

Dr. Sherin Zafar

**Assistant Professor Grade 2 (Senior Grade)
Department of CSE, SEST, Jamia Hamdard
(August 2015-Till Date)
108/19, Zakir Nagar, New Delhi 110025**



Personal Details:

Date of Birth : 12 October 1984
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Scopus Author ID: 56154977900

WOS ID: <https://www.webofscience.com/wos/author/record/GQQ-9221-2022>

Google Scholar Link: <https://scholar.google.com/citations?user=2D5voIgAAAAJ&hl=en>

Total Research Papers: 84 (WoS and Scopus- Journals/Book Chapters/Conferences)

Book Chapters - 42

Journals (SCI/Scopus) – 30

Conferences (All Scopus) – 12

Government Research/Projects Granted/Completed:

1. Co-Pi of FIST- DST Project of 1 .10 crore:
2. Pi of UBA Project of 1 lakh: Proj Id: 568 Water, Sanitation and Hygiene Education (WSHE) training in Sudhar Camp Region Kalkaji through installation and utilization of Portable Outdoor Wash Station (POWS) based Sanitization drive and JH-WSHE App in Covid 19 Pandemic Scenario (Completed and UC Submitted, 2020).
3. Pi of UBA project of Rs 1 lakh: (UBA/NCI/0070/U-0107), September 2022, Bacterial Free Innovative Paintings for Hygienic Whitewash Solutions in Saidul Azaib with installation of Portable Green and Blue Smart Dustbins (Completed and UC Submitted, 2020).
4. Pi of UBA project of Rs 1 lakh Bacterial free innovative paintings for hygienic white wash solutions in Kalkaji Sudhar Camp with installation of portable green and blue smart dustbins (No. RP-03525G) under UBA 2.0.
5. Co-Pi of UBA project of Rs 1 lakh “Technology Development” entitled, “Implementing a waste management system by encouraging composting from kitchen waste to support a sustainable life” submitted by you under SEG Others, Unnat Bharat Abhiyan Project-No: RP-03525G.

Teaching Experience:

19+ years teaching Experience in prestigious Universities : Jamia Hamdard, Jamia Millia Islamia, Patel Engineering College Bhopal (Rajiv Gandhi Technical University), IMS Engineering College Ghaziabad (U.P Technical University), NSIC (Okhla), JIMS and Industrial Experience in Infosys Hyderabad.

PhD Guided Record

PhD Completed: 3

PhD Ongoing: 8

Details of PhD Awarded

1. Deepa Mehta (11/PHD/0016) “Optimization in ZRP Through Neoteric Routing Approach” in MRIIRS.
2. Neha Sharma (160020601005) “Trust Based Neoteric Optimized Routing Approach for MANET in GD Goenka University, Haryana.
3. Ashu (160020601005)” Optimization of Security in hybrid networks using Computational Intelligence” MRIIRS.

Awards

1. Spoken tutorial, IIT Bombay Master Educator Award-2023
2. Special Mentor award managing stall of spoken tutorial, IIT Bombay inworld book fair-2023.
3. Student Mentorship Award (UILA) by Shaheed Sukhdev College, University of Delhi, 2024.
4. Award for being an outstanding and exceptional mentor to implement IIT Bombay Spoken Tutorial training programs for the faculty and students of Jamia Hamdard, New Delhi, 2024.
5. Virtual Lab IIT Delhi 1st Rank Usage Award.
6. SPOC NPTEL AA category Award.
7. Top 50 Eminent Teachers of the Year 2023, I2OR/2023/Top50/T-36, I2OR is registered MSME with Ministry of MSME, Government of India (UDYAM-PB-20-0002405).
8. Exceptional Contribution as Judge in Toycathon 2021 by Ministry of Education and Innovation.
9. Exceptional Contribution as Primary Evaluator in Toycathon 2021 by Ministry of Education and Innovation
10. Best Keynote Session IIRA 2023.
11. Best Paper Award IIRA 2023 “Designing Traffic Management Simulator Using Artificial Intelligence Technology”.
12. Best Paper Award IIRA 2023 “Deep Learning Model of Image Classification for Traffic Signs”.
13. Internshala Annual Ranking 2022 Award.
14. Top Performing Mentor 2022, SAN and Mahendra College of Engineering Chennai

Administrative Duties Undertaken

1. Spoken Tutorial Central Coordinator
2. BOS Member SEST
3. NIRF Coordinator (School Level)
4. Committee Member Convocation 2023
5. Technical Committee to provide support to the Office of the IQAC and Core Committee

of NAAC

6. Swayam MOOCS Coordinator
7. Unnat Bharat Abhiyan (UBA) Coordinator
8. Vice President Athletics Club
9. Virtual Lab Nodal Coordinator
10. Induction Coordinator
11. Internshala Coordinator
12. Timetable Coordinator
13. Bhartiya Bhasha Diwas Coordinator
14. Visveswaraya Co-Coordinator
15. Sports and Cultural Events Coordinator
16. Convener, Coordinator and Judge in Literary Events
17. UHV-FDP Local Program Coordinator
18. Committee Member for Health-Related Outreach Programs
19. Assistant Director Centre for Teaching Research and Innovation
20. Member in Centre for Scientific and International Collaboration
21. Admission Team Co-Coordinator
22. Member Industry Academia Partnership Cell
23. SPOC NPTEL
24. ICIDSSD 24 Secretary
25. EPOCH Coordinator
26. IRSD Organizing Secretary
27. NAAC Criterio 1 Team Member
28. Coordinator International Webinar on Digital Transformation: Facelifting Oncology 2021
29. Organizing Committee for Orientation program on MOOCS and Blended Learning
30. Joint Coordinator in Faculty Development Program on Entrepreneurship
31. Conference Joint Secretary, ICIDSSD 2022.
32. Part of Nerdz (annual fest) event coordination team Jamia Hamdard University 2015.
33. Organized Sports events in Faculty of Engineering Jamia Millia Islamia 2013.
34. Co-Coordinator for Transparency International “Anti-Corruption Week” conducting activities for students, Department of CSE, SEST, Jamia Hamdard.
35. Co-Teacher Coordinator in NERDZ 2017, Department of CSE, SEST, Jamia Hamdard.
36. Teacher Coordinator of Industrial Visit of B.Tech C.S.E & E.C.E (6th Sem) Jan 2017, Department of CSE, SEST, Jamia Hamdard.
37. Prepared Criterion III for AQAR Report, Department of CSE, SEST, Jamia Hamdard.
38. Prepared documents for 12(B) JOURNAL Expert Committee Visit.
39. Coordination Committee Member of Annual Convocation, Jamia Hamdard.
40. Coordination Committee Member or Admission 2017 Department of CSE, SEST, Jamia Hamdard.
41. Coordination Committee Member for NAAC visit 2017, Department of CSE, SEST, Jamia Hamdard.
42. Coordination Committee Member for AICTE visit 2017, Department of CSE, SEST, Jamia Hamdard.
43. Coordination Committee Member for UGC visit 2017, Department of CSE, SEST, Jamia Hamdard.
44. Coordinated preparation of FIST DST report from department of CSE, SEST.
45. Coordinated Convocation Jamia Hamdard, 2019.
46. Coordinator Ekta Divas, 31st October 2018.
47. ICIDSSD’20 Conference Joint Secretary.

48. ICIDSSD'19 Conference Coordinator.
49. Coordinated 3 days' workshop on Recent Trend in Emerging Technologies, 9-11th October 2018 with Apron Solutions.

Patent Information (8)

1. Published Patent: System & Method Thereof for Secure Digital Health Network Based on Distributed Ledger Technology, 31/05/2019, Patent Application Number: 201911020422,
2. Granted patent May 2021 Cartoonify Image Detection Using Machine Learning, 2021101766, <http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=2021101766&resultsPerPage=>
3. Design Patent: AI based Cyber Security Detecting and Alerting Device: 02/08/2024, Design No. 420937-001
4. Design Patent: Smart Farming Apparatus, Design No: 202314843, July 2023.
5. Design Patent: AI based Device for Monitoring Patient Health, Design No: 394634-001, 07/09/2023.
6. Patent Published: Method for Predicting Forecasting Stock Price Using Long Short Term Application No. 202311031057, 09/06/2023.
7. Patent Published: Method for Detection of Lane Line Using Histogram Images, Application No.202311031230 A, 09/06/2023.
8. Patent Published: IoT Based Electric Vehicles Monitoring System in Smart Cities, Application No.202211054656 A, 30/09/2022.

Books Edited and Published (10)

1. Sustainable Agriculture, Kumar, Sherin, ISBN: 9781032975016, 2025 (Upcoming)
2. Computational Intelligence Algorithms for the Diagnosis of Neurological Disorders (Edge AI in Future Computing) 1st Edition, by S. N. Kumar (Editor), Sherin Zafar (Editor), Sameena Naaz (Editor), ISBN-10 1032858907, ISBN-13 978-1032858906, Edition 1st, Publisher, CRC Press
3. Industry 5.0 for Smart Healthcare Technologies: Utilizing Artificial Intelligence, Internet of Medical Things and Blockchain (Edge AI in Future Computing) 1st Edition, by Sherin Zafar (Editor), S. N. Kumar (Editor), A. Ahilan (Editor), Gulsum Kurubacak Cakir (Editor), Publisher: CRC Press; 1st edition (August 13, 2024), Publication date : August 13, 2024, ISBN-13, 978-1040104835
4. Sustainable and Energy Efficient Computing Paradigms for Society (EAI/Springer Innovations in Communication and Computing) 1st ed. 2021 Edition, by Mohd Abdul Ahad (Editor), Sara Paiva (Editor), Sherin Zafar (Editor), Part of: EAI/Springer Innovations in Communication and Computing (129 books), ISBN-10 3030510697, ISBN-13 978-3030510695, Edition 1st ed. 2021.
5. Artificial Intelligence in Telemedicine: Processing of Biosignals and Medical images (Innovations in Multimedia, Virtual Reality and Augmentation) 1st Edition, by S. N. Kumar (Editor), Sherin Zafar (Editor), Eduard Babulak (Editor), M. Afshar Alam, ISBN-13 978-1000916249, Edition 1st, Publisher, CRC Press, Publication date, August 1, 2023.
6. Green Automation for Sustainable Environment (Green Engineering and Technology) 1st Edition, Kindle Edition, by Sherin Zafar (Editor), Mohd Abdul Ahad (Editor), M.

Afshar Alam (Editor), Kashish Ara Shakil (Editor), ISBN-13 978-1000190328 Edition 1st Publisher CRC Press Publication date September 28, 2020.

7. Proceedings of 4th International Conference on ICT for Digital, Smart, and Sustainable Development: ICIDSSD 2024 (Innovations in Sustainable Technologies and Computing) Kindle Edition, by Md Afshar Alam (Editor), Farheen Siddiqui (Editor), Sherin Zafar (Editor), Imran Hussain, Hardcover ISBN 978-981-97-7830-0, Published: 27 December 2024, Softcover ISBN, 978-981-97-7833-1, eBook ISBN, 978-981-97-7831-7, Published: 26 December 2024, Series ISSN, 2731-880X, Series E-ISSN 2731-8818.
8. Smart and Sustainable Approaches for Optimizing Performance of Wireless Networks: Real-time Applications 1st Edition, Kindle Edition, by Sherin Zafar (Editor), Mohd Abdul Ahad (Editor), Syed Imran Ali (Editor), Deepa Mehta (Editor), M. Afshar Alam (Editor), ISBN-10 9781119682530, ISBN-13, 978-1119682530, Edition, 1st Publisher Wiley.
9. Advancement, Opportunities, and Practices in Telehealth Technology, S.N. Kumar (Amal Jyothi College of Engineering, India), Sundaravaradhan Suresh (KPR Institute of Engineering and Technology, India), Padmanabhan Vivekananth (ISBAT University, Uganda), and Sherin Zafar (Jamia Hamdard, India), Release Date: May, 2022|Copyright: © 2022 |Pages: 342, DOI: 10.4018/978-1-6684-5231-8
10. Getting Research Grants: A Practical Guide, S Suresh, S N Kumar and Sherin Zafar, ISBN 13, 9789390658626, 2022.

Academic Record

- PhD from MRIIRS Faridabad on “Optimized Secure Protocol for MANET using Biometric Approach” with CGPA of 8.36 under the guidance of Prof. M.K Soni, Former Professor NIT Kurukshetra, and Prof. M.M.S Beg, Principal ZHCE, Aligarh Muslim University
- M.Tech Computer Engineering with 78% from TIT (RGPV) Bhopal.
- B.E. Computers with 75% aggregate from UIT (RGPV) Bhopal (2006 batch).
- Diploma in Computer Engineering with 81% aggregate from Sardar Vallabhai Polytechnic Bhopal (2003 batch).
- Intermediate with 65% aggregate.
- Matriculation with 76% aggregate CBSE Board from St. Joseph Convent School Bhopal.

Keynote Speaker/Resource Person/ Special Lecture/ Webinars/Session Chairs

Involved as Keynote Speaker, Editorial Member, Editor, TPC member, Reviewer, Resource Person, Invited Lecture, Session Chair for **150+** Conferences, FDP's, AICTE ATAL FDP's and STTP'S.

Seminars/Webinars/ Conferences/ FDP Attended

Attended around **100+** FDP's, seminars, webinars, conferences in the field of AI, Big Data, Machine Learning and other latest technologies.

Total Research Papers: 84

(WoS and Scopus- Journals/Book Chapters/Conferences)

Book Chapters (42)

1. Banday, M., Zafar, S., Agarwal, P., Alam, M.A. (2025). Utilizing Machine Learning Algorithms for Predictive Analysis of Diabetes. In: Bansal, J.C., Sharma, H., Chakravorty, A. (eds) Congress on Smart Computing Technologies. CSCT 2022. Smart Innovation, Systems and Technologies, vol 396. Springer, Singapore. https://doi.org/10.1007/978-981-97-8096-9_36.
2. Chaudhary, M., Afshar Alam, M., Zafar, S. (2025). Machine Learning for Management of Data: The Role of Machine Learning in Marketing Mix Modelling and Decision-Making. In: Hassanien, A.E., Anand, S., Jaiswal, A., Kumar, P. (eds) Innovative Computing and Communications. ICICC 2024. Lecture Notes in Networks and Systems, vol 1039. Springer, Singapore. https://doi.org/10.1007/978-981-97-4152-6_9
3. Afshan, Z., Zafar, S., Tanvir, S. (2024). Prediction of Water Quality Through Machine Learning: A Review. In: Hassanien, A.E., Anand, S., Jaiswal, A., Kumar, P. (eds) Innovative Computing and Communications. ICICC 2024. Lecture Notes in Networks and Systems, vol 1043. Springer, Singapore. https://doi.org/10.1007/978-981-97-4228-8_35
4. Chaudhary, M., Afshar Alam, M., Zafar, S. (2024). Explainable Artificial Intelligence Insight: An Orderly Survey. In: Mahapatra, R.P., Peddoju, S.K., Roy, S., Parwekar, P. (eds) Proceedings of International Conference on Recent Trends in Computing. ICRTC 2023. Lecture Notes in Networks and Systems, vol 954. Springer, Singapore. https://doi.org/10.1007/978-981-97-1724-8_11
5. Chopra, K., Zafar, S., Yadav, A. (2024). Dynamic Game Scheme-Based Interactive Sanitization Model to Mitigate Prognostic Reverberation of Covid-19. In: Hassanien, A.E., Anand, S., Jaiswal, A., Kumar, P. (eds) Innovative Computing and Communications. ICICC 2024. Lecture Notes in Networks and Systems, vol 1020. Springer, Singapore. https://doi.org/10.1007/978-981-97-3588-4_8
6. Lamiaa Mohammed Salem Akoosh, Farheen Siddiqui, Sherin Zafar, Sameena Naaz, M Afshar Alam, Anticipating the Nearness of Coronary Heart Infection Utilizing Machine Learning Classifiers, Procedia Computer Science, Volume 235, 2024, Pages 2619-2629, ISSN 1877-0509, <https://doi.org/10.1016/j.procs.2024.04.247>
7. Nizam, T., Zafar, S., Biswas, S.S., Hussain, I. (2024). Investigating the Quality of Explainable Artificial Intelligence: A Survey on Various Techniques of Post hoc. In: Kaiser, M.S., Xie, J., Rathore, V.S. (eds) Intelligent Strategies for ICT. ICTCS 2023. Lecture Notes in Networks and Systems, vol 941. Springer, Singapore. https://doi.org/10.1007/978-981-97-1260-1_13

8. Irfan, N., Zafar, S. (2023). A Self Diagnosis Medical Chatbot Using Sklearn. In: Swaroop, A., Kansal, V., Fortino, G., Hassanien, A.E. (eds) Proceedings of Fourth Doctoral Symposium on Computational Intelligence . DoSCI 2023. Lecture Notes in Networks and Systems, vol 726. Springer, Singapore. https://doi.org/10.1007/978-981-99-3716-5_18
9. Zafar, S., Kumar, S.N., Alam, M.A., ...Siddiqui, F., Babulak, E. Artificial Intelligence in Telemedicine: Artificial Intelligence in Telemedicine Processing of Biosignals and Medical Images, pp. 1-283 2023, [Artificial Intelligence in Telemedicine: Processing of Biosignals and](#)
10. Nizam, T., Zafar, S. (2023). Explainable Artificial Intelligence (XAI): Conception, Visualization and Assessment Approaches Towards Amenable XAI. In: Hassanien, A.E., Gupta, D., Singh, A.K., Garg, A. (eds) Explainable Edge AI: A Futuristic Computing Perspective. Studies in Computational Intelligence, vol 1072. Springer, Cham. https://doi.org/10.1007/978-3-031-18292-1_3
11. Yadav, A., Rathee, S., Shalu, Zafar, S. (2023). Natural Language-Based Naive Bayes Classifier Model for Sentence Classification. In: Gupta, D., Khanna, A., Bhattacharyya, S., Hassanien, A.E., Anand, S., Jaiswal, A. (eds) International Conference on Innovative Computing and Communications. Lecture Notes in Networks and Systems, vol 473. Springer, Singapore. https://doi.org/10.1007/978-981-19-2821-5_41
12. Owais Bukhari, Parul Agarwal, Deepika Koundal, Sherin Zafar, Anomaly detection using ensemble techniques for boosting the security of intrusion detection system, Procedia Computer Science, Volume 218, 2023, Pages 1003-1013, ISSN 1877-0509, <https://doi.org/10.1016/j.procs.2023.01.080>
13. Deepa Mehta, Sherin Zafar, Siddhartha Sankar Biswas, Nida Iftekhar, Samia Khan, Metaheuristics to Aid Energy-Efficient Path Selection in Route Aggregated Mobile Ad Hoc Networks, Book Editor(s): Sherin Zafar, Mohd Abdul Ahad, Syed Imran Ali, Deepa Mehta, M. Afshar Alam, First published: 04 February 2022 <https://doi.org/10.1002/9781119682554.ch12>
14. Smart and Sustainable Approaches for Optimizing Performance of Wireless Networks: Real-time Applications, Sherin Zafar (Editor), Mohd Abdul Ahad (Editor), Syed Imran Ali (Editor), Deepa Mehta (Editor), M. Afshar Alam (Editor), [Smart and Sustainable Approaches for Optimizing Performance of Wireless Networks: Real-time Applications | Wiley](#)
15. Siddiqui, F., Zafar, S., Khan, S., Iftekhar, N. (2022). Computer Vision Analysis of BRIEF and ORB Feature Detection Algorithms. In: Iyer, B., Crick, T., Peng, SL. (eds) Applied Computational Technologies. ICCET 2022. Smart Innovation, Systems and Technologies, vol 303. Springer, Singapore. https://doi.org/10.1007/978-981-19-2719-5_40
16. Bandy, M., Zafar, S., Siddiqui, F. (2022). Efficient Automated Disease Diagnosis Using Machine Learning Models. In: Iyer, B., Crick, T., Peng, SL. (eds) Applied Computational Technologies. ICCET 2022. Smart Innovation,

Systems and Technologies, vol 303. Springer, Singapore.
https://doi.org/10.1007/978-981-19-2719-5_21

17. Chaudhary, S., Amgai, R., Gupta, S.D., Iftekhar, N., Zafar, S., Mahto, A.K. (2022). Comparative Study of Static and Hybrid Analysis Using Machine Learning and Artificial Intelligence in Smart Cities. In: Rodrigues, J.J.P.C., Agarwal, P., Khanna, K. (eds) IoT for Sustainable Smart Cities and Society. Internet of Things. Springer, Cham. https://doi.org/10.1007/978-3-030-89554-9_9
18. Siddiqi, A.S., Zafar, S., Alam, M.A., Khan, S., Iftekhar, N., Biswas, S.S. (2022). Applying Predictive Analysis Methods for Detection of Driver Drowsiness. In: Mahapatra, R.P., Peddoju, S.K., Roy, S., Parwekar, P., Goel, L. (eds) Proceedings of International Conference on Recent Trends in Computing . Lecture Notes in Networks and Systems, vol 341. Springer, Singapore. https://doi.org/10.1007/978-981-16-7118-0_2
19. Siddiqi, A.S., Alam, M.A., Mehta, D., Zafar, S. (2022). Machine Learning-Based Predictive Analysis to Abet Climatic Change Preparedness. In: Khanna, K., Estrela, V.V., Rodrigues, J.J.P.C. (eds) Cyber Security and Digital Forensics . Lecture Notes on Data Engineering and Communications Technologies, vol 73. Springer, Singapore. https://doi.org/10.1007/978-981-16-3961-6_44
20. Siddiqi, A.S., Alam, M.A., Zafar, S., Khan, S., Iftekhar, N. (2022). Cognition of Driver Drowsiness to Inculcate Predictive Analysis. In: Khanna, K., Estrela, V.V., Rodrigues, J.J.P.C. (eds) Cyber Security and Digital Forensics. Lecture Notes on Data Engineering and Communications Technologies, vol 73. Springer, Singapore. https://doi.org/10.1007/978-981-16-3961-6_37
21. D'Costa, A.J., Biswas, S.S., Nafis, M.T., Alam, M.A., Zafar, S. (2021). Enterprise IoT Core Platform. In: Mahapatra, R.P., Panigrahi, B.K., Kaushik, B.K., Roy, S. (eds) Proceedings of 6th International Conference on Recent Trends in Computing. Lecture Notes in Networks and Systems, vol 177. Springer, Singapore. https://doi.org/10.1007/978-981-33-4501-0_65
22. Iftekhar, N., Warsi, M.R., Zafar, S., Khan, S., Biswas, S.S. (2021). A Neoteric Approach for Modeling and Conversion of RDBMS Using UML. In: Abraham, A., Castillo, O., Virmani, D. (eds) Proceedings of 3rd International Conference on Computing Informatics and Networks. Lecture Notes in Networks and Systems, vol 167. Springer, Singapore. https://doi.org/10.1007/978-981-15-9712-1_25
23. Ashu, Mahajan, R., Zafar, S. (2021). Investigation of DDoS Attacks Influence on Steering Data in Mobile E-healthcare Sector. In: Abraham, A., Castillo, O., Virmani, D. (eds) Proceedings of 3rd International Conference on Computing Informatics and Networks. Lecture Notes in Networks and Systems, vol 167. Springer, Singapore. https://doi.org/10.1007/978-981-15-9712-1_50
24. Ashu, Mahajan, R., Zafar, S. (2021). DDoS Attacks Impact on Data Transfer in IOT-MANET-Based E-Healthcare for Tackling COVID-19. In: Khanna, A.,

Gupta, D., Pólkowski, Z., Bhattacharyya, S., Castillo, O. (eds) Data Analytics and Management. Lecture Notes on Data Engineering and Communications Technologies, vol 54. Springer, Singapore. https://doi.org/10.1007/978-981-15-8335-3_24

25. Gautam, A., Mahajan, R., Zafar, S. (2021). QoS Optimization in Internet of Medical Things for Sustainable Management. In: Hassanien, A.E., Khamparia, A., Gupta, D., Shankar, K., Slowik, A. (eds) Cognitive Internet of Medical Things for Smart Healthcare. Studies in Systems, Decision and Control, vol 311. Springer, Cham. https://doi.org/10.1007/978-3-030-55833-8_10
26. Mohd Abdul Ahad, Sara Paiva, Sherin Zafar, Sustainable and Energy Efficient Computing Paradigms for Society, Series Title, EAI/Springer Innovations in Communication and Computing, <https://doi.org/10.1007/978-3-030-51070-1>
27. Zafar, S., Afshar Alam, M., Ahad, A., ...Tripathi, G., A Neoteric Smart and Sustainable Farming Environment Incorporating Blockchain-Based Artificial Intelligence Approach, Cryptocurrencies and Blockchain Technology Applications, pp. 197-213, 2020, <http://dx.doi.org/10.1002/9781119621201.ch11>
28. Afzal, A.H., Zafar, S., Afshar Alam, M. (2020). Iris Based Secured Newfangled System Procuring Miniaturized Prorogation. In: Batra, U., Roy, N., Panda, B. (eds) Data Science and Analytics. REDSET 2019. Communications in Computer and Information Science, vol 1230. Springer, Singapore. https://doi.org/10.1007/978-981-15-5830-6_5
29. Gautam, A., Zafar, S. (2020). ANN Based Direct Modelling of T Type Thermocouple for Alleviating Non-Linearity. In: Batra, U., Roy, N., Panda, B. (eds) Data Science and Analytics. REDSET 2019. Communications in Computer and Information Science, vol 1229. Springer, Singapore. https://doi.org/10.1007/978-981-15-5827-6_16
30. Iftekhar, N., Zafar, S., Khan, S., Biswas, S.S. (2020). Computational Hybrid Approaches for Routing and Security Optimization in Networks. In: Batra, U., Roy, N., Panda, B. (eds) Data Science and Analytics. REDSET 2019. Communications in Computer and Information Science, vol 1229. Springer, Singapore. https://doi.org/10.1007/978-981-15-5827-6_30
31. Neha Sharma, Usha Batra, Sherin Zafar, Remit Accretion in IOT Networks Encircling Ingenious Firefly Algorithm Correlating Water Drop Algorithm, Procedia Computer Science, Volume 167, 2020, Pages 551-561, ISSN 1877-0509, <https://doi.org/10.1016/j.procs.2020.03.316>
32. Sharma, N., Batra, U., Zafar, S. (2020). QoS Optimization in Networks Through Swarm Intelligence Algorithm for Sustainable Big Data Management. In: Singh, P., Panigrahi, B., Suryadevara, N., Sharma, S., Singh, A. (eds) Proceedings of ICETIT 2019. Lecture Notes in Electrical Engineering, vol 605. Springer, Cham. https://doi.org/10.1007/978-3-030-30577-2_50
33. Neha Sharma, Usha Batra, Sherin Zafar, A neoteric swarm intelligence stationed IOT-IWD algorithm for revolutionizing pharmaceutical industry leading to digital health, Editor(s): Valentina Emilia Balas, Vijender Kumar Solanki, Raghvendra Kumar, Emergence of Pharmaceutical Industry Growth with

- Industrial IoT Approach, Academic Press, 2020, Pages 1-19, ISBN 9780128195932, <https://doi.org/10.1016/B978-0-12-819593-2.00001-7>
34. Ahad, M.A., Tripathi, G., Zafar, S., Doja, F. (2020). IoT Data Management—Security Aspects of Information Linkage in IoT Systems. In: Peng, S.L., Pal, S., Huang, L. (eds) Principles of Internet of Things (IoT) Ecosystem: Insight Paradigm. Intelligent Systems Reference Library, vol 174. Springer, Cham. https://doi.org/10.1007/978-3-030-33596-0_18
 35. Zafar, S. (2019). Utilizing Big Data for Health Care Automation: Obligations, Fitness and Challenges. In: Balas, V., Solanki, V., Kumar, R., Khari, M. (eds) Internet of Things and Big Data Analytics for Smart Generation. Intelligent Systems Reference Library, vol 154. Springer, Cham. https://doi.org/10.1007/978-3-030-04203-5_12
 36. Sherin Zafar Parallel Computing Contrive Optimized NFB Through QEEG & LENS Approach, Pages 453-478, Advances in Parallel Computing E-book Volume 29: Data Intensive Computing Applications for Big Data, 10.3233/978-1-61499-814-3-453
 37. Deepa, M., Indu, K., Sherin, Z. (2018). Neoteric RA Approach for Optimization in ZRP. In: Panda, B., Sharma, S., Batra, U. (eds) Innovations in Computational Intelligence. Studies in Computational Intelligence, vol 713. Springer, Singapore. https://doi.org/10.1007/978-981-10-4555-4_8
 38. Sherin, Z., Deepa, M. (2018). Neoteric Iris Acclamation Subtlety. In: Panda, B., Sharma, S., Batra, U. (eds) Innovations in Computational Intelligence. Studies in Computational Intelligence, vol 713. Springer, Singapore. https://doi.org/10.1007/978-981-10-4555-4_1
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Technologies. CSCT 2022. Smart Innovation, Systems and Technologies, vol 396. Springer, Singapore. https://doi.org/10.1007/978-981-97-8096-9_36

Other Achievements:

1. Runner Up Women's Doubles Intra Faculty Badminton Tournament 20-22February 2018.
2. President of S.V Poly for the session 2002-03.Vice President of S.V Poly for the session 2001-2002.
3. Best student for two successive years of S.V Poly. Best debater, best essay writer, best stage plays during cultural events of session 02-03.
4. Member of publishing team of college magazine "Aayam" Creator of many articles and poems for the college magazine.
5. Member of Intra school kho-kho and kabaddi team. Won various medals and certificates in school athletics and debate competitions.
6. First PhD completion of batch 2011-12 with highest CGPA of 8.36.
7. Secured First division in all the semesters of B.E. having position amongst the second topper of my class. Secured First division with honors in the final Diploma, All MP III Ranker in merit list of RGPV Diploma course in C.S.E.
8. Offered lecturer and Assistant Professor posts in: Surajmal Engineering College, IP University, New Delhi (2007), Shiv Nadar University (2011), Greater Noida, Manav Rachna International University(2011), Faridabad, Lingayas University(2011), Faridabad, KCC College of Engineering, UPTU (2015), Greater Noida, Princess Noorah and King Khalid University KSA.

E-content / Development of Innovative Pedagogy

S.No	Name of the module developed	Platform on which module is developed	Date of launching e content	List of the e-content development facility available	Provide link to videos of the media centre and recording facility
1	BLOCK CHAIN AI IOT A PERFECT FIT	AICTE ATAL FDP BLOCK CHAIN AND APPLICATIONS POORNIMA INSTITUTE	Sep 21-25 2021	https://youtu.be/f_S1GO4NbY	https://youtu.be/f_S1GO4NbY
2	STRESS IN TEACHING-COVID 19 SCENARIO	AICTE ATAL SPONSORED ON STRESS MANAGEMENT	July 26-30 2021	https://youtu.be/vOralC13xA0	https://youtu.be/vOralC13xA0
3	Public, Private & Distributed ledgers By Dr Sherin Zafar Assistant Professor Jamia Hamdard New Delhi	AICTE ATAL SPONSORED ON BLOCK CHAIN	Sep 17 2020	https://youtu.be/jqWnY5K2V_Q	https://youtu.be/jqWnY5K2V_Q

4	MANAGING STRESS	AICTE ATAL SPONSORED ON STRESS MANAGEMEN	July 26-30 2021	https://youtu.be/z9W57IS_Fg	https://youtu.be/z9W57IS_FFg
5	STRESS INTERVENTIONS	AICTE ATAL SPONSORED ON STRESS MANAGEMEN	July 26-30 2021	https://youtu.be/z9W57IS_Fg	https://youtu.be/z9W57IS_FFg
6	Will Covid Impact Placement for Freshers	MIND SPARKLE SERIES	AUG 10 2020	https://youtu.be/MyX9N5tV2fQ	https://youtu.be/MyX9N5tV2fQ
7	Introduction to Tableau & Applications of Tableau	AICTE ATAL STTP DATA VISUALIZATION TOOL FOR RESEARCHERS	AUG 4 2020	https://youtu.be/XzeePAoVX9I	https://youtu.be/XzeePAoVX9I
8	DATA VISUALIZATION TOOL FOR RESEARCHERS	AICTE ATAL Session 4 -Big Data Analytics and its Research Issues	AUG 25 2020	https://youtu.be/vMM4yCSKEDM	https://youtu.be/vMM4yCSKEDM
9	DATA VISUALIZATION TOOL FOR RESEARCHERS	AICTE ATAL Slot III - Session 5 - Introduction to Tableau & Applications of Tableau	AUG 31-5 SEPTEMBER 2020	https://youtu.be/vYv4IDFjxIQ	https://youtu.be/vYv4IDFjxIQ
10	DATA VISUALIZATION TOOL FOR RESEARCHERS	AICTE ATAL Slot III - Session 6 - Fundamentals of Visualization with Tableau	AUG 31-5 SEPTEMBER 2020	https://youtu.be/MrdYoejG4MY	https://youtu.be/MrdYoejG4MY
11	DATA VISUALIZATION TOOL FOR RESEARCHERS	AICTE Slot III - Session 4 - Big Data Analytics and its Research issues	AUG 31-5 SEPTEMBER 2020	https://youtu.be/EPzRqFW7vBc	https://youtu.be/EPzRqFW7vBc
12	Security Issues in IoT	AICTE ATAL FDP on Internet of Things - Session 14	OCT 3 2020	https://youtu.be/EKcIDkO6ivc	https://youtu.be/EKcIDkO6ivc
13	FUNDAMENTALS OF VISUALIZATION WITH TABLEAU	AICTE ATAL IFET CSE Fundamentals of Visualization with Tableau	JULY 27-AUG 1 2020	https://youtu.be/cbIWm1MyQt8	https://youtu.be/cbIWm1MyQt8
14	MATHEMATICAL ANALYSIS	AICTE MODERN	AUG 10-14 2020	https://youtu.be/FZ7TqJMUkbY	https://youtu.be/FZ7TqJMUkbY

	INTO INTERACTIVE VISUALIZATION USING TABLEAU	MATHEMATICAL TOOLS FOR CALCULAS AND ANALYSIS			
15	Machine Learning and Block chain for IoT	AICTE ATAL FDP on Internet of Things - Session 13	OCT 3 2020	https://youtu.be/AWd5_qNV_Es	https://youtu.be/AWd5_qNV_Es
16	IOT DEVELOPMENT PLATFORMS	ATAL FDP on Internet of Things - Session 7	OCT 3 2020	https://youtu.be/bvYftleDV8c	https://youtu.be/bvYftleDV8c
17	INTEGRATION OF BLOCK CHAIN	AICTE ATAL FDP Day 3 Session 1	SEP 23 2021	https://youtu.be/3xsPPzO5txU	https://youtu.be/3xsPPzO5txU
18	"Basics of Research and Techniques"	DAY 6 Session 1 Capacity Building Programme	AUG 22 2020	https://youtu.be/a63gDOkoZKQ	https://youtu.be/a63gDOkoZKQ
19	INNOVATION AND CREATIVITY ON DESIGN THINKING USING CRITICAL AI AND TABLEAU	LECTURE IN MAHENDRA ENGINEERING COLLEGE AS AN IIC SESSION:	Jan 18, 2023	https://youtu.be/ykFtSC9KKjo?si=WvkctpefJy8NTxee	INNOVATION AND CREATIVITY ON DESIGN THINKING USING CRITICAL AI AND TABLEAU
20	Sustainable Development Goals	vIRSD 202	Dec 25, 2023	https://www.youtube.com/watch?v=pnqOotHkqT4	Dr. Sherin Zafar - vIRSD 2023 Sustainable Development Goals (youtube.com)
21	Innovating the Future: Exploring the Synergy of Design Thinking and AI - Dr. Sherin Zafar	Global Edu Conclave	Sep 5, 2023	https://www.youtube.com/watch?v=m5nlo7-cEE0	(118) Innovating the Future: Exploring the Synergy of Design Thinking and AI - Dr. Sherin Zafar - YouTube
22	BLOCKCHAIN AI IOT A PERFECT FIT	AICTE ATAL FDP BLOCK CHAIN AND APPLICATIONS POORNIMA INSTITUTE	Sep 21-25 2021	https://youtu.be/f_S1GO4NbY	AICTE ATAL FDP Day 3 Session 1 By Dr Sherin Zafar
23	STRESS IN TEACHING	AICTE ATAL SPONSORED ON STRESS MANAGEMENT	July 26-30 2021	https://youtu.be/vOralC13xA0	AICTE ATAL FDP on Stress Management Day 2 Session 3
24	Managing Stress	AICTE ATAL SPONSORED	July 26-30 2021	https://youtu.be/z9W57IS_Fg	AICTE ATAL FDP on Stress Management Day 2 Session 1

		ON STRESS MANAGEMENT			
25	The Role of Artificial Intelligence in Implementing NEP 2022: Challenges and Opportunities	NEP 2020 Orientation & Sensitization	8th Feb 2025	https://youtu.be/FSRWPmgFWmc	NEP 2020 Orientation & Sensitization 8th Feb 2025