. Sanyam Shukla, Rajesh Wadhvani, Jyoti Bharti, Manasi Gyanchandani, "Voting based Extreme Learning Machine with search based Ensemble Pruning", International Journal of Computer Science and Network Security (IJCNS), VOL.17 No.3, February 2017.
 18. Manasi Gyanchandani, R. N. Yadav, J. L. Rana, "Effect of Knowledge Representations on Performance of Classification Algorithms", CIIT International Journal of Data Mining & Knowledge Engg, Sept. 2010.
 19. Manasi Gyanchandani, R. N. Yadav, J. L. Rana, "Intrusion Detection using C4.5: Performance Enhancement of Classifier Combination", ACEEE International Journal on Signal & Image Processing, 2010
 20. Manasi Gyanchandani, R. N. Yadav, J. L. Rana, "Taxonomy of Anomaly Based Intrusion Detection System: A Review", International Journal of Scientific and Research Publications, Dec 2012
 21. Manasi Gyanchandani, R. N. Yadav, J. L. Rana, "Search for Optimized Cost matrix for Performance Enhancement of Anomaly based Intrusion detection system using Cost Sensitive

- Classifier”, The International Journal of Computational Science, Information Technology and Control Engineering (IJCSITCE), July 2014
22. Divya Srivastava, Rajesh Wadhvani, Manasi Gyanchandani A Review: Color Feature Extraction Methods for Content Based Image Retrieval, IJ of Computation Engg. & Mangt. Vol. 18, Issue 3 May 15
 23. Nitesh Pradhan, Manasi Gyanchandani, Rajesh Wadhvani, “A Review on Text Similarity Technique used in IR and its Application”, International Journal of Computer Applications, Volume 120 – No.9, June 2015
 24. Tarang Kumar, Manasi Gyanchandani, Rajesh Wadhvani,” Android Malware Analysis: A Survey” International Journal of Control, Automation, Communication and Systems (IJACS), Vol.1, No.1, July 2015
 25. Jeripothula Prudviraj, Rajesh Wadhvani, Manasi Gyanchandani, “Content-based Image Retrieval using Conflation of Wavelet Transformation and CIECAM02 Color Histogram”, International Journal of Computer Applications Vol 126, No. 5, Sept. 2015
 26. A. Kumar, S. Shukla and M. Gyanchandani, “A Novel Nonparallel Hyperplane Based Extreme Learning Machine for Classification”, IEEE Access, vol. 13, pp. 110268-110288, June 2025, doi: 10.1109/ACCESS.2025.3577160. (SCI-E Q2)
 27. A. Jadhav, A. Rasool and M. Gyanchandani, "Atrous Convolution-Based Fusion Attention Mechanism for Brain Tumour Segmentation," in IEEE Access, vol. 13, pp. 92611-92621, May 2025, doi: 10.1109/ACCESS.2025.3563494. (SCI-E Q2)
 28. B Sowkarthika, Gyanchandani Manasi, Wadhvani, R. et al, “Data complexity measures for classification of a multi-concept dataset”, Multimedia Tools Appl **84**, 571–602, April 2025(Scopus Q1)
 29. B. Swarnkar, N. Khare and M. Gyanchandani, "Systematic Review of Deep Learning Techniques for Gynecological Cancer Diagnosis," in IEEE Access, vol. 13, pp. 154754-154774, 2025, doi: 10.1109/ACCESS.2025.3603458. (SCI-E Q2)
 30. Batchala, R., Jain, P., Gyanchandani, M. , Sanyam Shukla, Rajesh Wadhvani,” Enhance differential privacy mechanisms for clinical data analysis using CNNs and reinforcement learning” . J Big Data 12, 178 (2025). <https://doi.org/10.1186/s40537-025-01215-5>

Conference

31. Patidar, V. K., Wadhvani, R., Shukla, S., Gupta, M., & Gyanchandani, M. (2023, February). Quantile Regression Comprehensive in Machine Learning: A Review. In 2023 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS) (pp. 1-6), Bhopal India IEEE,18-19 Feb 2023 (SCOPUS) ISBN979-835039874-8
32. Choudhary, R., Kashyap, J.K., Shukla, S., Gyanchandani, M., “Feature Selection in Under bagging Based Kernel ELM for Handling Class Imbalance Dataset Classification”, Workshop on Control and Embedded Systems, 22 - 24 April, 2022 WCES 2022; Virtual, Online; India, Volume 3314, Pages 23-30, CEUR Workshop Proceedings. ISSN 16130073
33. Patel, V., Shukla, S., Gyanchandani, M. , “Analysis of Different Loss Function for Designing Custom CNN for Traffic Sign Recognition”, Workshop on Intelligent Systems, 22-24 April 2022; WINS 2022; Virtual, Online; India; Volume 3269, 2022, Pages 31-38, CEUR Workshop Proceedings. ISSN: 16130073
34. Panday, V., Wadhvani, R., Gyanchandani, M. “Selective Review on Adaptive Normalization Techniques”, Workshop on Intelligent Systems, 22 - 24 April 2022 WINS 2022; Virtual, Online; India; 22, Volume 3269, 2022, Pages 51-59, CEUR Workshop Proceedings, ISSN: 16130073

35. Pushkar, A., Gupta, M., Wadhvani, R., & Gyanchandani, M. (2022, June). A comparative study on change-point detection methods in time series data. In 2022 2nd International Conference on Intelligent Technologies (CONIT), 24-26 June 2022 (pp. 1-7). IEEE,, ISBN: 978-166548407-7
36. Patel, V., Shukla, S., Shrivastava, S., & Gyanchandani, M. (2022, March). Regularized CNN for Traffic Sign Recognition. 1st IEEE International Conference on Smart Technologies and Systems for Next Generation Computing, 25- 26 March 2022, ICSTSN 2022 , Villupuram; India; (pp. 1-5). IEEE.ISBN: 978-166542111-9
37. Khare, P., Wadhvani, R., Gyanchandani, M., & Brahma, B. (2022). Generating Data for Real World Time Series Application with GRU-Based Conditional GAN. 2nd International Conference on Data Science and Applications, 10- 11 April 2021,ICDSA 2021; Virtual, Online; ;;, Volume 2 (pp. 335-349). Springer Singapore.Lecture Notes in Networks and Systems Volume 287, 2022, Pages 335-349, ISSN: 23673370 ISBN: 978-981165347-6
38. Joshi, Mayank, Manasi Gyanchandani, and Rajesh Wadhvani. "Analysis Of Genetic Algorithm, Particle Swarm Optimization and Simulated Annealing On Benchmark Functions." 2021 5th International Conference on Computing Methodologies and Communication, 8 – 10 April 2021, IEEE, 2021., , Pages 1152-1157 ISBN: 978-166540360-3
39. Deen Anjna Jayant, and Manasi Gyanchandani. "Machine learning classifiers based on predicting membrane protein using decision tree and random forest." 2020 Fourth International Conference on Inventive Systems and Control (ICISC) 8 -10 January 2020. IEEE, 2020, ISBN: 978-172812813-9
40. Deen Anjna Jayant, and Manasi Gyanchandani. "Sequence based Prediction of Membrane Protein Types using Machine Learning methods.", International Conference on IoT based Control Networks and Intelligent Systems (ICICNIS 2020), 10-11, December 2020 (2020). Pp 839-847, Kottayam, Kerala, India on., 2367-3370
41. Deen Anjna Jayant, and Manasi Gyanchandani. "Machine learning kernel methods for protein function prediction." 2019 International Conference on Smart Systems and Inventive Technology (ICSSIT). IEEE, 2019., 2nd International Conference on Smart Systems and Inventive Technology, 27-29 November 2019ICSSIT 2019; Tirunelveli; India, ISBN: 978-172812119-2
42. Uikey Ritumbhara, and Manasi Gyanchandani. "Survey on classification techniques applied to intrusion detection system and its comparative analysis", 4th International Conference on Communication and Electronics Systems, 17-19 July 2019,ICCES 2019; Coimbatore; India; Pages 1451-1456, ISBN: 978-172811261-9
43. Suman, Akshay Kumar, and Manasi Gyanchandani, "Improved Performance of Hive Using Index-Based Operation on Big Data" , 2018 Second International Conference on Intelligent Computing and Control Systems (ICICCS). IEEE, 2018., 2nd International Conference on Intelligent Computing and Control Systems, 14-15 June 2018, ICICCS 2018; Vaigai College of Engineering (VCE)Madurai; India, Pages 1974-1978, ISBN: 978-153862842-3
44. Kumar, Atul, and Manasi Gyanchandani. "A comparative survey on privacy preservation and privacy measuring techniques in data publishing." 2018 Second International Conference on Intelligent Computing and Control Systems (ICICCS). IEEE, 2018,2nd International Conference on Intelligent Computing and Control Systems, 14-15 June 2018 ICICCS 2018; Vaigai College of Engineering (VCE)Madurai; India,7 March 2019, Article number 8663126, Pages 1902-1906 ISBN: 978-153862842-3
45. Suman, Akshay Kumar, Manasi Gyanchandani, and Priyank Jain. "A survey on miscellaneous attacks in Hadoop framework." 2018 2nd International Conference on Inventive Systems and Control (ICISC), 19 - 20 January 2018. IEEE, 2018, 2nd International Conference on Inventive Systems and Control, ICISC 2018; JCT College of Engineering and Technology

- Coimbatore; India; 19 January 2018 through 20 January 2018, 27 June 2018, Pages 1043-1048, ISBN: 978-153860807-4
46. O. P. Kurmi, M. Gyanchandani, N. Khare and A. Pillania, "Classification of Amyotrophic Lateral Sclerosis Patients using speech signals," 2023 Third International Conference on Secure Cyber Computing and Communication (ICSCCC), Jalandhar, India, 26-28 May 2023, pp. 172-177, doi: 10.1109/ICSCCC58608.2023.10176797.
 47. O. P. Kurmi, M. Gyanchandani, N. Khare and A. Pillania," Comparative Analysis on classification efficiency of Deep Learning Models on Amyotrophic Lateral Sclerosis Patients using speech signals", 11th International Conference on Contemporary Engineering & Technology,1-2 May 2023, Chennai India
 48. Akhil, V., Wadhvani, R., Gyanchandani, M., &Kushwah, A. K. (2021). Clustering-Based Hybrid Approach for Wind Speed Forecasting. In Proceedings of Data Analytics and Management: , International Conference on Data Analytics and Management - 2021 ICDAM 2021, 26 june 2021 Volume 1 (pp. 587-598). ISSN: 978-981-16-6288-1
 49. Shali, Y., Brahma, B.,Wadhvani, R., & Gyanchandani, M. (2020, July). Attention LSTM for Time Series Forecasting of Financial Time Series Data. In International Conference on Internet of Things and Connected Technologies IIT Patna 03-05 July 2020 (pp. 74-84). Cham: Springer International Publishing. Chapter & conference paper Book : Published in: Internet of Things and Connected Technologies, Publisher: Springer International Publishing ISSN 2194-5357
 50. Kumar A., Gyanchandani M., Jain P. "A comparative review of privacy preservation techniques in data publishing", Proceedings of the 2nd International Conference on Inventive Systems and Control, ICISC 2018, Coimbatore; India; 19- 20 January 2018, pp 1027-1035,ISBN: 978-153860807-4
 51. Vaishali Shrivastava, Manasi Gyanchandani, "A Review Paper On Pre And Post Accident Detection And Alert System: An IOT Application For Complete Safety Of The Vehicles", International Conference on Electrical, Electronics, Communication, Computer, and Optimization Techniques (ICEECOT), Mysuru,14-15 Dec 2018
 52. Malpani, V., Shukla, S., Gyanchandani, M., Shrivastava, S. (2023). Customized CNN for Traffic Sign Recognition Using Keras Pre-Trained Models", International Conference on Innovative Computing and Communications. ICICC 17-18 Feb 2023, Delhi India, Lecture Notes in Networks and Systems, vol 537. Springer, Singapore. ISBN 978-981-99-3009-8
 53. Naveen Saini, Manasi Gyanchandani, Debangana Ram, "Multi-Headed CNN and Vision Transformer-Based Diabetic Retinopathy Classification", 14th International Conference on Computing, Communication and Networking Technologies (ICCCNT), July 6th - 8th, 2023 at IIT - Delhi, Delhi, India, IEEE.
 54. Priyank Jain, Manasi Gyanchandani, Nilay Khare, "A Survey on Security and Privacy Concerns in Healthcare Big Data", International Conference on Recent Innovations in Engineering and Technology ICRIET-2K16, Odisha, India pp. 1-20, 2016.
 55. Priyank Jain, Manasi Gyanchandani, Nilay Khare, "Big Data Security and Privacy: New Proposed Model of Big Data with Secured MR layer", 5th International Doctoral Symposium on Applied Computation and Security Systems Kolkata (ACSS-2018).
 56. Priyank Jain, Manasi Gyanchandani, Nilay Khare, "Improved k-anonymity Privacy Preserving Algorithm using Madhya Pradesh Election Commission Big Data" 2nd International Conference on Integrated Intelligent Computing, Communication & Security Bangalore (ICIIC - 2018).
 57. Manasi Gyanchandani, J L Rana, R N Yadav, "Intrusion Detection using C4.5: Performance Enhancement of Classifier Combination", International Conference on Advances in Computer Science, 20 - 21 Dec 2010, Trivandrum, Kerala

58. Manasi Gyanchandani, R. N. Yadav, J. L. Rana, "Impact of Normalization on Feature Selection for Anomaly Based Intrusion Detection System" , International Conference on Computer Science and Software Engg, 9-11, December 2011, Wuhan, China
59. M. Gyanchandani, Shailya Singh, "Maintainability Prediction using Bayesian Belief Network with Architecture Assessment", Dept of CDE, CUSAT, INDIA, 26-27 April 2007
60. A. Khapekar, Y. Pandey, M. Gyanchandani, S. Shukla, "Intrusion Detection System based on Feature Selection & Classification Algorithms", National Conference on Recent Trends & Challenges in Internet Technology, 19-20 March 2010, MANIT, Bhopal.
61. A. Mewada, R. K. Pateriya, M. Gyanchandani, S. Shukla, "Intrusion Detection using SVM: A Review", National Conference on Recent Trends & Challenges in MANIT, Bhopal Internet Technology,
62. Shruti Singh, M. Gyanchandani, "Botnet & Distributed Denial of Service Attack" , National Conference on Recent Trends & Challenges in Internet Technology, 19-20 March 2010, MANIT, Bhopal.
63. Jitendra Gupta, Manasi Gyanchandani, "Integration of 3D Images & Conversion into Pseudo 3D images", National Conference on Modern Trends & Information Technology, 30 & 31 Oct 2010, College of Science & Engg. Jhansi
64. Kumar V, Shukla S, Gyanchandani M, "A Cardiac Attacks Predictive Model Using Machine Learning-Based AdaBoost Algorithm", 5th International Conference on Data Science & Applications (ICDSA 2024), MNIT Jaipur, India, 17-19 July 2024.
65. Jain A C, Gyanchandani M, Shukla S, Ram D, "A Comparative Analysis of the Robustness to Noise of Machine Learning Classifiers", International conference on Business Intelligence, Computational Mathematics & Data Analytics (iBCD2024), School of Data Science & Forecasting, Devi Ahilya Vishwavidyalaya (DAVV), Indore, 23-24 Aug 2024.
66. Shoaib Ahmed, Akhtar Rasool, Manasi Gyanchandani "The Study of Securing Big Data Networks Of Business Education Organizational", 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), IIT - Mandi Kamand, India, June 24 - 28, 2024
67. Kumar V, Shukla S. & Gyanchandani M, "Using Machine Learning-Based AdaBoost Algorithm", Data Science and Applications: Proceedings of ICDSA 2024, Volume 2, 1264, pp. 161, June 25
68. Patel T, Gyanchandani M, Rasool A, & Ram D, "SCaO-DMN: Skill Cavier Optimization Enabled Deep Maxout Network for Privacy Preservation of Health Care Data based Federated Learning", IEEE International Conference on Distributed systems, Computer Networks, Cybersecurity (ICDSNC-24), Sri Krishna Institute of Technology, Bangalore, 20-21 Sept. 2024
69. Jain Anuj Chanderia, Manasi Gyanchandani, Sanyam Shukla, and Debangana Ram. "Advancing Financial Forecasting in Algorithmic Trading Using Machine Learning Techniques", 5th Congress on Intelligent Systems (CIS 2024), CHRIST, Bengaluru, India, & Liverpool Hope University U.K, Sept-04-05, 2024
70. Naman Thakur, Sanyam Shukla, Manasi Gyanchandani, "Patient-wise Custom Convolution Neural Network for Cancerous cell detection, IEEE International Conference on Intelligent Computing & Knowledge Extraction ICICKE-25, 6-7 June 2025, CMR University, Bengaluru.
71. Shreesesh Mishra, Manasi Gyanchandani, Akhtar Rasool, Debangana Ram, "In Pursuit of Privacy: Analysing Differential Privacy Mechanisms", 4th International Conference on Machine Vision & Augmented Intelligence (MAI 20024), 20-22 December 2024 NIT Bhopal India

72. Debangana Ram, Manasi Gyanchandani, Akhtar Rasool, "Sowing Seeds of Transformation Federated Learning in Smart Farming", 4th International Conference on Machine Vision & Augmented Intelligence (MAI 20024), 20-22 December 2024 NIT Bhopal India
73. A comparative study of optimizers in quantum approximate optimization for feature selection, 4th International Conference on Machine Vision & Augmented Intelligence (MAI 20024), 20-22 December 2024 NIT Bhopal India

Book Chapter

1. Jain Priyank, Manasi Gyanchandani, and Nilay Khare. "Data Privacy for Big Data Publishing Using Newly Enhanced PASS Data Mining Mechanism." Chapter 10 Data Mining. IntechOpen Limited, 2018.ISBN 978-1-78923-597-5
2. Swarnkar Bhawna, Nilay Khare, and Manasi Gyanchandani. "Survey of Deep Learning Methods in Image Recognition and Analysis of Intrauterine Residues." Machine Learning and Deep Learning in Medical Data Analytics and Healthcare Applications. CRC Press, Jan 2022. 151-168. (Book Chapter) ISBN :978-100053393-4;978-103212687-6, Edition 1
3. Jain Priyank, Manasi Gyanchandani, and Nilay Khare. "Big data security and privacy: New proposed model of big data with secured MR layer." Advanced Computing and Systems for Security: Volume Eight (2019): 31-53. (Book Chapter) ISBN 9811337012, ISBN 9789811337017 Publisher: Springer, Singapore
4. Jain Priyank, Manasi Gyanchandani, and Nilay Khare. "Improved k-anonymity privacy-preserving algorithm using Madhya Pradesh State election commission big data." Integrated Intelligent Computing, Communication and Security (2019): 1-10. (SCIE) pp. 537-567Studies in Computational Intelligence, Volume 771, 2019, Pages 1-10, 1860949X