

CURRICULUM VITAE



Dr. Gagandeep Jagdev
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EXPERIENCE

17 years of Teaching and Research experience.

FIELD OF RESEARCH

Big Data, Data Mining, Biometrics, Image Processing (Diabetic Retinopathy and Mammography), Network Security, Text Summarization, MANETS, VANETS, Cloud Computing.

RECENT ACHIEVEMENTS

Guest Editor for the Special issue on “Advances in IoMT, Deep Learning and Computer Vision for Mammographic Image Analysis” of MDPI Journal of Imaging (indexed in PubMed, ESCI, Scopus (cite score 4.8), h index 21).

https://www.mdpi.com/journal/jimaging/special_issues/mammographic_image_analysis.

TOTAL RESEARCH PUBLICATIONS – 159

Best Research Paper Awards

- 1) Received Best Research Paper Award at International Conference on Communication, Computing and Networking (ICCCN-2017) held at NITTTR, Chandigarh (Central Govt. undertaking) on 23-24 March 2017.
- 2) Bagged best research paper award for the research paper titled “Big Data Proposes an Innovative concept for contesting elections in Indian Subcontinent” at 3rd National Conference & Exhibition on Emerging & Innovative Trends in Engineering Technology (NCEEITET-2015), organized at Govt. College of Engineering & Technology, Jammu on 15th -16th September 2015.
- 3) Bagged best research paper award for research paper titled “Modified Particle Swarm Optimization Algorithm Proposed for Augmenting Makespan” at 7th National Conference & Exhibition on Emerging & Innovative Trends in Engineering Technology (NCEEITET-2021), organized at Govt. College of Engineering & Technology, Jammu on 23rd – 24th April 2021.

RESEARCH PAPERS IN INTERNATIONAL JOURNALS - 65

- 1) Geetu & Gagandeep Jagdev. “A Comprehensive Discussion on Network Security” International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), vol 9, no. 1, 2023, pp. 16-23. DOI: <https://doi.org/10.20431/2349-4859.0901003>.
- 2) Rajwinder Kaur, Richa Brar, Gagandeep Jagdev*, “Execution of Proposed Model for Classification of Retinal Images of DRIVE Dataset,” Journal of Emerging Technologies and Innovative Research, Vol. 10, Issue 6, June 2023, <http://doi.one/10.1729/Journal.34795>
- 3) Harpinder Kaur, Gagandeep Jagdev*, “A Comprehensive Review on Time Series Forecasting Techniques”, Vol, 10, Issue 5, May 2023.
- 4) Harpinder Kaur, Gagandeep Jagdev*, “Comparative Theoretical Analysis of Time Series Techniques Intended for Forecasting”, Vol, 10, Issue 5, May 2023.
- 5) Sarbjit Kaur, Jasmeen Gill, Gagandeep Jagdev*, “Automatic Segmentation of Breast Tumors in Mammograms using Fuzzy Clustering”, ITEE (International Journal of Information Technology and Electrical Engineering), UGC-Care Journal, Vol. 11, Issue 1, February 2022, pp. 17 – 29.

- 6) Gagandeep Jagdev et al., “Execution of Structured and Unstructured Mining in Automotive Industry Using Hortonworks Sandbox”, Manuscript Id: SNCS-D-20-02136R3, Springer Nature Computer Science, 2021.
- 7) Gagandeep Jagdev et al., “Analyzing and Exploring the Impact of Big Data Analytics in Sports Sector”, Manuscript Id: SNCS-D-20-02119R2, Springer Nature Computer Science, 2021.
- 8) Gagandeep Jagdev et al., “Discourging Novel Procedure for Segmentation and Classification of Mammograms”, Manuscript Id: SNCS-D-20-02118R0, Springer Nature Computer Science, Jan 2020.
- 9) Sukhpreet Kaur, Dr. Gagandeep Jagdev (2021). “Execution of LEACH Intended for Curtailing Energy Consumption in Wireless Networks”, International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), 8(1), pp.12-22. DOI: <http://dx.doi.org/10.20431/2349-4859.0801002>.
- 10) Geetu and Gagandeep Jagdev*, “Execution of Artificial Bee Colony Algorithm to compute the Best Function Values,” International Journal of Scientific and Technical Advancements, Vol. 6 No. 4, 2021, pp. 15 – 22.
- 11) Supreet Kaur, Kamal Malik, and Gagandeep Jagdev*, “Endowment of Machine and Deep Learning in Covid-19 Scenario – A Review,” International Journal of Scientific and Technical Advancements, Vol. 6 No. 4, 2021, pp. 45 – 52.
- 12) Supreet Kaur, Kamal Malik, and Gagandeep Jagdev*, “Castigation of Cyber bullying in Relevance with Law Enforcement,” International Journal of Scientific and Technical Advancements, Vol. 6 No. 4, 2021, pp. 67 – 76.
- 13) Jaswinder Kaur and Gagandeep Jagdev*, “Mining Data Relevant to Bollywood using Hadoop Based Hortonworks Sandbox,” International Journal of Scientific and Technical Advancements, Vol. 6 No. 4, 2021, pp. 77 – 86.
- 14) Geetu and Gagandeep Jagdev*, “Modified Particle Swarm Optimization Algorithm Proposed for Augmenting Makespan,” International Journal of Scientific and Technical Advancements, Vol. 6 No. 4, 2021, pp. 53 – 66.

- 15) Gagandeep Jagdev et al., “Exploring Different Phases of Mammography for the Detection of Breast Cancer”, Journal of Xidian University, Scopus, Vol. 14, Issue 8, 2020, pp. 993 – 998.
- 16) Gagandeep Jagdev et al., “Novel Technique for Segmentation of Retinal Images”, Journal of Xidian University, Scopus, Vol. 14, Issue 7, 2020, pp. 1608 – 1613.
- 17) Gagandeep, J. (2019). Implementing and Evaluating Impact of Task Scheduling in Cloud Environment. International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), 6(2), pp.1-11. <http://dx.doi.org/10.20431/2349-4859.0602001>
- 18) Gagandeep, J. (2018). Evaluating Different Scenarios in Wanets to Find Shortest Path Applying ACO. International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), 6(1), pp.45-54. <http://dx.doi.org/10.20431/2349-4859.0601005>
- 19) Gagandeep, J. (2018). Performing Enhancement of Mammogram Images Based on ROI. International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), 5(3), pp. 16 - 22. <http://dx.doi.org/10.20431/2349-4859.0601003>
- 20) Jagdev, G. (2019). Exploring Influence of Big Data Analytics in Retail Sector. International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), 6(1), pp.1-5. <http://dx.doi.org/10.20431/2349-4859.0601001>
- 21) Dr. Gagandeep Jagdev et al., “Comparative Implementation of Hand written and Machine written Gurmukhi Text utilizing appropriate parameters”, Journal of Physics, IOPScience, Series 933 (2017) 012002, DOI:10.1088/1742-6596/933/1/012002.
- 22) Jagdev, G. (2018). Practicing and Predicting Futuristic Results for Indian Elections via Procedural Sentiment Analysis. International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), 5(6), pp 42-48. DOI: <http://dx.doi.org/10.20431/2349-4859.0504006>
- 23) Jagdev, G. (2018). Analyzing and Implementation of Ant Colony Optimization in Relevance with Travelling Salesman Problem. International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), 5(4), pp.22-29. <http://dx.doi.org/10.20431/2349-4859.0504003>.
- 24) Jagdev, G. (2018). Implementing Processing and Feature Extraction of Fundus Images under Diabetic Retinopathy. International Journal of Research Studies in Computer

- Science and Engineering (IJRSCSE), 5(3), pp.34-37. <http://dx.doi.org/10.20431/2349-4859.0503005>.
- 25) Jagdev, G. (2018). Execution of Speech Recognition Model for Noise Removal. International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), 5(4), pp.1-11. <http://dx.doi.org/10.20431/2349-4859.0504001>.
- 26) Jagdev, G. (2018). Augmenting Revenue Growth in Retail Segment via Data Mining. International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), 5(3), pp.1-8. <http://dx.doi.org/10.20431/2349-4859.0503001>.
- 27) Jagdev, G. (2018). Scrutinizing and Execution of AODV and DVR Routing Protocols in Wireless Ad-hoc Networks. International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), 5(3), pp.15-22. <http://dx.doi.org/10.20431/2349-4859.0503003>.
- 28) Jagdev, G. (2018). Sentiment Analysis and its Impact in Modeling Election Scenario. International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), 5(2), pp.22-27. <http://dx.doi.org/10.20431/2349-4859.0502004>.
- 29) Dr. Gagandeep Jagdev et al., “Comparative Analysis and Implementation of Cryptographic Algorithms in Cloud Computing”, International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), ISSN: 2349-4840 (P), ISSN: 2349-4859(O), Volume 5, Issue 1, 2018, pp.1-9, DOI: <http://dx.doi.org/10.20431/2349-4859.0501003>.
- 30) Dr. Gagandeep Jagdev et al., “Elaborating Security Algorithms in Cloud Environment”, International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), ISSN: 2349-4840 (P), ISSN: 2349-4859(O), Volume 5, Issue 1, 2018, pp.1-8, DOI: <http://dx.doi.org/10.20431/2349-4859.0501001>.
- 31) Dr. Gagandeep Jagdev et.al (2017). “Exploring Application of Big Data in Elections – From Data to Action”, International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), ISSN: 2349-4840 (P), ISSN: 2349-4859(O), Volume 4, Issue 4, pp.64-71, DOI: <http://dx.doi.org/10.20431/2349-4859.0404008>.
- 32) Dr. Gagandeep Jagdev et.al (2017). “Reconnoitering and Instigating Fingerprints as Secure Biometric Technique”, International Journal of Research Studies in Computer Science and

- Engineering (IJRSCSE), ISSN: 2349-4840 (P), ISSN: 2349-4859(O), Volume 4, Issue 4, pp.81-89, DOI: <http://dx.doi.org/10.20431/2349-4859.0404010>.
- 33) Dr. Gagandeep Jagdev et.al (2017). “Big Data in Retail Sector – An Evolution that Turned to a Revolution”, International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), ISSN: 2349-4840 (P), ISSN: 2349-4859(O), Volume 4, Issue 4, pp.43-52, DOI: <http://dx.doi.org/10.20431/2349-4859.0404006>.
- 34) Dr. Gagandeep Jagdev et al., “Big Data Diagnosis Enhances Innovative Winning Formula in the World of Sports”, Thomson Reuters indexed Indian Journal of Science and Technology, Vol 10 (35), DOI: 10.17485/ijst/2017/v10i35/118953, ISSN (Print): 0974-6846, ISSN (Online): 0974-5645.
- 35) Dr. Gagandeep Jagdev et al., “Scrutinizing and Executing the Positive Aspects of Big Data in World of Sports via Apache Hadoop Framework”, International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), ISSN: 2349-4840 (P), ISSN: 2349-4859(O), DOI: <http://dx.doi.org/10.20431/2349-4859.0404005>, Volume 4, Issue 4, 2017, pp – 36-42.
- 36) Dr. Gagandeep Jagdev et al., “A Study of Routing Protocols in VANETs”, International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), ISSN: 2349-4840 (P), ISSN: 2349-4859(O), DOI: <http://dx.doi.org/10.20431/2349-4859.0402004>, Volume 4, Issue 2, 2017, pp – 1-9.
- 37) Dr. Gagandeep Jagdev et al., “A Study on Virtualization and Task Scheduling Algorithms in Cloud Environment”, International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), ISSN: 2349-4840 (P), ISSN: 2349-4859(O), DOI: <http://dx.doi.org/10.20431/2349-4859.0403005>, Volume 4, Issue 3, 2017, pp – 1-10.
- 38) Dr. Gagandeep Jagdev et al., “Analyzing and Recommending Solutions for Effective Execution of RFID in Retail Sector”, International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), ISSN: 2349-4840 (P), ISSN: 2349-4859(O), DOI: <http://dx.doi.org/10.20431/2349-4859.0403003>, Volume 4, Issue 3, 2017, pp – 16-22.
- 39) Dr. Gagandeep Jagdev et al., “Analyzing Working of DES and AES Algorithms in Cloud Security”, International Journal of Research Studies in Computer Science and Engineering

- (IJRSCSE), ISSN: 2349-4840 (P), ISSN: 2349-4859(O), DOI: <http://dx.doi.org/10.20431/2349-4859.0403001>, Volume 4, Issue 3, 2017, pp – 1 - 9.
- 40) Dr. Gagandeep Jagdev et al., “Analyzing Working of FP-Growth Algorithm for Frequent Pattern Mining”, International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), ISSN: 2349-4840 (P), ISSN: 2349-4859(O), DOI: <http://dx.doi.org/10.20431/2349-4859.0404003>, Volume 4, Issue 4, 2017, pp – 22 - 30.
- 41) Dr. Gagandeep Jagdev et al., “Implementation of DES and AES Cryptographic Algorithms in Accordance with Cloud Computing”, International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), ISSN: 2349-4840 (P), ISSN: 2349-4859(O), DOI: <http://dx.doi.org/10.20431/2349-4859.0404001>, Volume 4, Issue 4, 2017, pp – 1 - 14.
- 42) Dr. Gagandeep Jagdev et al., “A Comparative study of Conventional Data Mining Algorithms against Map-Reduce Algorithm”, in International Journal of Advance Research in Science and Engineering (IJARSE), ISSN (O) – 2319-8354, ISSN (P) – 2319-8346, Volume – 06, Issue – 05, May 2017.
- 43) Dr. Gagandeep Jagdev et al., “Analyzing Maneuver of Hadoop Framework and MapR Algorithm Proficient in supervising Big Data”, in International Journal of Advanced Technology in Engineering and Science (IJATES), ISSN – 2348-7550, Volume – 05, Issue – 05, May 2017.
- 44) Dr. Gagandeep Jagdev et al., “A Study of Clustering and Classification Techniques involved in Data Mining”, in International Journal of Advanced Technology in Engineering and Science (IJATES), ISSN – 2348-7550, Volume – 05, Issue – 05, May 2017.
- 45) Dr. Gagandeep Jagdev et al., “Analyzing and Filtering Big Data concerned with elections via Hadoop Framework” in International Journal of Advance Research in Science and Engineering (IJARSE), ISSN (O): 2319-8354, ISSN (P): 2319-8346, Volume No. 6, Issue No, 4, April 2017.
- 46) Dr. Gagandeep Jagdev et al., “Comparing Conventional Data Mining Algorithms with Hadoop based Map-Reduce Algorithm considering elections perspective”, in International

Journal of Innovative Research in Science and Engineering (IJIRSE), ISSN: 2454-9665 (O), ISSN: 2455-0663(P), Volume – 3, Issue – 3, March 2017.

- 47) Gagandeep Jagdev et al., “Association of Big Data with Map-Reduce Technology Augments for Economic Growth in Retail”, in International Journal of Engineering Technology Science and Research (IJETSR), ISSN: 2394 - 3386, Volume 4, Issue 2, February 2017.
- 48) Dr. Gagandeep Jagdev et al., “Application and Implementation of Big Data in Medical Science”, in International Journal of Advance Research in Science and Engineering (IJARSE), ISSN (O): 2319-8354, ISSN (P): 2319-8346, Volume 06, Issue 01, January 2017, www.ijstm.com.
- 49) Dr. Gagandeep Jagdev et al., “Analyzing and Implementation of Speech Recognition as Advanced Biometric System”, in International Journal of Advanced Technology in Engineering and Science (IJATES), ISSN: 2348-7550, Volume 05, Issue 01, January 2017, www.ijates.com.
- 50) Dr. Gagandeep Jagdev et al., “Analyzing Commercial Aspects and Security Concerns Involved in Energy Efficient Cloud Computing” in International Journal of Scientific and Technical Advancements (IJSTA), ISSN-2454-1532, 2016.
- 51) Dr. Gagandeep Jagdev et al., “Apposite Analysis of Biometric via Practicing Fingerprint Recognition Techniques” in International Journal of Scientific and Technical Advancements (IJSTA), ISSN-2454-1532, 2016.
- 52) Dr. Gagandeep Jagdev et al., “Scrutinizing Working and Proposing Solutions to Security Issues Involved in Retail RFID” in International Journal of Scientific and Technical Advancements (IJSTA), ISSN-2454-1532, 2016.
- 53) Dr. Gagandeep Jagdev et al., “VANETS – A Novel Approach towards Creating Hi-Tech Network on Roads” in International Journal of Scientific and Technical Advancements (IJSTA), ISSN-2454-1532, 2016.
- 54) Dr. Gagandeep Jagdev et al., “Robotics Against Autism – An Evolution That Turned to a Revolution” in International Journal of Advance Foundation and Research in Science and Engineering (IJAFRSE), Volume 1, Special Issue, ICCICT 2015, ISSN 2349- 4794.

- 55) Dr. Gagandeep Jagdev et al., “A Study of 2D and 3D Face Recognition Biometric Techniques For Identification Purposes” in International Journal of Advance Foundation and Research in Science and Engineering (IJAFRSE), Volume 1, Special Issue, ICCICT 2015, ISSN 2349- 4794.
- 56) Dr. Gagandeep Jagdev et al., “Application of Big Data in Medical Science Brings Revolution in Managing Health Care of Humans” in International Journal of Electronics and Electrical Engineering, Vol. 2, Spl. Issue 1 (2015), e-ISSN: 1694-2310 | p-ISSN: 1694-2426.
- 57) Dr. Gagandeep Jagdev et al., “A Study on implementation of RFID and sensors in Automotive Industry” in International Journal on Advanced Computer Theory and Engineering (IJACTE) ISSN: 2319-2526, Volume-4 Issue-5, 2015, sponsored by IRD, India.
- 58) Dr. Gagandeep Jagdev, “Electroencephalogram – An Elaborative Study of an Emerging Biometric for Person Identification” in International Journal of innovation and Research in Computer Science – ISSN: 2349-2783, published by DAV College, Amritsar (PB).
- 59) Dr. Gagandeep Jagdev et al., “Big Data Proposes an Innovative concept for contesting elections in Indian Subcontinent” in International Journal of Scientific and Technical Advancements (IJSTA), ISSN-2454-1532, 2015.
- 60) Dr. Gagandeep Jagdev et al., “Implementation and Applications of Big Data in health care industry” in International Journal of Scientific and Technical Advancements (IJSTA), ISSN-2454-1532, 2015.
- 61) Dr. Gagandeep Jagdev et al., “Constraints of 2D face recognition crafts way for 3D face recognition Technique” in International Journal of Scientific and Technical Advancements (IJSTA), ISSN-2454-1532, 2015.
- 62) Dr. Gagandeep Jagdev et al., “Modern Cars ensures safety of human life via implementation of RFID and Sensors” in International Journal of Scientific and Technical Advancements (IJSTA), ISSN-2454-1532, 2015.
- 63) Gagandeep Jagdev et al., “Robotic Arm – Yet another innovation in Medical Science” in International Journal on Mechanical Engineering and Robotics (IJMER), ISSN (Print): 2321-5747, Volume-3, Issue-5, 2015, DOI No: 10.1453/IJMER/147.

64) Dr. Gagandeep Jagdev et al., "Excavating Big Data associated to Indian Elections Scenario via Apache Hadoop" in International Journal of Advanced Research in Computer Science (IJARCS), ISSN 0976 – 5697.

65) Dr. Gagandeep Jagdev et al., "Exercising RFID in retail sector for economic growth and enhanced customer satisfaction" in International Journal of Advanced Research in Computer Science (IJARCS), ISSN 0976 – 5697.

RESEARCH PAPERS IN INTERNATIONAL CONFERENCES - 69

- 1) Rajwinder Kaur, Richa Brar, and Gagandeep Jagdev, "A Novel Method for Enhancing Retinal Images using Vesselness," *2023 2nd Edition of IEEE Delhi Section Flagship Conference (DELCON)*, Rajpura, India, February 24-26, 2023, pp. 1-12, doi: 10.1109/DELCON57910.2023.10127477.
- 2) Rajwinder Kaur, Dr. Richa Brar, Dr. Gagandeep Jagdev*, "Comparative Analysis and Implementation of CLAHE with Proposed Technique in Retinal Images," in AICTE sponsored 3rd International Conference on Recent Trends in Communication and Intelligent Systems (ICRTCIS – 2021) conducted by Department of Electronics and Communication Engineering at Arya College of Engineering and I.T., Kukas , Jaipur, Rajasthan, India on 22nd – 23rd October 2021.
- 3) Sukhpreet Kaur and Gagandeep Jagdev*, "Execution of OCR for comparative Determination of Text for Images from Serif and Sans Serif Typefaces," in 1st International Conference on Computing, Networks & Renewable Energy 2021 (CNRE 2021) organised by IKGPTU, Kapurthala, Punjab on 5th to 7th August 2021.
- 4) Sarbjit Kaur, Dr. Jasmeen Gill, and Dr. Gagandeep Jagdev*, "Ascertaining Diverse Stages of Mammography for Revealing Breast Cancer," in International Conference on Recent Trends in Computer Science & Information Technology (RTCSIT-2021) organized by Post Graduate Department of Computer Science, Guru Nanak College, Budhlada, Punjab on 9th and 10th April 2021.
- 5) Gagandeep Jagdev, Gagandeep Kaur, "Analyzing and Exploring the Impact of Big Data Analytics in Sports Science," Indo – Taiwan 2nd International Conference on Computing, Analytics and Networks (Indo-Taiwan ICAN 2020), Scopus, IEEE Xplore, held at National

Chung Cheng University, Taiwan (February 7-8, 2020) and Chitkara University, India (February 14-15, 2020).

- 6) Gagandeep Jagdev, Sukhpreet Singh, "Execution of Big Data Analytics in Automotive Industry using Hortonworks Sandbox," Indo – Taiwan 2nd International Conference on Computing, Analytics and Networks (Indo-Taiwan ICAN 2020), Scopus, IEEE Xplore, held at National Chung Cheng University, Taiwan (February 7-8, 2020) and Chitkara University, India (February 14-15, 2020).
- 7) Gagandeep Jagdev, Baljinder Singh, "Discoursing Novel Procedure for Segmentation of Mammograms," Indo – Taiwan 2nd International Conference on Computing, Analytics and Networks (Indo-Taiwan ICAN 2020), Scopus, IEEE Xplore, held at National Chung Cheng University, Taiwan (February 7-8, 2020) and Chitkara University, India (February 14-15, 2020).
- 8) Jagdev G., Kaur S. (2019) Leveraging Big Data Analytics Utilizing Hadoop Framework in Sports Science. In: Luhach A., Hawari K., Mihai I., Hsiung PA., Mishra R. (eds) Smart Computational Strategies: Theoretical and Practical Aspects. Springer, Singapore, https://doi.org/10.1007/978-981-13-6295-8_22, Springer, Singapore, Print ISBN 978-981-13-6294-1, online ISBN 978-981-13-6295-8, First online: 22nd March 2019.
- 9) Dr. Gagandeep Jagdev et al., "Comparative Implementation of Hand written and Machine written Gurmukhi Text utilizing appropriate parameters", ICPS, ACM, ICCEE – 2017, University of Alberta, Edmonton, Canada, October 11 – 13, 2017.
- 10) Dr. Gagandeep Jagdev et al., "Analyzing and Scripting Indian Election Strategies using Big Data via Apache Hadoop Framework", IEEE Xplore Digital Library, August 2017.
- 11) Bhawna and Gagandeep Jagdev, "Analytic Implementation of Big Data in Sports Science Employing Apache Hadoop Framework and MapReduce Algorithm", INDIACom-2018 held on 14th – 16th March 2018, IEEE Conference ID – 42835, BVICAM, pp. 320 – 325.
- 12) Dr. Gagandeep Jagdev et al. "Implementation of Big Data concerned with Elections using Map-Reduce as novel mining algorithm", International Conference ICCCN-2017 at NITTTR, Chandigarh on 23rd-24th March 2017.

- 13) Dr. Gagandeep Jagdev et al. "Concentrating on Practicing Big Data in Retail sector using Hadoop Framework", International Conference ICCCN-2017 at NITTTR, Chandigarh on 23rd-24th March 2017.
- 14) Dr. Gagandeep Jagdev et al., "Application and Implementation of Big Data in Medical Science", at 6th International Conference on Recent Trends in Engineering, Science & Management (ICRTESM – 17) at NITTTR, Chandigarh organized by SGTBK College, Anandpur Sahib (PB) on January 8, 2017.
- 15) Dr. Gagandeep Jagdev et al., "Analyzing and Implementation of Speech Recognition as Advanced Biometric System", at 6th International Conference on Recent Trends in Engineering, Science & Management (ICRTESM – 17) at NITTTR, Chandigarh organized by SGTBK College, Anandpur Sahib (PB) on January 8, 2017.
- 16) Dr. Gagandeep Jagdev et al., "Analyzing 2D & 3D Fingerprint Recognition Techniques as Secure Biometric", at International Conference CPIE 2016 sponsored by Springer, Emerald, and InderScience publications at NIT, Jalandhar from 19th to 21st December 2016.
- 17) Dr. Gagandeep Jagdev et al., "Scrutinizing viable implementation of Cloud Computing in e-commerce", at International Conference CPIE 2016 sponsored by Springer, Emerald, and InderScience publications at NIT, Jalandhar from 19th to 21st December 2016.
- 18) Dr. Gagandeep Jagdev et al., "Analyzing Cryptographic Algorithms Involved in Cloud Computing Security", at International Conference CPIE 2016 sponsored by Springer, Emerald, and InderScience publications at NIT, Jalandhar from 19th to 21st December 2016.
- 19) Dr. Gagandeep Jagdev et al., "Examining Energy Efficiency Aspect of Cloud Computing via VM Scheduling", at International Conference CPIE 2016 sponsored by Springer, Emerald, and InderScience publications at NIT, Jalandhar from 19th to 21st December 2016.
- 20) Dr. Gagandeep Jagdev et al., "Scrutinizing the Working of Routing Protocols in Vanets", at International Conference CPIE 2016 sponsored by Springer, Emerald, and InderScience publications at NIT, Jalandhar from 19th to 21st December 2016.
- 21) Gagandeep Jagdev et al., "Big Data Alliance with MapR Technology to Govern Indian Election Panorama", at IDES International Conference IETE 2016 held at Geeta Institute of Management and Technology (GIMT), Kurukshetra on 4th-5th November 2016.

- 22) Gagandeep Jagdev et al., “Apposite Utilization of Big Data in Retail Using Hadoop Ensures Economic Growth”, Proc. of Int. Conf. on Emerging Trends in Engineering & Technology, IETET, Grenze ID: 02.IETET.2016.5.
- 23) Gagandeep Jagdev et al., “Analyzing and Scripting Indian Election Strategies using Big Data via Apache Hadoop Framework”, at IEEE International Conference WECON-2016 at Chitkara University, Rajpura (PB) on October 14-15, 2016.
- 24) Dr. Gagandeep Jagdev et al., “Implementation of Big Data via Map-Reduce in planning innovative election strategies”, at Sixth International Conference on Advanced Computing & Communication Technologies (ACCT-2016) conducted by R.G. Education Society (Regd.), Rohtak (Haryana) from 3rd - 4th September 2016.
- 25) Dr. Gagandeep Jagdev et al., “Boosting Revenue growth in retail sector via mining Big Data to utmost potential”, at 24th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications (24-ICFIDCAA-2016) held at Anand International College of Engineering, Jaipur, Rajasthan sponsored by IEEE, SIAM, ISAAC, INSERB from 22nd -26th August 2016.
- 26) Dr. Gagandeep Jagdev et al., “Implementation of Map-Reduce Algorithm for Mining Big Data concerned with Indian Election Scenario”, at 24th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications (24-ICFIDCAA-2016) held at Anand International College of Engineering, Jaipur, Rajasthan sponsored by IEEE, SIAM, ISAAC, INSERB from 22nd -26th August 2016.
- 27) Dr. Gagandeep Jagdev et al., “Analyzing and Mining Big Data in Health industry via competent Technologies”, at 24th International Conference on Finite or Infinite Dimensional Complex Analysis and Applications (24-ICFIDCAA-2016) held at Anand International College of Engineering, Jaipur, Rajasthan sponsored by IEEE, SIAM, ISAAC, INSERB from 22nd -26th August 2016.
- 28) Dr. Gagandeep Jagdev et al., “Exercising RFID in retail sector for economic growth and enhanced customer satisfaction”, at International Conference on Recent trends in Computer Science & Information Technology (RTCSIT-2016) held at Guru Nanak College, Budhlada, Mansa, Punjab on 20-21 August, 2016.

- 29) Dr. Gagandeep Jagdev et al., “Excavating Big Data associated to Indian Elections Scenario via Apache Hadoop”, at International Conference on Recent trends in Computer Science & Information Technology (RTCSIT-2016) held at Guru Nanak College, Budhlada, Mansa, Punjab on 20-21 August 2016.
- 30) Dr. Gagandeep Jagdev et al., “Retail Industry Exercises Big Data to Utmost Potential for Enhanced Revenue Growth”, at 1st International Conference on Technology Management held at National Institute of Management, Hamirpur on July 14-15, 2016.
- 31) Dr. Gagandeep Jagdev et al., “Analyzing and Mining Big Data In Health Care Sector For Healthy Human Survival Via Competent Technologies”, at 1st International Conference on Technology Management held at National Institute of Management, Hamirpur on July 14-15, 2016.
- 32) Dr. Gagandeep Jagdev et al., “Technology Originates New Epoch of Contesting Elections Using Big Data Via Apache Hadoop Framework”, at 1st International Conference on Technology Management held at National Institute of Management, Hamirpur on July 14-15, 2016.
- 33) Dr. Gagandeep Jagdev et al., “Harnessing Supremacy of Big Data in Health Care Sector via Hadoop and Map-Reduce”, at International Conference on Recent trends in Basic and Applied Sciences” at Maharaja Agrasen University, Baddi on May 12, 2016.
- 34) Dr. Gagandeep Jagdev et al., “Mining Big Data correlated to Indian Elections Scenario via Apache Hadoop”, at International Conference on Recent trends in Basic and Applied Sciences” at Maharaja Agrasen University, Baddi on May 12, 2016.
- 35) Dr. Gagandeep Jagdev et al., “Analyzing Big Data associated to retail sector for enhanced customer satisfaction”, at International Conference on Recent trends in Basic and Applied Sciences” at Maharaja Agrasen University, Baddi on May 12, 2016.
- 36) Dr. Gagandeep Jagdev et al., “Big Data Analytics Unleashes New Winning Formula in the World of Sports”, at International Conference on Recent trends in Basic and Applied Sciences” at Maharaja Agrasen University, Baddi on May 12, 2016.

- 37) Dr. Gagandeep Jagdev et al., “Applications and Challenges encountered by Radio Frequency Identification Technology in Retail Sector”, at International Conference on Recent trends in Basic and Applied Sciences” at Maharaja Agrasen University, Baddi on May 12, 2016.
- 38) Dr. Gagandeep Jagdev et al., “Ultramodern role of Artificial Neural Networks and Robotics in Medical Science” at International Multi-Stream Conference on Technology & Life at Chief Khalsa Diwan Institute of Management and Technology, Tarn Taran, Amritsar on 8th November 2015.
- 39) Dr. Gagandeep Jagdev et al., “Evaluating profit generating applications of Big Data in retail sector via Hadoop”, at PTU sponsored International Conference on Sciences, Engineering and Technical innovations” at CT Institutes, Jalandhar on June 3-4, 2016.
- 40) Dr. Gagandeep Jagdev et al., “Constructive Aspects of Information Technology and Big Data in modern learning system”, at NAAC sponsored International Seminar on “Promotion of Teaching and Learning” held at Hans Raj Memorial College of Education, Bajakhana, Faridkot (PB) on Feb 23-24, 2016.
- 41) Dr. Gagandeep Jagdev et al., “A Study on Big Data and its Applications in health care sector” at International Multi-Stream Conference on Technology & Life at Chief Khalsa Diwan Institute of Management and Technology, Tarn Taran, Amritsar on 8th November 2015.
- 42) Dr. Gagandeep Jagdev et al., “A Study of diverse Technologies competent of managing big data” at International Multi-Stream Conference on Technology & Life at Chief Khalsa Diwan Institute of Management and Technology, Tarn Taran, Amritsar on 8th November 2015.
- 43) Dr. Gagandeep Jagdev et al., “A Study on implementation of RFID and sensors in Automotive Industry” at International Conference on Innovative Research in Engineering Science, Information & Communication Technology (ICREICT-2015) Sponsored by IRD, India and held at Lala Lajpat Rai Institute of Engineering & Technology, Moga on July 30-31, 2015.

- 44) Dr. Gagandeep Jagdev et al., “Robotic Arm – Yet Another Innovation in medical science” at International Conference on Innovative Research in Engineering Science, Information & Communication Technology (ICREICT-2015) Sponsored by IRD, India and held at Lala Lajpat Rai Institute of Engineering & Technology, Moga on July 30-31, 2015.
- 45) Dr. Gagandeep Jagdev et al., “RFID Technology Enables Self-Regulating Movement of Visually Impaired People” at International Multi Track Conference on Sciences, Engineering & Technical Innovations organized by CT Institutes, Jalandhar (PB) going to be held on May 22-23, 2015.
- 46) Dr. Gagandeep Jagdev et al., “A Study of 2D and 3D Face Recognition Biometric Techniques for Identification Purposes” at International Conference on Communication, Information & Computing Technology organized by Global Institutes, Amritsar (PB) held on May 12-13, 2015.
- 47) Dr. Gagandeep Jagdev et al., “Robotics Against Autism – An Evolution That Turned To A Revolution” at International Conference on Communication, Information & Computing Technology organized by Global Institutes, Amritsar (PB) held on May 12-13, 2015.
- 48) Dr. Gagandeep Jagdev et al., “Application Of Big Data In Medical Science Brings Revolution In Managing Health Care Of Humans”, at International Conference on Electronics Design Innovations & Technologies (EDIT-2015) conducted at NITTTR, Chandigarh on April 27-28, 2015.
- 49) Dr. Gagandeep Jagdev et al., “Drawbacks of 2D Fingerprint Recognition Systems makes way for 3D Fingerprint recognition Systems”, at International Conference on Wireless Networks and Embedded Systems (WECON-2015) conducted at Chitkara University, Rajpura (PB) on March 20-21, 2015.
- 50) Dr. Gagandeep Jagdev et al., “Scrutinizing Elections Strategies by Political Parties via Mining Big Data For Ensuring Big Win in Indian Subcontinent”, at International Conference on Wireless Networks and Embedded Systems (WECON-2015) conducted at Chitkara University, Rajpura (PB) on March 20-21, 2015.
- 51) Dr. Gagandeep Jagdev et al., “Applications of ANN in Medical Science to Lessen Human Death Rate”, at International Conference on Wireless Networks and Embedded Systems (WECON-2015) conducted at Chitkara University, Rajpura (PB) on March 20-21, 2015.

- 52) Dr. Gagandeep Jagdev et al., "Implementation of Radio Frequency Identification Technology in Retail Industry and Solutions to remove hurdles on its way", at International Conference on Advances in Mathematical Sciences-2015 conducted at GSSDGS Khalsa College, Patiala (PB) on March 19-21, 2015.
- 53) Dr. Gagandeep Jagdev et al., "An Introduction to Big Data and Harnessing its Power on Medical Front for Better Human Life", at International Conference on Advances in Mathematical Sciences-2015 conducted at GSSDGS Khalsa College, Patiala (PB) on March 19-21, 2015.
- 54) Dr. Gagandeep Jagdev et al., "Big Data – A Novel Gizmo Being Used by Political Parties to Ensure Big wins in Elections in Largest Democracy of the World", at International Conference on Advances in Mathematical Sciences-2015 conducted at GSSDGS Khalsa College, Patiala(PB) on March 19-21,2015.
- 55) Gagandeep Jagdev et al., "A Study on Working of 2D Fingerprint Recognition System and how Contactless 3D Fingerprint Recognition Systems Assures Greater Perfection in Human Identification", at International Conference on Advanced Computing & Communication Technologies (ICACCT-2014) conducted at Asia Pacific Institute of Information Technology SD India, Panipat held on November 15, 2014.
- 56) Gagandeep Jagdev et al., "Ultra Modern Role of Artificial Neural Networks in Making Human Life Safe & Secure", at International Conference ICFC-2014 held at Hans Raj Mahila Maha Vidyalaya, Jalandhar (PB) on November 07-08, 2014.
- 57) Gagandeep Jagdev et al., "Big Data and Technology join Hands in Administrating Election Scenario in India", at International Conference ICFC-2014 held at Hans Raj Mahila Maha Vidyalaya, Jalandhar (PB) on November 07-08, 2014.
- 58) Gagandeep Jagdev et al., "A Study on Challenges Faced in Implementation of Rfid in Retail Industry with Proposed Solutions", at International Conference ICFC-2014 held at Hans Raj Mahila Maha Vidyalaya, Jalandhar (PB) on November 07-08, 2014.
- 59) Gagandeep Jagdev et al., "Unconventional Tasks and Challenges Faced by Big Data in Medical Science", at International Conference ICFC-2014 held at Hans Raj Mahila Maha Vidyalaya, Jalandhar (PB) on November 07-08, 2014.

- 60) Gagandeep Jagdev et al., “Wireless Sensors in Automobiles – An Evolution That Turned to a Revolution”, at International Conference on Mathematics and Engineering Sciences - 2014 organized by Chitkara University, Himachal Pradesh and International Multidisciplinary Research Foundation held on March 20-22, 2014.
- 61) Gagandeep Jagdev et al., “Artificial Neural Networks – A Boon for Medical Science and Character Recognition”, at International Conference on Innovative Advancements in Engineering and Technology (IAET-2014) organized by Jaipur National University, Jaipur held on March 07-08, 2014.
- 62) Gagandeep Jagdev et al., “Technology on Roads – Wireless Sensors and Rfid Ensures Safe Driving of Hi-Tech Cars”, at International Conference on Innovative Developments in ICT – Today & Tomorrow at DAV College, Amritsar(PB) on March 2-3, 2013.
- 63) Gagandeep Jagdev et al., “Potential Prospects Of Radio Frequency Identification Technology – An Evolution that Turned to a Revolution”, at International Conference on Advanced Computing & Communication Technologies (ICACCT-2012) conducted at Asia Pacific Institute of Information Technology SD India, Panipat held on November 03, 2012.
- 64) Gagandeep Jagdev et al., “Analysis of Threat Issues Involved in Wlan Transmissions and Security Measures Adopted for Reliable Transmission”, at International Conference on Advanced Computing & Communication Technologies (ICACCT-2012) conducted at Asia Pacific Institute of Information Technology SD India, Panipat held on November 03, 2012.
- 65) Gagandeep Jagdev et al., “Robotics – A Lethal Weapon Against Autism”, at International Conference on Information Management in the Knowledge Economy (IMKE-2012) conducted at Chitkara University, Rajpura (PB) on November 16, 2012.
- 66) Gagandeep Jagdev et al., “Digital Cinemas – An Evolution That Turned to a Revolution” at International Conference titled “Changing Global Paradigms Of Mediascape” to be held at Centre For Advanced Media Studies, Punjabi University, Patiala (PB) on October 21 – 23, 2011.
- 67) Gagandeep Jagdev et al., “Human Life Goes Wireless”, at International Conference on Development and Applications of Statistics in Emerging Areas of Science & Technology, organized by Department of Statistics at University of Jammu, Jammu on December 8-10, 2010.

- 68) Gagandeep Jagdev et al., “Wimax Vs Wi-Fi – TWO SIDES OF A SAME COIN”, at International Conference on Development and Applications of Statistics in Emerging Areas of Science & Technology, organized by Department of Statistics at University of Jammu, Jammu on December 8-10,2010.
- 69) Gagandeep Jagdev et al., “Analysis Of Shortest Path Determination In Mobile Computing”, sponsored by CSIR, Advance Technology, Scientech Innovative Technology Ecosystem, Mars at “International Conference On Wireless Networks And Embedded Systems (WECON-2009)” in association with George Brown College, Canada, organized by Department Of Electronics And Communication Engineering at Chitkara University, Rajpura, Punjab on October 23-24,2009.

RESEARCH PAPERS IN NATIONAL CONFERENCES - 25

- 1) Dr. Gagandeep Jagdev et al., “An Innovative perception of utilizing Big Data in Indian Elections via Competent Technologies” published and presented at National Conference on Pervasive Computing at D.A.V. College, Bathinda (PB) on May 6th, 2016, ISBN: 93-5181-154-9.
- 2) Dr. Gagandeep Jagdev et al., “Big Data in association with Map-Reduce Technology augments economic growth in retail sector” published and presented at National Conference on Pervasive Computing at D.A.V. College, Bathinda (PB) on May 6th, 2016, ISBN: 93-5181-154-9.
- 3) Dr. Gagandeep Jagdev et al., “Exercising Big Data in Indian Election scenario via competent technologies” at TEQIP-II sponsored National Conference CIOEGBS-2016 at Maharaja Ranjit Singh Punjab Technical University, Bathinda (PB) during April 7th – 8th, 2016.
- 4) Dr. Gagandeep Jagdev et al., “Constructive aspects of Big Data in retail sector for financial growth” at TEQIP-II sponsored National Conference CIOEGBS-2016 at Maharaja Ranjit Singh Punjab Technical University, Bathinda (PB) during April 7th – 8th, 2016.
- 5) Dr. Gagandeep Jagdev et al., “Confronts and proposed solutions for effective implementation of RFID in retail” at DST sponsored National Conference NCRSCT-2016 at Mata Sahib Kaur Girls College, Talwandi Sabo (PB) during April 5th – 6th, 2016.

- 6) Dr. Gagandeep Jagdev et al., “Big Data all set to administrate new era of contesting elections in India” at DST sponsored National Conference NCRSCT-2016 at Mata Sahib Kaur Girls College, Talwandi Sabo (PB) during April 5th – 6th , 2016.
- 7) Dr. Gagandeep Jagdev et al., “Big Data sets novel drift for contesting elections in India” at National Conference RTEST 2016 held at Rayat-Bahra University, at Sahauran, Chandigarh on 11 March 2016.
- 8) Dr. Gagandeep Jagdev et al., “Constructive aspects of Big Data in health sector promises better human life” at National Conference RTEST 2016 held at Rayat-Bahra University, at Sahauran, Chandigarh on 11 March 2016.
- 9) Dr. Gagandeep Jagdev et al., “Radio Frequency identification – Yet another Technology in Wireless Communication” at National Conference RTEST 2016 held at Rayat-Bahra University, at Sahauran, Chandigarh on 11 March 2016.
- 10) Dr. Gagandeep Jagdev et al., “Analyzing Big Data in retail industry via Apache Hadoop Framework” at National Conference RTEST 2016 held at Rayat-Bahra University, at Sahauran, Chandigarh on 11 March 2016.
- 11) Dr. Gagandeep Jagdev et al., “Big Data in Health Sector – An Evolution that turned to a Revolution” at National Conference on Future Patterns in Information Technology organized by Dept. of Computer Science & Applications, D.A.V. College, Abohar (PB) on 4th December,2015.
- 12) Dr. Gagandeep Jagdev et al., “In-depth study of emerging data mining technologies capable of handling Big Data” at National Conference on Future Patterns in Information Technology organized by Dept. of Computer Science & Applications, D.A.V. College, Abohar (PB) on 4th December,2015.
- 13) Dr. Gagandeep Jagdev et al., “Big Data commences a new Trend for political parties to contest elections in Indian subcontinent” at National Conference on Future Patterns in Information Technology organized by Dept. of Computer Science & Applications, D.A.V. College, Abohar (PB) on 4th December,2015.
- 14) Dr. Gagandeep Jagdev et al., “Analysis and Application of Big Data in Retail sector intended for revenue growth” at National Conference on Future Patterns in Information

Technology organized by Dept. of Computer Science & Applications, D.A.V. College, Abohar (PB) on 4th December,2015.

- 15) Dr. Gagandeep Jagdev et al., “Big Data Proposes an Innovative concept for contesting elections in Indian Subcontinent” at 3rd National Conference & Exhibition on Emerging & Innovative Trends in Engineering Technology (NCEEITET-2015), held at Govt. College of Engineering & Technology, Jammu on 15th -16th September, 2015.
- 16) Dr. Gagandeep Jagdev et al., “Implementation and Applications of Big Data in health care industry” at 3rd National Conference & Exhibition on Emerging & Innovative Trends in Engineering Technology (NCEEITET-2015), held at Govt. College of Engineering & Technology, Jammu on 15th -16th September, 2015.
- 17) Dr. Gagandeep Jagdev et al., “Constraints of 2D face recognition crafts way for 3D face recognition Technique” at 3rd National Conference & Exhibition on Emerging & Innovative Trends in Engineering Technology (NCEEITET-2015), held at Govt. College of Engineering & Technology, Jammu on 15th -16th September 2015.
- 18) Dr. Gagandeep Jagdev et al., “Modern Cars ensures safety of human life via implementation of RFID and Sensors” at 3rd National Conference & Exhibition on Emerging & Innovative Trends in Engineering Technology (NCEEITET-2015), held at Govt. College of Engineering & Technology, Jammu on 15th -16th September 2015.
- 19) Participated in UGC sponsored “National Conference on Life and Ideology of Shaheed Bhagat Singh” held at Yadavindra College of Engineering, Punjabi University Campus, Damdama Sahib on October 12-13, 2010.
- 20) Gagandeep Jagdev, “Versatility of Object-Oriented Paradigm Defined via Analyzing Popular Sorting Techniques”, at National conference titled “Smart, Electronic & Engineering Materials (SEEM’s10)” at Baba Farid College of Engineering & Technology, Deon, Bathinda (PB) held on March 5-6, 2010.
- 21) Gagandeep Jagdev, “WPA, A Justified Successor of WEP”, at National Conference titled “Smart, Electronic & Engineering Materials (SEEM’s10)” at Baba Farid College of Engineering & Technology, Deon, Bathinda (PB) on March 5-6, 2010.
- 22) Gagandeep Jagdev, “Mobile Computing and Role of Mst Algorithms for Shortest Path Determination in Cellular Networks”, at National Conference titled “Smart, Electronic &

Engineering Materials (SEEM's10)" at Baba Farid College of Engineering & Technology, Deon, Bathinda (PB) on March 5-6, 2010.

23) Gagandeep Jagdev, "WPA and WPA-II, killer of WEP", at National Conference On Emerging Trends In Web Computing, Guru Nanak Girls College, Santpura, Yamuna Nagar, Haryana held on October 29-30, 2010.

24) Gagandeep Jagdev, "Bluetooth – Since Advent to Till Date" at National Conference on Advances in Digital Signal Processing, organized by Department of Electronics and Communication Engineering, Chitkara Institute of Engineering & Technology, Chitkara University, Rajpura held on October 22-23, 2010.

25) Gagandeep Jagdev, "Comparison Of Mst And Sorting Algorithms For Shortest Path Determination In Mobile Computing", at National conference titled "Emerging Trends in Engineering & Information Technology" at Guru Teg Bahadur Khalsa Institute of Engg. & Technology, Malout held on November 6-7, 2009.

SIGNIFICANT ACHIEVEMENTS

Session Chair / Chairperson

- 1) Acted as chairperson at a seminar conducted on "WIRELESS TECHNOLOGIES AND THE FIELD OF NETWORKING", organized by Department of Computer Science at Tapachariya Hem Kunwar Rasik Lal Dhariwal Jain Girls College, Raman Mandi, Bathinda on September 17, 2010.
- 2) Acted as session chair at International Conference on Communication, Information & Computing Technology organized by Global Institutes, Amritsar (PB) held on May 12-13, 2015.
- 3) Acted as session chair at International Multi-Stream Conference on Technology & Life at Chief Khalsa Diwan Institute of Management and Technology, Tarn Taran, Amritsar on 8th November 2015.
- 4) Chairperson at INDIACom-2018 5th International Conference on Computing for Sustainable Global Development to be held at Bharti Vidyapeeth, New Delhi from 13th to 15th March 2019.

- 5) Chairperson at International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM-2019) to be organized at Amity University, Rajasthan, Jaipur, India and to be held on February 26 – 28, 2019.

Editorial Board Member / Reviewer of International Journals

- 1) Reviewer of Clarivate Analytics SCIE indexed Journal, Human-Centric Computing and Information Sciences.
- 2) Reviewer of Scopus indexed Springer Nature Computer Science.
- 3) Reviewer of Scopus indexed Advances in Science, Technology and Engineering Systems Journal (ASTESJ) [Reviewer Code: AJR01212].
- 4) Reviewer of Scopus Indexed Walailak Journal of Science and Technology.
- 5) Member of Mentor-List of Institute for Research and Development (IRD), India, ISO: 9001:2008.
- 6) Editorial board member of Indian Journals (IJOR), Diva Enterprises Pvt. Ltd.
- 7) Editorial board member of International Journal of Engineering and Information Systems (IJEAIS), ISSN: 2000-000X since November 2017.
- 8) Editorial board member of International Journal of Latest Trends in Engineering and Technology (IJLTET), ISSN (Online): 2278-621X, ISSN (Print): 2319-3778.
- 9) Editorial board member of International Journal of Scientific Engineering and Science (IJSES), ISSN (Online) – 2456-7361.
- 10) Editorial board member of International Journal of Engineering and Management Research (IJEMR), ISSN (Online): 2250-0758, ISSN (Print): 2394-6962.
- 11) Editorial board member of International Research Journal of Advanced Engineering and Science (IRJAES), ISSN (online): 2455-9024.
- 12) Editorial board member of International Journal of Scientific and Technical Advancements (IJSTA), ISSN No. 2454-1532.

- 13) Editorial board member of Academicians' Research Center (ARC) and International Journal of Research Studies in Computer Science and Engineering (IJRSCSE), ISSN (Print): 2349-4840, ISSN (Online): 2349-4859.
- 14) Editorial board member of International Academy of Engineering and Medical Research (IAEMR).
- 15) Reviewer Panel member of International Journal of Exploring Emerging Trends in Engineering (IJEETE), e-ISSN: 2394 – 0573 from March 2017 onwards.
- 16) Editorial Board Member of AR Research Publication and Conference World comprising journals
- International Journal of Electrical and Electronics Engineers (IJEEE) ISSN (O) – 2321-2055 ISSN(P) – 2321-2047
 - International Journal of Science, Technology and Management (IJSTM) ISSN (P) – 2394-1529 ISSN (O) – 2394-1537
 - International Journal of Advance Research in Science and Engineering (IJARSE) ISSN (P) – 2319-8346 ISSN (E) – 2319-8354
 - International Journal of Advanced Technology in Engineering and Science (IJATES) ISSN 2348-7550.
- 17) Editorial Board Member of Journal of the International Association of Advanced Technology and Science (JIAATS).
- Journal of Advance Research in Computer Science & Engineering (ISSN – 2456-3552).
- 18) Editorial Board Member of International Journal of Academic Multidisciplinary Research (IJAMR), ISSN: 2000:006X).

Technical Program Committee/ Reviewer Board Member

- 1) Member of Technical Program Committee and Reviewer of 2nd Edition of IEEE owned International Conference DELCON 2023 held at Chitkara University, Rajpura, Punjab during Feb 24 – 26, 2023.

- 2) Served as Reviewer in 1st International Conference on Mechatronics and Artificial Intelligence held on February 26 – 27, 2021 organized by Association of Engineers & Technocrats, Faculty of Engineering & Technology, SGT University, Gurugram, Haryana, India.
- 3) Member of Technical Program Committee of 1st International Conference on Mechatronics and Artificial Intelligence, SGT University, Gurgaon on February 22 – 27, 2021.
- 4) Member of Technical Program Committee of Indo – Taiwan ICAN 2020 held at Chitkara University, Rajpura, Punjab on February 14 – 15, 2020.
- 5) Member of Technical Program Committee of WECON – 2018 to be held at Chitkara University, Rajpura scheduled on 16th – 17th November, 2018.
- 6) Member of Technical Program Committee of International Conference on Interdisciplinary Research in Humanitarian Technology 2017 (ICIRHT-2017), Sri Sai Group of Institutes, Pathankot (PB).
- 7) Member of Technical Program Committee of International Conference on Next Generation Computing Technologies 2017 (NGCT-2017), University of Petroleum and Energy Studies, Dehradun.
- 8) Member of Technical Program Committee of INDIACom-2018 5th International Conference on Computing for Sustainable Global Development, Bharti Vidyapeeth, New Delhi.
- 9) Reviewer board member of WECON-2016, Chitkara University, Rajpura, Punjab.

Extension Lectures/Key Notes Delivered & Organized

- 1) Presided as Key Note speaker over One-day National Workshop titled “Current & Prospective Technicalities & Innovation in I.T.” organized by Dept. of Computer Science, Nehru Memorial Govt. College, Mansa, Punjab, India held on 23rd October 2018.

- 2) Delivered extension lecture at Punjabi University Campus, Maur, Bathinda on the topic “Contemporary Developments and Advances in Research & Technology” on 22nd November 2018.
- 3) Delivered extension lecture at Punjabi University Neighborhood Campus, Jhunir, Mansa (PB) on the topic “Futuristic Trends & Applications of I.T. in Real World” on 11/10/2018.
- 4) Organized an extension lecture at Punjabi University Guru Kashi College, Damdama Sahib (PB) on the topic “Recent Trends in Artificial Intelligence” on 24th September 2018.
- 5) Delivered extension lecture at Panjab University SBBS College, Sukhanand on the topic “Latest Trends in Computer Science” on 30th January 2017.
- 6) Delivered extension lecture at Mata Sahib Kaur Girls College, Damdama Sahib on the topic “Recent & upcoming trends in I.T. Sector” on March 31, 2017.
- 7) Delivered extension lecture at Govt. Nehru Memorial College, Mansa, Punjab, India on the topic “Contemporary & Upcoming Drifts in I.T. Sector” on 21st April 2017.
- 8) Delivered extension lecture at Mata Sahib Kaur Girls College, Damdama Sahib on the topic “The Unknown Concepts of C Language” in September 2017.

Short Term Course

- 1) Participated in one week online AICTE recognized Faculty Development Programme on “Linux Applications in Engineering Education” from 27-04-2020 to 01-05-2020 conducted by Computer Science and Engineering Department, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh and MHRD, Govt. of India.
- 2) Participated in one week online AICTE recognized Faculty Development Programme on “Big Data Analytics” from 11-05-2020 to 15-05-2020 conducted by Computer Science and Engineering Department, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh and MHRD, Govt. of India.
- 3) Participated in one week online AICTE recognized Faculty Development Programme on “Open Source Cyber Security Tools” from 18-05-2020 to 22-05-2020 conducted by

Computer Science and Engineering Department, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh and MHRD, Govt. of India.

- 4) Participated in one week online AICTE recognized Faculty Development Programme on “Recent Trends in VLSI Design” from 25-05-2020 to 29-05-2020 conducted by Electronics and Communication Engineering Department, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh and MHRD, Govt. of India.
- 5) Participated in one week International Faculty Development Programme on “Digital Learning and Multidisciplinary Approaches” from 12-06-2020 to 17-06-2020 conducted by Department of Computer Applications, JSS Mahavidyapeetha, JSS Academy of Technical Education, Noida.
- 6) Attended one-week AICTE recognized Short Term Course held at National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh on “Power Supply, UPS, Inverter and SMPS”, March 19th – 23rd, 2017.

STPs / Workshops Attended as Invited Speaker / Resource Person

- 1) Presided as Session chairperson of 2nd Edition of IEEE owned International Conference DELCON 2023 held at Chitkara University, Rajpura, Punjab during Feb 24 – 26, 2023
- 2) Participated as a resource person in 2 Day Online Workshop titled “Big Data Analytics & Applications” conducted by Department of Computer Science, Guru Nanak College, Moga, Punjab on 11 – 12 December 2020.
- 3) Participated as an expert and delivered the lecture in expert session on the topic “Big Data, MapReduce and their applications – Part 1” on 09th 2021 during the event on STTP on Data Science and Big Data Analytics (AICTE Sponsored) organized by Indo Global College of Engineering, Abhipur, New Chandigarh through online mode from 07th June 2021 to 12th June 2021.
- 4) Participated as an expert and delivered the lecture in expert session on the topic “Big Data, MapReduce and their applications – Part 2” on 10th 2021 during the event on STTP on Data Science and Big Data Analytics (AICTE Sponsored) organized by Indo Global College of Engineering, Abhipur, New Chandigarh through online mode from 07th June 2021 to 12th June 2021.

- 5) Participated as an expert and delivered the lecture in expert session on the topic “Big Data, MapReduce and their applications – Part 1” on 28th July 2021 during the event on STTP on Data Science and Big Data Analytics (AICTE Sponsored) organized by Indo Global College of Engineering, Abhipur, New Chandigarh through online mode from 26th July 2021 to 31st July 2021.
- 6) Participated as an expert and delivered the lecture in expert session on the topic “Big Data, MapReduce and their applications – Part 2” on 29th July 2021 during the event on STTP on Data Science and Big Data Analytics (AICTE Sponsored) organized by Indo Global College of Engineering, Abhipur, New Chandigarh through online mode from 26th July 2021 to 31st July 2021.

Workshops / Conferences Attended

- 1) Participated in a one-day Workshop on “Design Thinking for Next Industrial Revolution – Industry 4.0” conducted by the Department of Mechanical & Automobile Engineering, Arasu Engineering College, Kumbakonam held on 22nd June 2020.
- 2) Attended One Week Interdisciplinary National Workshop on “Recent Advances in Environmental Studies” conducted by Teaching Learning Centre at Central University of Punjab, Bathinda, Punjab under Pandit Madam Mohan Malaviya National Mission on Teachers & Teaching from 25th March to 29th March 2019.
- 3) Attended Ten days National Workshop on Curriculum Design and Development conducted by School of Education, Central University of Punjab, Bathinda under Pandit Madam Mohan Malaviya National Mission on Teachers & Teaching from 28th January 2019 to 06th February 2019.
- 4) Attended Two Days “4th National Workshop on Innovations in Science (IIS – 2018) held on October 16 – 17, 2018 at Yadavindra College of Engineering, Punjabi University Guru Kashi Campus, Talwandi Sabo, Bathinda, Punjab.
- 5) Attended National Workshop on “Computer Science and Technology” conducted by Dept. of Computer Science, Punjabi University Guru Kashi College, Damdama Sahib (PB) held on 21st October 2017.

- 6) Attended National Conference on Advances in Wireless Communication and Mathematics held at Punjabi University Guru Kashi College, Damdama Sahib, Bathinda, Punjab on 02nd December 2018.
- 7) Attended 2 days Hands-On Workshop on “Embedded Systems Design Using MSP430 Puppy” conducted at Chitkara University, Rajpura (PB) and sponsored by IEEE and Texas Instruments held on March 20-21, 2015.
- 8) Attended one week Teachers Workshop titled “LEARN THE LEARNER” held at Punjabi University Guru Kashi College, Talwandi Sabo during July 9th – 14th, 2012.
- 9) Attended Patent Awareness Workshop held at Yadvindra College Of Engineering, Punjabi University Campus, Damdama Sahib in association with Patent Information Centre, Punjab State Council For Science And Technology, Chandigarh on December 11, 2009.

Seminars

- 1) Delivered seminar on “Wireless Technologies and the Field of Networking”, organized by Department of Computer Science at Tapachariya Hem Kunwar Rasik Lal Dhariwal Jain Girls College, Raman Mandi, Bathinda on September 17, 2010.
- 2) Participated in UGC sponsored seminar on “Punjab Economy: Economic Distress and Development Process” organized by Punjabi University Guru Kashi College, Talwandi Sabo held during December 23-24, 2011.
- 3) Participated in UGC sponsored National Seminar “Contemporary Indian Reality through Vernacular Fiction” held at Punjabi University Guru Kashi College, Damdama Sahib (PB), India on September 12th, 2015.

Webinars / Quizzes - 85

- Participated in a Webinar titled “Building API with Python Webinar” conducted by Codegyan held on 29th April 2020.
- Participated in a Faculty Development Program – “Webinar on Mathematical Modelling for Science and Engineering” conducted by Cauvery College for Women (Autonomous), Trichy on 2nd May 2020.

- Participated in a webinar titled “Visualising Post – Corona in India with Special Reference to Economy, Trade, Commerce, and Innovative Technology” conducted by Panjab University Constituent College, Patta Hira Singh, Nihal Singh Wala, Moga, Punjab on 14th May 2020.
- Participated in a Webinar titled “Emerging Research Issues in Software and IT Sector” conducted by the Department of Computer Science and Engineering, CMR Engineering College, held on 18th May 2020.
- Participated in a Webinar titled “Machine Learning and Artificial Intelligence” conducted by IIMT College of Management, Greater Noida held on 18th May 2020.
- Participated and passed the “Online Quiz on Business Statistics” conducted by Faculty of Commerce, Hindu College, Moradabad (U.P) on 19th May 2020.
- Participated and passed the awareness quiz on “World Environment Day-2020” conducted by Green Eco Organization and Youth Red Cross, Arasu Engineering College, Kumbakonam through online pedagogy on 19 May 2020 with 80%.
- Participated and passed the online quiz on “Covid-19 Pandemic General Awareness Quiz” conducted by the Department of Computer Science and IQAC cell of SDP College of Women, Ludhiana, Punjab held on 22 May 2020 with 100%.
- Participated and passed the online quiz on “Covid-19 Pandemic General Awareness Quiz” conducted by NSS Department of SBAS Khalsa College, Sandaur, Sangrur, Punjab held on 23 May 2020 with 100%.
- Participated in a Webinar titled “Post COVID Revival for a Resurgent India” conducted by the Guruvayurappan Institute of Management, Coimbatore held on 21st May 2020.
- Participated in a Webinar titled “Recent Trends in Meeting in Power Quality Challenges” conducted by the Department of Electrical Engineering, Rajiv Gandhi College of Engineering, Research and Technology, Chandrapur held on 27th May 2020.
- Participated in an International Webinar titled “Opportunities and Challenges in Industries 4.0” conducted by the Department of Mechanical Engineering & Research Committee, Arasu Engineering College, Kumbakonam held on 27th July 2020.

- Participated in Webinar titled “Women (and Men) In Leadership During COVID-19 Scenario: Best Practices for Global Well-Being” conducted by Amity University, Noida held on 30th June 2020.
- Participated in Three Day Online Webinar on “Angular Framework” conducted by the Research Committee, Arasu Engineering College, Kumbakonam held from 20th July 2020 to 22nd July 2020.
- Participated in International Online Webinar on “Secondary – ion Batteries: An overview and storage materials” conducted by Department of Mechanical Engineering & Research Committee, Arasu Engineering College, Kumbakonam held on 13th August 2020.
- Participated in International Online Webinar on “Additive Manufacturing for Bio implant Manufacturing and it’s Challenges” conducted by Department of Mechanical Engineering & Research Committee, Arasu Engineering College, Kumbakonam held on 13th June 2020.
- Participated in Online Webinar on “Introduction to Blockchain Technology” conducted by Department of Computer Science and Engineering, Arasu Engineering College, Kumbakonam held on 06th June 2020.
- Participated in International Online Webinar on “Matlab Applications in Sciences and Engineering” conducted by Baba Farid College, Bathinda, Punjab held on 29th May 2020.
- Participated in Two Days International Online Webinar on “Artificial Intelligence and Machine Learning” conducted by Department of Computer Science, Baba Farid College, Bathinda, Punjab held on 7th and 8th July 2020.
- Participated in an Online Webinar titled “Psychological Balancing Techniques in COVID-19” conducted by the Department of Business Administration and Department of Physical Education, Bharathidasan College of Arts and Science, Erode held on 23rd June 2020.
- Participated in Online Webinar on “Strategy for Managing Personal Finance Including Mutual Funds During and After COVID-19” conducted by Central University of Himachal Pradesh in association with Association of Mutual Funds in India (AMFI) held on 10th July 2020.
- Participated in Three Day Online Webinar on “Shift in Paradigm: Online Education” conducted by Mahatma Hansraj Faculty Development Centre under PMMMMNMTT held from 09th – 11th June 2020.

- Participated in the 3rd International Webinar on “Covid-19: Opportunities and Challenges in Digital Environments” conducted by Department of Computer Science & Engineering, School of Engineering Sciences & Technology, Jamia Hamdard held on 06th July 2020.
- Participated in Two days Online Capacity Building Program on “Basic Tools and Techniques for Online Teaching” conducted by Centre for E-Learning and Teaching Excellence, Punjabi University, Patiala held on 25th – 26th July 2020.
- Participated in One Day Online Enhancing Digital Skills for Excellence in Teaching on Using National Digital Library of India (NDLI) for Online Teaching and Learning conducted by Centre for E-Learning and Teaching Excellence, Punjabi University, Patiala held on 5th September 2020.

PERSONAL MEMORANDA

Date of Birth	- 7 th December , 1982
Father’s Name	- Sr.Surendra Pal Singh
Sex	- Male
Marital Status	- Married
Languages Known	- English, Hindi, Punjabi
Nationality	- Indian

(Dr. Gagandeep Jagdev)

Date: 27/02/2022