

Curriculum Vitae



Jyotir Moy Chatterjee
Male, Indian
Kathmandu, Nepal-44600
Phone: +977-9880025647
E-Mail: jyotirchatterjee@gmail.com
Website: <https://sites.google.com/view/jyotirmoychatterjee>

Research Outcome

Research Metrics	Count
Citations (Google Scholar)	901
Citations (ResearchGate)	793
Citations (Scopus)	458
Citations (Web of Science)	302
h-index (Google Scholar)	15
h-index (ResearchGate)	13
h-index (Scopus)	10
h-index (Web of Science)	08
g-index (Google Scholar)	29
i10-index (Google Scholar)	22
Patent	01
RG Score (ResearchGate)	25.57
Cumulative Impact Factor	39.514

Objective

Dedicated, enthusiastic individual with good academic, communication, organizational, and interpersonal skills and a passion for teaching so searching for a faculty position in Computer Science & Engineering field.

Synopsis

- M. Tech (Computer Science & Engineering) from **Kalinga Institute of Industrial Technology**, Bhubaneswar-24.
- B. Tech (Computer Science & Engineering) from **Dr. MGR Educational and Research Institute**, Chennai-95.
- Ability in learning new concepts quickly, working well under pressure, and communicating ideas effectively.
- Adeptness in handling multiple priorities, with a genuine interest in personal and professional development.
- Excellent team player & an effective communicator with strong analytical, leadership, interpersonal skills as well as the ability to work effectively in a fast-paced environment.

Work Experience

- Currently working as **Assistant Professor** in *Department of IT* at **Lord Buddha Education Foundation (Asia Pacific University of Technology & Innovation)**, Kathmandu, Nepal from July 2018.

- Worked as **Assistant Professor** in *Department of CSE* at **GD Rungta College of Engineering & Technology (Chhattisgarh Swami Vivekananda Technical University)**, Bhilai from December 2016 till June 2018.
- Deputed as **Assistant Center Superintendent** for CSVTU University Examinations from February 2017 till June 2018.
- Deputed as **Vigilance Committee Member** for **GD-RCET**, Bhilai from 31.01.2018 till 08.06.2018.

Achievements

1. Got 3rd Rank from Nepal in Scimago Journal Ranks Ranking & HCERES 2019 Ranking.
2. Got 4th rank from Nepal in ABDC Journal Quality List 2019 Ranking & FMS Journal Rating Guide 2020 Ranking.
3. Got 7th Rank from Nepal in CABS Academic Journal Guide 2018 Ranking.
4. Got included in the World Scientist and University Rankings 2021 by AD Scientific Index Country Rank 14597) <https://www.adscientificindex.com/index.php?con=&tit=&q=jyotir+>
5. Selected as Top 1% of reviewers in Computer Science on Publons global reviewer database 2019 powered by Web of Science Group.
6. Won 3rd prize for the online article titled “*Artificial Intelligence for Human Resource Operations in Data Science Foundation*” <https://datascience.foundation/datatalk/artificial-intelligence-for-human-resource-operations>
7. Best paper award for “*Fog Computing-Beginning of a New Era*” in PARAS 2017 (Parthivi College of Engineering & Management, Bhilai).
8. Winner of Best Concept Movie Award (Short-Film) in Intra College Cultural Fest CENOZOIC’11 in Chennai.

Education

Year	Qualification	University / Board	% / CGPA
2014-2016	M. Tech (Computer Science & Engineering)	Kalinga Institute of Industrial Technology, Bhubaneswar-24	8.27(CGPA)
2009-2013	B. Tech (Computer Science & Engineering)	Dr. MGR Educational and Research Institute, Chennai-95	7.61(CGPA)
2009	Intermediate (Science)	Central Board of Secondary Education	61%
2006	Matriculation	Central Board of Secondary Education	61%

Technical Skills

Languages	Java, C++, HTML
RDBMS	Oracle, DB2
OS	Windows XP, 7, 8, Linux (Ubuntu)
Area of Interest	Data Mining, Machine Learning & Internet of Things

Certification and Training

- IBM Certified Associate System Administrator Lotus Notes & Domino 8 in March 2012.
- ORACLE Database 10g Administrator Certified Associate in June 2012.
- 2-week training at INDIAN SCHOOL OF MINES, during Jan2011 in STUDY OF FUNDAMENTALS OF PROLOG AND LISP PROGRAMMING.
- 2-week training at Dr. MGR Educational and Research Institute University during, March 2012 in ASP.NET/.NET FRAMEWORK.

Subjects Taught

- Data Mining & Data Warehouse in B. E (CSE) 8th Semester

- Enterprise Resource Planning in B. E (CSE) 6th Semester
- Numerical Methods & Computer Programming in B.E. (Civil) 5th Semester
- Operating Systems in B.E. (CSE) 4th Semester
- Computer Concepts & Web Technology in B.E. (CSE) 3rd Semester
- Computer Fundamentals and Application in Diploma 2nd Semester (Civil & Mechanical)
- Computer Basics in 1st year (Diploma & B.E.)
- Research Methodology in Computer Engineering in M. Sc (ITM) 3rd Semester
- Managing Software & Developing Projects in M. Sc (ITM) 3rd Semester
- Software Design & Development in M. Sc (ITM) 1st Semester
- Advanced Database in B. Sc (IT) 6th Semester
- Investigation Research in B. Sc (IT) 5th Semester
- Project Management in B. Sc (IT) 5th Semester
- Research Methodology in Computing Technology in B. Sc (IT) 4th Semester
- System Network Administration in B. Sc (IT) 3rd Semester
- Creativity & Innovation in B. Sc (IT) 3rd Semester
- Operating System & Computer Architecture in B. Sc (IT) 2nd Semester
- Research Methodology in Engineering & Technology in B. Sc (IT) in 5th Semester
- Undergraduate Projects (IT) in 6th Semester

Project & Thesis guidance

- B.E project- 05
- B. Sc (IT)- 31
- M. Tech project- 02
- M. Sc (IT)- 20

Academic Projects & Thesis

1. **Title:** Online Blood Donor Database
Platform: Eclipse IDE, IBM DB2, and IBM Web Sphere
Description: It is a 3-Tier application project. The whole objective of the project is an online edge for bringing mutually giving blood donors, blood banks that need blood. The primary objective of the project is to create an interactive Blood donor, Blood requesters, and Blood bank clinics. This web application is to be conceived in its current form as a dynamic site requiring constant updates both from the blood donors as well as the blood banks and is to enable blood donors (Volunteer) to place their profile and blood requesters (patients) to publish their requests.
2. **Title:** E-Health Care Advisor
Platform: IBM RAD and IBM DB2
Description: It is a 3-Tier application project. The main objective of this project is to implement a computer-based Healthcare Information System. This system will help the users to identify certain diseases by answering certain questions asked by the system. Based on the diagnose received the user will be getting some suggestions of medicines that are available at the local chemist without prescription with advice to visit the doctor. The system once ready should be able to train itself with the feedback given to it (Artificial Intelligence).
3. **M. Tech Thesis Title:** Privacy Preservation in Data-Intensive Environment
Platform: MATLAB, R Studio, Minitab, ARX Data Anonymization Tool
Description: Healthcare data frameworks have enormously expanded the accessibility of medicinal reports and profited human services administration and research work. In many cases, there are developing worries about protection in sharing restorative files. Protection procedures for the unstructured restorative content spotlight on recognition and expulsion of patient identifiers from the content, which might be lacking for safeguarding privacy and information utility. For medicinal

services, maybe related exploration thinks about the therapeutic records of patients ought to be recovered from various destinations with various regulations on the divulgence of healthcare data. Considering delicate social insurance data, privacy protection is a significant concern, when patients' medicinal services information is utilized for exploration purposes. In this work, I have used feature selection for getting the best feature set to be selected for privacy preservation by using PCA (Principal Component Analysis). After that, I have used two methods K-anonymity and fuzzy method for providing privacy on medical databases in data-intensive environments. The results affirm that the proposed approach has better performance than those of the related works concerning factors such as highly sensitive data preservation with k-anonymity.

Journal Publications (SCIE)

2021

1. R. Sujatha, B. Venkata Siva Krishna, Jyotir Moy Chatterjee, P. Rahul Naidu, NZ Jhanjhi, Challa Charita, Eza Nerin Mariya, Mohammed Baz. (2021). Prediction of Suitable Candidates for COVID-19 Vaccination. *Intelligent Automation & Soft Computing* (In Press). **(JCR IF 1.647)**
2. Khairandish, M. O., Sharma, M., Jain, V., Chatterjee, J. M., & Jhanjhi, N. Z. (2021). A Hybrid CNN-SVM Threshold Segmentation Approach for Tumor Detection and Classification of MRI Brain Images. *IRBM*. **(JCR IF 1.856)**
3. R. Sujatha, Jyotir Moy Chatterjee, NZ Jhanjhi, Thamer A. Tabbakh, and Zahrah A. Almusaylim. (2021). Heart Failure Patient Survival Analysis with Multi Kernel Support Vector Machine. *Intelligent Automation & Soft Computing* (In Press). **(JCR IF 1.647)**
4. Sujatha, R., Mareeswari, V., Chatterjee, J. M., Abd Allah, A. M., & Hassanien, A. E. (2021). A Bayesian Regularized Neural Network for Analyzing Bitcoin Trends. *IEEE Access*, 9, 37989-38000. **(JCR IF 3.367)**
5. Rathore, P. S., Chatterjee, J. M., Kumar, A., & Sujatha, R. (2021). Energy-efficient cluster head selection through relay approach for WSN. *The Journal of Supercomputing*, 1-27. **(JCR IF- 2.474)**
6. Sujatha, R., Chatterjee, J. M., Jhanjhi, N. Z., & Brohi, S. N. (2021). Performance of deep learning vs machine learning in plant leaf disease detection. *Microprocessors and Microsystems*, 80, 103615. **(JCR IF- 1.525)**

2020

7. Radhakrishnan, S., Lakshminarayanan, A. S., Chatterjee, J. M., & Hemanth, D. J. (2020). Forest data visualization and land mapping using support vector machines and decision trees. *Earth Science Informatics*, 1-19. **(JCR IF-2.878)**
8. Dhamodharavadhan S, Rathipriya R, and Jyotir M. Chatterjee. (2020). COVID-19 Mortality Prediction for India using Statistical Neural Network Models. *Frontiers in Public Health*, 8. **(JCR IF- 3.709)**
9. Iwendi, C., Bashir, A.K., Peshkar, A., Sujatha, R., Chatterjee, J.M., Pasupuleti, S., Mishra, R., Pillai, S., and Jo, O. (2020). COVID-19 Patient health prediction using boosted random forest algorithm. *Frontiers in public health*, 8, 357. **(JCR IF-3.709)**
10. Sujath, R., Chatterjee, J. M., & Hassanien, A. E. (2020). A machine learning forecasting model for COVID-19 pandemic in India. *Stochastic Environmental Research and Risk Assessment*, 1. **(JCR IF-3.379)**

2019

11. Vu Viet Nguyen, Binh Thai Pham, Ba Thao Vu, Indra Prakash, Sudan Jha, Himan Shahabi, Ataollah Shirzadi, Dong Ba Nguyen, Raghvendra Kumar Agrawal, Jyotir Moy Chatterjee, Dieu Tien Bui. (2019). Hybrid Machine Learning Approaches for Landslide Spatial Prediction. *Forests* 10(2), 157. **(JCR IF-2.633)**
12. Pham Hai Son, Le Hoang Son, Sudan Jha, Raghvendra Kumar, Jyotir Moy Chatterjee (2019), "Governing Mobile Virtual Network Operators in Developing Countries", *Utilities Policy*, 56, 169 – 180. **(JCR IF-2.812)**

13. Jha, S., Kumar, R., Chatterjee, J. M., & Khari, M. (2019). Collaborative handshaking approaches between internet of computing and internet of things towards a smart world: a review from 2009–2017. *Telecommunication Systems*, 70(4), 617-634. (JCR IF-2.314)

2018

14. Le Hoang Son, Francisco Chiclana, Raghavendra Kumar, Mamta Mittal, Manju Khari, Jyotir Moy Chatterjee, Sung Wook Baik (2018), “ARM-AMO: An Efficient Association Rule Mining Algorithm Based on Animal Migration Optimization”, *Knowledge-Based Systems* (JCR IF-8.038).

Journal Publications (SCOPUS)

2020

15. R. Sujatha, Aakarsh Teja, Podapati Naveen, Jyotir Moy Chatterjee, Aarthy SL, Aboul Ella Hassanien. (2020). Web Application for Traffic Monitoring and Guidance. *Journal of System and Management Sciences (JSMS)*, 10(4), pp.1-14.
16. Sujatha R, Aarthy SL, Jyotir Moy Chatterjee, A. Alaboudi, NZ Jhanjhi. (2020). A Machine Learning Way to Classify Autism Spectrum Disorder. *International Journal of Emerging Technologies in Learning (iJET)*, 16(6). (Q2 Scopus)
17. Swain, Munmun, Kisan, Sumitra, Chatterjee, Jyotir Moy, Supramaniam Mahadevan, Mohanty, Sachi Nandan, Jhanjhi, NZ, Abdullah, Azween. (2020). Hybridized Machine Learning based Fractal Analysis Techniques for Breast Cancer Classification. *International Journal of Advanced Computer Science and Applications (IJACSA)*, 11(10), pp. 1-7. (SCOPUS-ESCI Q4)
18. Pattnaik, C. R., Mohanty, S. N., Mohanty, S., Chatterjee, J. M., Jana, B., & Diaz, V. G. (2020). A fuzzy multi-criteria decision-making method for purchasing life insurance in India. *Bulletin of Electrical Engineering and Informatics*, 10(1), 344-356 (SCOPUS Q3).
19. E. P. Ephzibah, R. Sujatha, Jyotir Moy Chatterjee (2020). An Adaptive Neuro-Fuzzy Inference for Blockchain-based Smart Job Recommendation system. *International Journal of Information and Decision Sciences* (SCOPUS-in press Q3).
20. Kumar, A., Chatterjee, J. M., & Díaz, V. G. (2020). A novel hybrid approach of SVM combined with NLP and probabilistic neural network for email phishing. *International Journal of Electrical & Computer Engineering* (2088-8708), 10 (SCOPUS Q2).

2018

21. Sudan Jha, Raghvendra Kumar, Le Hoang Son, Jyotir Moy Chatterjee, Manju Khari, Navneet Yadav, Florentin Smarandache (2018), “Neutrosophic soft set decision making for stock trending analysis”, *Evolving Systems* (SCOPUS Q2).

2017

22. Jyotir Moy Chatterjee, Le Hoang Son, Srijani Ghatak, Raghvendra Kumar, Manju Khari (2017), “BitCoin Exclusively Informational Money: A Valuable Review from 2010 to 2017”, in *Quality & Quantity*, pp.1-18 (SCOPUS Q2).

Journal Publications (Others)

2021

1. Shakya, V., Chatterjee, J. M., & Thakur, R. N. (2021). Network Security and Its Impact on Business Strategy: A Case Study on E-Commerce Site Daraz. Com. Network Security, 3(1).
2. Timsina, A., & Chatterjee, J. M. (2021). Technical Challenges with Adoption of IoT in Implementation of Smart Cities in Nepal. cities, 3(1).
3. Manandhar, B., & Chatterjee, J. M. The Impacts of Information System on Supply Chain Management on Selected Cement Companies of Nepal.

2020

4. Jain, A., Kumar, A., Chatterjee, J. M., & Rathore, P. S. (2020). An assessment of classification with a hybrid methodology for neural network classifier against different classifier. **International Journal of Collaborative Intelligence**, 2(2), 83-93.
5. Aryal, B., & Chatterjee, J. M. (2020). Scope & Challenges of Mobile Number Portability in Nepal'. unpublished work, Asia Pacific University.
6. Sujatha, R., Chatterjee, J., & Hassanien, A. ella. (2020). A machine learning methodology for forecasting the COVID-19 cases in India. DOI: [10.36227/techrxiv.12143685.v1](https://doi.org/10.36227/techrxiv.12143685.v1)
7. Chataut A, Chatterjee J. M, Rouniyar R. S. DEPRESSIKA: An Early Risk of Depression Detection through Opinions. *Orient.J. Comp. Sci. and Technol*;13(1).
8. Rouniyar, Rabi & Chatterjee, J. M. A Framework for Implementation Challenges in Bigdata Enabled Smart Health Monitoring System-A Study Focused in Nepal Context.

2019

9. Giri S, Thakur R. N, Chatterjee J. M. QoS Priorities in ERP Implementation – A Study of Manufacturing Industry of Nepal. *Orient. J. Comp. Sci. and Technol*; 12(4).
10. Buddhacarya, K., & Chatterjee, J. M. E-Governance in Nepal: The Challenges in The Implementation of The National Identity Card in Nepal.
11. Maharjan, R., & Chatterjee, J. M. Adoption and Impacts of Robots in Service Sectors of Nepal.
12. Sah, U. K., & Chatterjee, J. M. PLANTRECOG-An Approach of Automatic Plant Species Recognition by Leaf Using Convolution Neural Network (CNN).
13. Shrestha, Ranjit & Chatterjee, J. M. Heart Disease Prediction System Using Machine Learning.
14. Maharjan, R., & Chatterjee, J. M. Framework for Minimizing Cyber Security Issues in Banking Sector of Nepal.
15. Dongol, R., & Chatterjee, J. M. Robust Security Framework for Mitigating Cyber Threats in Banking Payment System: A Study of Nepal.
16. Abhishek Kumar, Jyotir Moy Chatterjee, Pramod Rathore (2019). Smartphone confrontational applications and security issues. **International Journal of Risk and Contingency Management (IJRCM)** 9(2).
17. Yadav, M., & Chatterjee, J. M. (2018). Study of Privacy Issues in Internet of Things. **Global Journal on Application of Data Science and Internet of Things** [ISSN: 2581-4370 (online)], 2(2).
18. Chatterjee, J. M. (2018). Bioinformatics Using Machine Learning. **Global Journal of Internet Interventions and IT Fusion**, 1(1).

2018

19. Chatterjee, J.M., Kumar, R., Pattnaik, P.K., Solanki, V.K., & Zaman, N. (2018). Privacy preservation in the data-intensive environment, **Tourism & Management Studies**, 14(2), 72-79 (SciELO-WoS).
20. Acharya, B., Jena, A. K., Chatterjee, J. M., Kumar, R., & Le, D. N. (2019). NoSQL Database Classification: New Era of Databases for Big Data. **International Journal of Knowledge-Based Organizations (IJKBO)**, 9(1), 50-65. (ACM DL)
21. Chatterjee, J. M., Kumar, R., Khari, M., Hung, D. T., & Le, D. N. (2018). Internet of Things based system for Smart Kitchen.
22. Govind Narayan, Jyotir Moy Chatterjee, "Intrusion Detection Based on Anomaly Using Artificial Neural Network ", Volume 6, Issue VI, **International Journal for Research in Applied Science and Engineering Technology (IJRASET)** Page No:11-14, ISSN: 2321-9653.
23. Govind Narayan, Jyotir Moy Chatterjee, "A Review on Intrusion Detection System and Various Attacks on Network", Volume 6, Issue VI, **International Journal for Research in Applied Science and Engineering Technology (IJRASET)** Page No:46-50, ISSN: 2321-9653.
24. Chatterjee, Jyotir Moy, "IoT with Big Data Framework using Machine Learning Approach", **International Journal of Machine Learning and Networked Collaborative Engineering**, Vol. 02 No. 02, 2018, pp. 073–082.
25. Raghvendra Kumar, Dac-Nhuong Le, Jyotir Moy Chatterjee, "Validation Lamina for maintaining confidentiality within the Hadoop", in **International Journal of Information Engineering and Electronic Business**, Vol-10(2), pp.42-50, Mar 2018.

26. Shrinkhala Shinghai and Jyotir Moy Chatterjee “Quantum Computing: The Future of Computing”, in *International Journal of Engineering Research & Technology (NCANA-2018)*, Volume-6, Issue-01, January 2018, pp.01-04.
27. Somesh Kumar Dewangan and Jyotir Moy Chatterjee “Nanotechnology: A Revolution in Technology”, in *International Journal of Engineering Research & Technology (NCANA-2018)*, Volume-6, Issue-01, January 2018, pp.33-35.

2017

28. Jyotir Moy Chatterjee “Fog Computing: Beginning of a New Era in Cloud Computing”, in *International Research Journal of Engineering & Technology*, Volume-4, Issue-05, May 2017, pp. 735-740.
29. Jyotir Moy Chatterjee “Privacy Preservation in Data Centric Environment: Analysis and Segregation”, in *International Journal of Engineering Research & Technology*, Volume-6, Issue-05, May 2017, pp.56-62.
30. Manju Khari, Raghvendra Kumar, Dac-Nhuong Le, Jyotir Moy Chatterjee, “Interconnect Network on Chip Topology in Multi-Core Processors: A Comparative Study”, in *International Journal of Computer Network and Information Security*, Vol-9(11), pp.52-62, Nov 2017.
31. Jyotir Moy Chatterjee, Somesh Dewangan, "Nanocomputing & Its Future Trends", *International Journal of Advance Computational Engineering and Networking (IJACEN)*, Volume-5, Issue-11, pp 1-2, Nov-2017.
32. Pranali Foley, Jyotir Moy Chatterjee, "Association Rule Mining using Negative Association Rule Mining (NARM)", *International Journal of Advance Computational Engineering and Networking (IJACEN)*, Volume-5, Issue-11, pp 3-6, Nov-2017.
33. Somesh Kumar Dewangan, Jyotir Moy Chatterjee, Pintu Sahu, "A Study of Web Based Blood Donation System", *International Journal of Advance Computational Engineering and Networking (IJACEN)*, Volume-5, Issue-11, pp 20-21, Nov-2017.
34. Somesh Dewangan, Shivendra Shivani, Lokesh Singh, Siddharth Choubey, Jyotir Moy Chatterjee, "Using Strength Factors Fingerprint Verification based Ridges", *International Journal of Advance Computational Engineering and Networking (IJACEN)*, Volume-5, Issue-11, pp 22-27, Nov-2017.
35. Jyotir Moy Chatterjee, Somesh Dewangan, "Bio Computers - Trends & Applications", *International Journal of Advance Computational Engineering and Networking (IJACEN)*, Volume-5, Issue-11, pp 28-32, Nov-2017.
36. Somesh Kumar Dewangan, Jyotir Moy Chatterjee, Srijani Ghatak, "To Study on Remotely Sensed Image Intelligent Interpretation", *International Journal of Advance Computational Engineering and Networking (IJACEN)*, Volume-5, Issue-11, pp 42-44, Nov-2017.
37. Somesh Kumar Dewangan, Siddharth Choubey, Jyotir Moy Chatterjee, Shajid Ansari, "A Survey on Remote Sensing Network", *International Journal of Advance Computational Engineering and Networking (IJACEN)*, Volume-5, Issue-11, pp 45-47, Nov-2017.
38. Aarti Prajapati, Arpita Sen, Roshni Meravi, Jyotir Moy Chatterjee, "Green Computing: Trends and Applications", *International Journal of Advance Computational Engineering and Networking (IJACEN)*, Volume-5, Issue-11, pp 48-50, Nov-2017.
39. Srijani Ghatak, Jyotir Moy Chatterjee, Ritesh Kumar Ram, Somesh Dewangan, "A scrutinized Study on Robotics Mechanism & Capability Evaluation", *International Journal of Advance Computational Engineering and Networking (IJACEN)*, Volume-5, Issue-11, pp 60-62, Nov-2017.
40. Somesh Kumar Dewangan, Jyotir Moy Chatterjee, "A Study Report on Image Segmentation Techniques", *International Journal of Advance Computational Engineering and Networking (IJACEN)*, Volume-5, Issue-11, pp 71-75, Nov-2017.
41. Gagandeep Kaur and Jyotirmoy Chhaterji, “Study of Techniques used for Medical Image Segmentation”, in *International Journal of Informative & Futuristic Research*, Vol.5(1), pp.8701-8709
42. Gagandeep Kaur and Jyotirmoy Chhaterji “A survey on Medical Image Segmentation”, in *International Journal of Science & Research*, Volume-6, Issue-05, May 2017, pp.1305-1311.

43. Shrinkhala Singhai, Nagma Afroz, Jyotir Moy Chatterjee, "Fog Computing-The Beginning of a New Era" in *International Seminar on Utilization of Non-Conventional Energy Sources for Sustainable Development of Rural Areas*.

Conference Publications

2021

1. Pandey, A. K., Janghel, R. R., Kumar, S. S., Kumar, T. S., & Moy, J. (2021, January). CoronaGo Website Integrated with Chatbot for COVID-19 Tracking. In CEUR Workshop Proceedings (Vol. 2786).
Weblink: <http://ceur-ws.org/Vol-2786/Paper62.pdf>

2020

2. Kumar A., Chatterjee J.M., Choudhuri A., Rathore P.S. (2020) A Collaborative Method for Minimizing Tampering of Image with Commuted Concept of Frazile Watermarking. In: Smys S., Iliyasu A.M., Bestak R., Shi F. (eds) *New Trends in Computational Vision and Bio-inspired Computing*. ICCVBIC 2018. Springer, Cham.
Weblink: https://doi.org/10.1007/978-3-030-41862-5_100

2018

3. S. Garg, J. Moy Chatterjee and R. Kumar Agrawal, "Design of a Simple Gas Knob: An Application of IoT," *2018 International Conference on Research in Intelligent and Computing in Engineering (RICE-IEEE)*, San Salvador, El Salvador, 2018, pp. 1-3.
Weblink: <https://ieeexplore.ieee.org/abstract/document/8509034>.

Book Publications (Authored)

2019

1. Dac-Nhuong Le, Abhishek Kumar Pandey, T.V.M. Sairam, Pramod Singh Rathore, Jyotir Moy Chatterjee, "Network Modeling, Simulation and Analysis in MATLAB: Theory and Practices", *Scrivener Publishing, Wiley, USA*. ISBN: 978-1-119-63143-9. 376 Pages.
Weblink: <https://onlinelibrary.wiley.com/doi/book/10.1002/9781119631477>

2018

2. Dac-Nhuong Le, Raghvendra Kumar, Nguyen Gia Nhu and Jyotir Moy Chatterjee, (2018), *Cloud Computing Virtualization*, *Scrivener Publishing, Wiley, USA*. ISBN: 978-1-119-48790-6. 250 pages.
Weblink: <https://onlinelibrary.wiley.com/doi/book/10.1002/9781119488149>
3. Le, D. N., Kumar, R., & Chatterjee, J. M. (2018). *Introductory Concepts of Wireless Sensor Network. Theory and Applications*. *GRIN Verlag*.
Weblink: <https://www.grin.com/document/385908>

Book Publications (Edited)

2021

1. Uzzal Sharma, Parma Nand, Jyotir Moy Chatterjee, Vishal Jain, Noor Zaman Jhanjhi, R. Sujatha, "Cyber Physical System: Emerging Technologies and Applications", ISBN: 978-1-119-83619-3, 350 pages.
Weblink: [https://www.wiley.com/en-
np/Cyber+Physical+System%3A+Emerging+Technologies+and+Applications-p-9781119836193](https://www.wiley.com/en-
np/Cyber+Physical+System%3A+Emerging+Technologies+and+Applications-p-9781119836193)
2. Vishal Jain, Jyotir Moy Chatterjee, Hadi Hedayati, Salahddine Krit and Omer Deperlioglu, "Deep Learning for Personalised Healthcare Services", ISBN: 9783110708127, 252 pages.
Weblink: <https://www.degruyter.com/document/isbn/9783110708127/html>

3. Nandan Mohanty, Sachi Chatterjee, Jyotir Moy Satpathy, Suneeta, “Internet of Things and Its Applications”, ISBN:978-3-030-77528-5, 650 pages.
Weblink: <https://www.springer.com/gp/book/9783030775278>
4. Sachi Nandan Mohanty, Jyotir Moy Chatterjee, Monika Mangla, Suneeta Satpathy, Sirisha Potluri, “Machine Learning Approach for Cloud Data Analytics in IoT”, Wiley, ISBN: 978-1-119-78580-4, 528 pages.
Weblink: [https://www.wiley.com/en-
np/Machine+Learning+Approach+for+Cloud+Data+Analytics+in+IoT-p-9781119785804](https://www.wiley.com/en-
np/Machine+Learning+Approach+for+Cloud+Data+Analytics+in+IoT-p-9781119785804)
5. Vishal Jain, Jyotir Moy Chatterjee, Ankita Bansal, Abha Jain,” Semantic Web for Effective Healthcare Systems”, Wiley, ISBN: 978-1-119-76229-4, 350 pages.
Weblink: [https://www.wiley.com/en-
np/Semantic+Web+for+Effective+Healthcare+Systems-p-
9781119762294](https://www.wiley.com/en-
np/Semantic+Web+for+Effective+Healthcare+Systems-p-
9781119762294)
6. Gurinder Singh, Vishal Jain, Jyotir Moy Chatterjee, Loveleen Gaur, “Cloud and IoT-Based Vehicular Ad Hoc Networks”, Wiley, ISBN: 978-1-119-76182-2, 432 pages.
Weblink: [https://www.wiley.com/en-
np/Cloud+and+IoT+Based+Vehicular+Ad+Hoc+Networks-p-
9781119761822](https://www.wiley.com/en-
np/Cloud+and+IoT+Based+Vehicular+Ad+Hoc+Networks-p-
9781119761822)
7. Vishal Jain, Jyotir Moy Chatterjee, Abhishek Kumar Pandey, Pramod Singh Rathore, “Internet of Things and Machine Learning in Agriculture Technological Impacts and Challenges”, *De Gruyter Frontiers in Computational Intelligence*, 8.
Weblink: <https://www.degruyter.com/view/title/575114?rskey=r7wFqS&result=1>

2020

8. Nandan Mohanty, S., Saxena, S.K., Satpathy, S., Chatterjee, J.M., “Application of Artificial Intelligence in COVID-19”, *Springer Nature Singapore*.
Weblink: <https://www.springer.com/gp/book/9789811573163>
9. Rashmi Agrawal, Jyotir Moy Chatterjee, Abhishek Kumar Pandey, Pramod Singh Rathore, Dac-Nhuong Le “Machine Learning for Healthcare: Handling and Managing Data”, *CRC Press (Taylor & Francis Group)*.
Weblink: <https://www.routledge.com/Machine-Learning-for-Healthcare-Handling-and-Managing-Data/Agrawal-Chatterjee-Kumar-Rathore-Le/p/book/9780367352332>
10. Pethuru Raj, Jyotir Moy Chatterjee, Abhishek Kumar, B. Balamurugan, “Internet of Things Use Cases for the Healthcare Industry”, *Springer Nature Switzerland*, ISBN: 978-3-030-37525-6, 280 pages, doi: 10.1007/978-3-030-37526-3.
Weblink: <https://www.springer.com/gp/book/9783030375256>
11. Vishal Jain, Jyotir Moy Chatterjee, “Machine Learning with Healthcare Perspective”, *Springer Nature Switzerland*, ISBN: 978-3-030-40849-7, 401 pages, doi: 10.1007/978-3-030-40850-3.
Weblink: <https://link.springer.com/book/10.1007/978-3-030-40850-3>
12. Rashmi Agrawal, Jyotir Moy Chatterjee, Abhishek Kumar, Pramod Rathore, “Blockchain Technology and the Internet of Things”, *Apple Academic Press (CRC Press), Taylor & Francis Group*. ISBN-9781771888974, 498 pages.
Weblink: <http://www.appleacademicpress.com/blockchain-technology-and-the-internet-of-things-challenges-and-applications-in-bitcoin-and-security/9781771888974>
13. Sachi Nandan Mohanty, Jyotir Moy Chatterjee, Sarika Jain, Ahmed A. Elnger, Priya Gupta, “Recommender System with Machine Learning & Artificial Intelligence: Practical Tools & Applications in Medical & Agricultural Domain”, *Scrivener Publishing, Wiley, USA*.
Weblink: <http://www.scrivenerpublishing.com/cart/title.php?id=526#desc>
14. Vishal Jain, Ritika Wason, Jyotir Moy Chatterjee, Dac-Nhuong Le, “Ontology-Based Information Retrieval for Health Care Systems”, *Scrivener Publishing, Wiley, USA*.
Weblink: <http://www.scrivenerpublishing.com/cart/title.php?id=530>

2019

15. Pramod Rathore, Jyotir Moy Chatterjee, Rashmi Agrawal, Abhishek Kumar, “Innovation, Opportunities and Challenges in Applied Artificial Intelligence, Data Science & Machine Learning, *Eureka Publication - Pune; First Edition (2019)*. ISBN: 978-8194050209.

Weblink: <https://www.amazon.in/Innovation-Opportunities-Challenges-Artificial-Intelligence/dp/8194050200>

16. Dac-Nhuong Le, Raghvendra Kumar, Brojo Kishore Mishra, Manju Khari and Jyotir Moy Chatterjee, "Cyber Security in Parallel and Distributed Computing: Concept, Techniques, Applications and Case studies", *Scrivener Publishing, Wiley, USA*. ISBN: 978-1-119-48805-7. 294 pages.

Weblink: <https://onlinelibrary.wiley.com/doi/book/10.1002/9781119488330>

Thesis Converted into Book

2020

1. Poshan Prasad Thakur & Jyotir Moy Chatterjee, "Disruption and Opportunities for using Blockchain in banking sector: Blockchain in banking sector of Nepal", *LAP LAMBERT Academic Publishing, Italy*. ISBN: 978-613-9-92828-6. 84 Pages.
Weblink: <https://www.morebooks.de/store/gb/book/disruption-and-opportunities-for-using-blockchain-in-banking-sector/isbn/978-613-9-92828-6>
2. Jyotir Chatterjee, Shrijana Basnet, R. N. Thakur (2019), Technical Challenges and Future Scope of Smart Traffic Management System Adoption in Kathmandu, Nepal, *Munich, GRIN Verlag*.
Weblink: <https://www.grin.com/document/538549>

Book Chapters

2021

1. Sujatha, R., & Chatterjee, J. M. (2021). Role of Artificial Intelligence in COVID-19 Prediction Based on Statistical Methods. In Applications of Artificial Intelligence in COVID-19 (pp. 73-97). Springer, Singapore.
2. Satpathy, S., Nandan Mohanty, S., Chatterjee, J. M., & Swain, A. (2021). Comprehensive Claims of AI for Healthcare Applications-Coherence Towards COVID-19. In Applications of Artificial Intelligence in COVID-19 (pp. 3-18). Springer, Singapore.
3. Cengiz K., Ozyurt B., Singh K.K., Sharma R., Topac T., Chatterjee J.M. (2021) The Role of IoT and Narrow Band (NB)-IoT for Several Use Cases. In: Singh K.K., Nayyar A., Tanwar S., Abouhawwash M. (eds) Emergence of Cyber Physical System and IoT in Smart Automation and Robotics. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham. https://doi.org/10.1007/978-3-030-66222-6_11
4. Shukla, S. M., & Chatterjee, J. M. (2021). Emotional Intelligence and ICT for Information Processing. In ICT Solutions for Improving Smart Communities in Asia (pp. 106-124). IGI Global.

2020

5. Judith, A. M., Priya, S. B., Kanya, N., & Chatterjee, J. M. (2020). Feature Extraction and Bio Signals. Machine Learning for Healthcare: Handling and Managing Data, 69.
6. Sah, U., Chataut, A., & Chatterjee, J. M. (2020). Medical Information Systems. Machine Learning for Healthcare: Handling and Managing Data, 17.
7. Kumar A., Payal M., Dixit P., Chatterjee J.M. (2020) Framework for Realization of Green Smart Cities Through the Internet of Things (IoT). In: Al-Turjman F. (eds) Trends in Cloud-based IoT. EAI/Springer Innovations in Communication and Computing. Springer, Cham.
8. Priya, G., Shri, M. L., GangaDevi, E., & Chatterjee, J. M. (2020). IoT Use Cases and Applications. In Internet of Things Use Cases for the Healthcare Industry (pp. 205-220). Springer, Cham.
9. Sujatha, R., Nathiya, S., & Chatterjee, J. M. (2020). Clinical Data Analysis Using IoT Data Analytics Platforms. In Internet of Things Use Cases for the Healthcare Industry (pp. 271-293). Springer, Cham.

2019

10. Chatterjee, J. M., Priyadarshini, I., & Le, D. N (2019). Fog Computing and Its security issues. Security Designs for the Cloud, IoT, and Social Networking, 59-76.

11. Garg, S., Chatterjee, J. M., & Le, D. N. (2019). Implementation of Rest Architecture-Based Energy-Efficient Home Automation System. *Security Designs for the Cloud, Iot, and Social Networking*, 143-152.
12. M. Lawanya Shri, E. Ganga Devi, Balamurugan Balusamy, and Jyotir Moy Chatterjee (2019). *Natural Language Processing in Artificial Intelligence*. Brojo Kishore Mishra, Raghvendra Kumar. (eds.) *Ontology-Based Information Retrieval and Matching in IoT Applications*, Apple Academic Press (CRC Press).
13. S. Karthikeyan, Jeevanandam Jotheeswaran, B. Balamurugan, and Jyotir Moy Chatterjee (2019). *Natural Language Processing in Artificial Intelligence*. Brojo Kishore Mishra, Raghvendra Kumar. (eds.) *Text Mining*, Apple Academic Press (CRC Press).
14. Choudhuri, A., Chatterjee, J. M., & Garg, S. (2019). Internet of Things in Healthcare: A Brief Overview. *In Internet of Things in Biomedical Engineering* (pp. 131-160). Academic Press.
15. Solanki V.K., Makkar S., Kumar R., Chatterjee J.M. (2019). Theoretical Analysis of Big Data for Smart Scenarios. 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. (Scopus).
16. Kumar, P. S., Kumar, A., Rathore, P. S., & Chatterjee, J. M. (2019). An On-Demand and User-Friendly Framework for Cloud Data Centre Networks with Performance Guarantee. *Cyber Security in Parallel and Distributed Computing: Concepts, Techniques, Applications and Case Studies*, 149-159.

2018

17. Jha, S., Son, L. H., Kumar, R., Khari, M., & Chatterjee, J. M. (2018). Electronic Wastage: Prospects and Challenges for the Next Generation. *In Handbook of e-Business Security. CRC Press. Taylor & Francis*.
18. Son, L.H., Tripathy, H.K., Acharya, B.R., Kumar, R., Chatterjee, J.M. (2018). Machine Learning on Big Data: A Developmental Approach on Societal Applications, *Big Data Processing Using Spark in Cloud, Springer Nature Singapore Pte Ltd. (Scopus)*.

Patents

1. Pradeep Kumar Tiwari, Jyotir Moy Chatterjee, Bhagirathi Nayak, Tania Mahapatra, Awab Habib Fakih, Thirunavukkarasu K., P. Rajakumar, K Sampath Kumar, Ajay Shanker Singh, T. Ganesh Kumar, T. V. Ramana. **Real-Time Monitoring & Prediction System for Human Healthcare Parameters Using IoT Sensors**. Patent PI: IN201911041799, October 2019.
Description: The present invention disclosure is related real-time monitoring & prediction system for human healthcare parameters using IoT sensors. The objective of the present invention to provide overcomes the inadequacies of the prior art in human healthcare parameters monitoring & prediction system. This system comprises a health monitoring device, cloud storage, a cloud computing module and a computing device. The health monitoring device is used to measure different physiological parameters and bio-signals of the person, wherein the health monitoring device comprises plurality of Internet of things sensors to measure different biological and physical parameters (ECG, EMG, pulse rate, blood pressure, oxygen concentration, temperature) of the person.

Online Published Articles

1. Role of Artificial Intelligence in Post COVID-19 World
<https://www.lbef.org/role-of-artificial-intelligence-in-post-covid-19-world/>
2. Materials informatics: Artificial Intelligence for materials discovery
<https://www.lbef.org/materials-informatics-artificial-intelligence-for-materials-discovery/>
3. Cyborg: The Futuristic Artificial Intelligence approach
<https://www.lbef.org/cyborg-the-futuristic-artificial-intelligence-approach/>

4. Artificial Intelligence for Human Resource Operations
<https://datascience.foundation/datatalk/artificial-intelligence-for-human-resource-operations>
5. Utilization of Data Mining in Human Resources
<https://datascience.foundation/datatalk/utilization-of-data-mining-in-human-resources>
6. Material Informatics: A brief overview
<https://datascience.foundation/datatalk/material-informatics-a-brief-overview>

Faculty Development Program & Webinar

1. Attended International Webinar on “Man or Machine: AI for Pulmonary Abnormality Screening” by Machine Intelligence Research Labs, USA on August 13th, 2020.
2. Attended International Webinar on “Deep Learning (Partly) Demystified” by Machine Intelligence Research Labs, USA on August 13th, 2020.
3. Attended International Webinar on “Towards Blockchain based Collaborative Enterprise” by Machine Intelligence Research Labs, USA on August 10th, 2020.
4. Attended International Webinar on “Artificial Intelligence in Cloud Computing & Internet of Things” by Machine Intelligence Research Labs, USA on August 10th, 2020.
5. Attended International Webinar on “Dealing with Uncertainties in Data Processing: from Probabilistic and Interval Uncertainty to Combination of Different Approaches, with Application to Geoinformatics, Bioinformatics, and Engineering” by Machine Intelligence Research Labs, USA on July 30th, 2020.
6. 1-week FDP on Enhancing Programming Skill Using Advance CPP (C++) organized by Amity Institute of Information Technology, Amity University Patna from 6th to 12th July 2020.
7. 1-day online webinar on “Power of Positivity in this Pandemic Phase” Conducted by “Science of Spirituality” (SOS) held on 2nd July 2020.
8. Attended 1-Week Online Lecture Series held on 12-16th June 2020 organized by Gautam Buddha University, Uttar Pradesh.
9. Attended International Web Conference on “Impact of COVID-19 on Library Resource Sharing by MIT, Aurangabad on 12-13th June 2020.
10. Attended Live Webinar on " Applications of AI in Healthcare: From Behavioral to Psychological Perspectives by Dayananda Sagar College of Arts, Science and Commerce, Bangalore on June 12th, 2020.
11. Attended Velammal Engineering College Webinar Series on “Revolutionary Challenges in Computational Intelligence & Impact on COVID-19 on 8-11th June 2020.
12. Attended Webinar on “Career in Management” by Sanskriti University on 09th June 2020.
13. Attended International webinar on “Effective use of ICT in Business & Education” conducted by IITM, New Delhi on June 08th, 2020.
14. Attended Modern Talk - A National Webinar on Post Covid-19 Family Business Scenario Organized by Modern Group of Institution, Indore on 8th June 2020.
15. Attended Modern Talk - A National Webinar On " Building resilience " Indian Firms and India Organized by Modern Group of Institution, Indore on 10th June 2020.
16. Attended webinar on “Transforming Humanity Through Sustainable Development” organized by Department of Applied Science, PIET, Jaipur on June 8-9th, 2020.
17. Attended E-Summit on “Progressing in COVID-19 World, The New Normal Session led by IIM Alumni by ITS, Ghaziabad on 7th June 2020.
18. Attended in National Level Webinar “Information Systems during and after the Covid-19” on 5th June 2020 organized by CMS, Jain (Deemed-to-be University).
19. Attended webinar on "INTRODUCTION TO MACHINE LEARNING AND DEEP LEARNING" Conducted on 05th June 2020 by Dr. M.G.R. Educational and Research Institute & IMARTICUS LEARNING.

20. Attended in International Level Online Panel Discussion on COVID-19 CRISIS: THE GLOBAL ECONOMY RESHAPING on 4th June 2020 organized by CMS, Jain (Deemed-to-be University), Bengaluru.
21. Attended webinar on “Machine Learning Model Deployment using Flask & other Techniques by DBIT, Bangalore on 4th June 2020.
22. 3 days international webinar on “Artificial Intelligence & Machine Learning” by Jayawant Institute of Management Studies, Pune on 3-5 June 2020.
23. 1-day International Webinar on “How to get Research Grant from UGC, AICTE” organized by MBITS & SMBS, Kerala on 9th June 2020.
24. Two - Day e - Faculty Development Program on “VIRTUAL TEACHING - Learning MOODLE the Efficient way” organized by the Faculty of Humanities and Science, Dr. MGR Educational & Research Institute, Adayalampattu Phase - II Campus in association with The Institution of Engineers (India), Tiruvallur Local Centre on 29th May 2020 and 30th May 2020.
25. One Day webinar on "An Insight into Research and High impact Publications" Organized by Department of Information Technology, Francis Xavier Engineering College, Tirunelveli, Tamil Nadu on 30th May 2020.
27. One Day webinar on Art of Writing Research Paper held on May 29, 2020, organized by Department of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida, Uttar Pradesh, INDIA.
28. One Day webinar talk on " Digital Transformation Technologies "on 28th May 2020 Organized by Computer Society of India-Student Branch CGU Odisha.
29. One Day webinar on OUTCOME BASED EDUCATION Organized by the IQAC, Swarnandhra College of Engineering and Technology, Narsapur, Andhra Pradesh (28th May 2020).
30. Weekly Webinar Series on “Water Challenges during & Post COVID-19” organized by IIT Madras & ICCW Chennai from 7th to 28th May 2020.
31. One Day webinar on “Identification of Internet Suspect Criminals using Forensic Field True Traveler Kit” Organized by Department of Information Technology, Francis Xavier Engineering, College, Tirunelveli, Tamil Nadu on 27th May 2020.
32. One Day webinar on "Big Data in Cloud” Organized by Department of Information Technology in association with Institution’s Innovation Council of Francis Xavier Engineering College, Tirunelveli, Tamil Nadu on 25th May 2020.
33. One Day webinar “Computational Biomedical Image Analysis: Methods, Challenges & Applications” under the Online workshop of Rising Trends in Computer Science organized by U & PU. Patel Department of Computer Engineering on May 24, 2020.
34. One day Mentorship Session for Start-Ups: Series 4 by IGDTUW, Anvesha Foundation Delhi on 24th May 2020.
35. One Day National Level Webinar presented titled “Gender Implications of COVID-19 Pandemic” on May 23, 2020, organized by CMS, Jain (Deemed-to-be University).
36. One Day webinar on Artificial Intelligence & Machine Learning using Python organized by Department of Information Technology, Sengunthar College of Engineering, Tiruchengode -637 205 (22nd May 2020).
37. One Day webinar “IoT and Artificial Intelligence” under the Online workshop of Rising Trends in Computer Science organized by U & PU. Patel Department of Computer Engineering on May 21, 2020.
38. One Day webinar on “Managing Stress and Anxiety through Artificial Intelligence organized by Trinity Institute of Professional Studies, Dwarka, New Delhi on 20th May 2020.
39. One Day webinar “Social Network Analysis” under the Online workshop of Rising Trends in Computer Science organized by U & PU. Patel Department of Computer Engineering on May 20th, 2020.

40. Online Faculty Development Program on Migration of It Infra Using Cloud Organized by Department of Applied Science Under IQAC, PIET, Jaipur (20-21st May 2020).
41. One Day Faculty Development Program on “Challenges in Building Collaborations in Research and Innovation” organized by Faculty of Humanities and Science Dr MGR Educational & Research Institute, ADAYALAMPATTU PHASE -II CAMPUS, Chennai (09th May 2020).

Invited Talk

1. *Webinar* organized by *Patan College for Professional Studies, Kathmandu, Nepal* on 29th November 2020 and delivered a talk on *IoT and its Application*.
2. *Webinar* organized by *Department of Computer Science & Engineering, Government Polytechnic, Purnea, Bihar* at on 04th July 2020 and delivered a talk on *Machine Learning and its Application*.
3. *Virtual Guest Lecture* organized by *School of Information Technology and Engineering, Vellore Institute of Technology, Vellore, India*, on 10th February 2020 and delivered a talk on *Machine Learning and its Application*.
4. **Resource Person** at *International Virtual Conference on Recent Trends in Machine Learning, Data Science and NLP* organized by *School of Information Technology and Engineering, Vellore Institute of Technology, Vellore, India*, during 17th September 2019 and delivered a talk on *Internet of Things & its application*.
5. **Resource Person** at *International Virtual Conference on Recent Trends in Machine Learning, Data Science and NLP* organized by *School of Information Technology and Engineering, Vellore Institute of Technology, Vellore, India*, during 16th September 2019 and delivered a talk on *Machine Learning and its Application*.
6. **Resource Person** at invited talk organized by *School of Information Technology and Engineering, Vellore Institute of Technology, Vellore, India*, during 9th September 2019 and delivered a talk on *Machine Learning and its real time applications*.
7. *Virtual Guest Lecture* organized by *School of Information Technology and Engineering, Vellore Institute of Technology, Vellore, India*, on during 6th April 2019 and delivered a talk on *Machine Learning and its Application*.
8. **Resource Person** at *International Virtual Conference on Recent Trends in Machine Learning, Data Science and NLP* organized by *School of Information Technology and Engineering, Vellore Institute of Technology, Vellore, India*, during 6th April 2019 and delivered a talk on *Machine Learning and its Application*.

Journals Reviews Details

1. Reviewed for **Air Quality, Atmosphere and Health**
2. Reviewed for **Journal of Software: Evolution and Process**
3. Reviewed for **Journal of Affective Disorders**
4. Reviewed for **Therapeutic Advances in Respiratory Disease**
5. Reviewed for **International Journal of Journalism and Mass Communication**
6. Reviewed for **International Journal of Computational Science and Engineering**
7. Reviewed for **Computers, Materials and Continua**
8. Reviewed for **Journal of Information Technology Research**
9. Reviewed for **Clinical Epidemiology and Global Health**
10. Reviewed for **Electrica**
11. Reviewed for **Journal of Engineering Science and Technology**
12. Reviewed for **Wireless Personal Communications**
13. Reviewed for **Complexity**
14. Reviewed for **International Journal of Information Security and Privacy**
15. Reviewed for **IAES International Journal of Artificial Intelligence (IJ-AI)**
16. Reviewed for **Microprocessors and Microsystems**
17. Reviewed for **Artificial Intelligence Review**
18. Reviewed for **World Journal of Radiology**.

19. Reviewed for **International Journal of Business Intelligence and Data Mining.**
20. Reviewed for **Journal of Testing and Evaluation.**
21. Reviewed for **International Journal of Advanced Computer Science and Applications.**
22. Reviewed for **BMC Medical Informatics and Decision Making.**
23. Reviewed for **Journal of Engineering Research and Reports.**
24. Reviewed for **Plos One.**
25. Reviewed for **Neural Processing Letters**
26. Reviewed for **International Journal of Systems Assurance Engineering and Management.**
27. Reviewed for **Computers & Security**
28. Reviewed for **Nature Scientific Reports (Springer-SCIE).**
29. Reviewed for **Stochastic Environmental Research and Risk Assessment (Springer-SCIE).**
30. Reviewed for **Expert Systems with Applications (Elsevier-SCIE).**
31. Reviewed for **Scientific reports (Nature-SCI).**
32. Reviewed for **The Science and Information (SAI) Organization (Scopus).**
33. Reviewed for **The Journal of Supercomputing (Springer-SCIE).**
34. Reviewed for **International Journal of Interactive Communication Systems and Technologies (IJICST-IGI Global).**
35. Reviewed for **Telecommunication Systems (Springer-SCIE).**
36. Reviewed for **Ad Hoc Networks (Elsevier-SCIE).**
37. Reviewed for **Multimedia Tools and Applications (Springer-SCIE).**
38. Reviewed for **Engineering with Computers (Springer-SCIE).**
39. Reviewed for **International Journal of Mathematical, Engineering and Management Sciences (SCOPUS).**
40. Reviewed for **IEEE Access (SCIE).**
41. Reviewed for **International Journal of Hyperconnectivity and the Internet of Things (IGI Global).**
42. Reviewed for **Journal of Real-Time Image Processing (Springer-SCIE).**
43. *Review Editor* in **Frontier of Artificial Intelligence (Fuzzy Systems) Journal.**
44. Reviewed for **International Journal of Fog Computing (IGI Global- Scopus).**
45. Reviewed for **International Journal of Big Data and Analytics in Healthcare (IGI Global- Scopus).**
46. Reviewed for **International Journal of Fuzzy System Applications (IGI Global- Scopus).**
47. Reviewed for **International Journal of Knowledge and Systems Science (IGI Global- Scopus).**
48. Reviewed for **Journal of Indian Society of Remote Sensing (Springer-SCIE).**
49. Reviewed for **International Journal of Electronics & Communications (Elsevier-SCIE).**
50. Reviewed for **Journal of Medical Systems (Springer-SCIE).**
51. Reviewed for **EAI Endorsed Transactions on Industrial Networks and Intelligent Systems (Scopus).**
52. Reviewed for **Elsevier Cognitive Systems Research Journal (Scopus)**
53. Reviewed for **International Journal of Electrical & Computer Engineering (Scopus)**
54. Reviewed for **ACM Computing Surveys Journal (SCI indexed).**
55. Reviewed for **Oriental Journal of Computer Science and Technology (UGC).**

Conference Reviews Details

1. Reviewed for **International Conference on Information Systems and Computer Networks**
2. Reviewed for **International Conference on Soft Computing and Data Mining**
3. Reviewed for **International Conference on Cloud Computing and Internet of Things (CCIOT)**
4. Reviewed for **Indo-Taiwan International Conference on Computing, Analytics and Networks**
5. Reviewed for **Proceedings of the International Conference on Big Data Engineering and Technology - BDET**
6. Reviewed for **International Conference on Knowledge-Based and Intelligent Information & Engineering Systems**
7. Reviewed for **International Conference on Software Engineering and Applications**

8. Reviewed for Proceedings of the Annual International Conference on Mobile Computing and Networking
9. Reviewed for IEEE International Conference on Computing, Communication and Security (ICCCS)
10. Reviewed for International Semantic Intelligence Conference
11. Reviewed for International Conference on Computing, Communication, and Intelligent Systems (ICCCIS)
12. Reviewed for International Journal of Management Science and Engineering Management
13. Reviewed for International Conference on Knowledge-Based and Intelligent Information & Engineering Systems
14. Reviewed for International Conference on Recent Trends in Computer Applications and Information Technology (Scopus).
15. Reviewed for International Conference on Emerging Trends in Information Technology- 2019 (Springer).
16. Reviewed for 5th IEEE International Conference on Advances in Computing & Communication Engineering (IEEE).
17. Reviewed for International Conference on Social Networking and Computational Intelligence (SCI-2K19)
18. Reviewed for International Conference on Research in Intelligent & Computing in Engineering- 2018 (IEEE).
19. Subject Expert in *Sodh, Samiksha Aur Mulyankan Journal*. (UGC approved)
20. Served as Co-convener at International Multidisciplinary Conference on Emerging Trends in Engineering, Science and Technology 2017.

Editorial Board Membership

1. *Editor* of International Journal of Intelligent Communication, Computing and Networks.
2. *Book Series Editor* of Cyber Physical Systems: The New Era of Computing at (CRC Press Taylor & Francis Group).
3. *Book Series Editor* of Artificial Intelligence in Smart Healthcare Systems at (CRC Press Taylor & Francis Group).
4. *Book Series Editor* of Machine Learning in Biomedical Science & Healthcare Informatics at (Scrivener Publishing-Wiley).
5. *Guest Editor* at Science Journal of Circuits, Systems and Signal Processing for Special Issue on Signal Processing and Intelligence.
6. *Editorial Review Board member* in Knowledge Publishing Group.
7. *Editorial Review Board member* in Journal of Information Technology Review (IGI Global-Scopus).
8. *Editorial Review Board member* in International Journal of Information Security and Privacy (IGI Global- Scopus).
9. *Editorial Review Board member* in International Journal of Big Data and Analytics in Healthcare (IGI Global-Scopus)
10. *Global Journal on Innovation, Opportunities and Challenges in Applied Artificial Intelligence and Machine Learning*.
11. *Global Journal of Information Security and Cyber Criminology*.
12. *Science Research Association*.

Conference Committee Membership

1. *International Advisory Committee*- 2nd International Conference on Future Communication & Computing Technology (ICFCCT-2021).
2. *Technical Programme Committee*- International Conference On Machine Intelligence & Data Science Applications (MIDAS-2021-Springer LNDECT).

3. **Program Committee Member**- The 5th International Conference on Soft Computing & Data Mining (SCDM 2022- Springer LNNS).
4. **Scientific Committee Member**- International Conference on Recent Challenges in Engineering Science and Technology (ICRCST 21) Virtual mode (Web of Science & Scopus)
5. **International Advisory Committee**- 9th International Conference on Recent Challenges In Engineering And Technology (ICRCET-21), Bali, Indonesia (Scopus)
6. **Technical Programme Committee**- 3rd International Conference on Advances in Information Communication Technology & Computing (AICTC-2021, **Springer**)
7. **Technical Programme Committee**- 5th International Conference on Information Systems and Computer Networks (ISCON-2021, **IEEE**)
8. **Outreach Committee** member of 3rd International Conference on Latest Trends in Engineering and Management (ICLTEM 2021-**Scopus**)
9. **Publicity Committee** member of International Conference on Computing, Communication, and Intelligent Systems (ICCCIS 2021-**IEEE**)
10. **International Programme Committee** member of KES STS 2021 SMART DIGITAL FUTURES 2021 (**Springer- SIST**).
11. **Technical Committee** member 2021 3rd International Conference on Big Data Engineering and Technology, Singapore (**ACM Digital Library**).
12. **Technical Committee** member 1st Odisha International Conference on Electrical Power Engineering, Communication & Computer Technology (ODICON 2021- **IEEE**).
13. **Technical Programme Committee- International (TPC)** Member in 4th International Conference on Data Management, Analytics and Innovation (ICDMAI2021- **Springer AISC**).
14. **Publicity Chair** in International Semantic Intelligence Conference (**ISIC 2021- SPRINGER**).
15. **Technical Programme Committee** in INTERNATIONAL CONFERENCE ON MACHINE INTELLIGENCE & DATA SCIENCE APPLICATIONS (MIDAS 2020-**Springer**)
16. **Session Chair** at 1st Online International Conference on “**Rebuilding Bharat with Artificial Intelligence (AI) Interventions after COVID-19 Pandemic: Opportunity and Challenges**” at Gautam Buddha University, Greater Noida, U.P (02-03 May 2020).
17. **Conference Committee** member at **2020 International Conference on Pattern Recognition and Intelligent Control** (ICPRIC 2020- **SCOPUS**).
18. **Technical Programme Committee** member at 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA-2020- **IEEE**, <http://www.icpric2020.org/news/4>).
19. **Organizing Committee** Member in International Conference on Advances in Engineering, Technology Contemporary Management and Multidisciplinary Trends (**ICAETCMMT-2020-SCOPUS**).
20. **Programme Committee Member in** 9th International Conference on Software Engineering and Applications (JSE 2020), Switzerland.
21. **Technical Programme Committee- International (TPC)** Member in 4th International Conference on Data Management, Analytics, and Innovation (ICDMAI2020- **Springer AISC**).
22. **Technical Programme Committee (TPC)** Member at Sixth International Conference on Advances in Computing & Communication Engineering 2020. (**IEEE**)
23. **International Programme Committee (IPC)** Member at 2nd KES International Symposium on Smart Transportation Systems 2020 (KES-STs-20- **Springer-SIST**).
24. **Technical Programme Committee (TPC)** Member in Indo-Taiwan International Conference on Computing, Analytics and Networks 2020 (**IEEE**).
25. **Technical Programme Committee** member at Innovation in Electrical Power Engineering, Communication, and Computing Technology (IEPCCT 2019-**Springer**, <https://link.springer.com/content/pdf/bfm%3A978-981-15-2305-2%2F1.pdf>)
26. **Organizing Committee** Member in International Conference on Advances in Engineering, Technology and Contemporary Management Trends (**ICAETCMT-2019-SCOPUS**).
27. **Technical Committee (TC)** member in 2nd International Conference on Recent Innovative Trends in Computer Science and Applications (**ICRITCSA-2019**).
28. **Technical Programme Committee (TPC)** Member in 1st International Conference on Distributed Sensing and Intelligent Systems (ICDSIS2020- **Springer**).

29. **Technical Programme Committee (TPC)** Member in International Conference on Recent Trends in IoT and Blockchain.
30. **Session Chair** - Special Session On "Blockchain Technologies: Challenges, Solutions and Applications" at 3rd International Conference on Advanced Informatics for Computing Research (ICAICR-2019 **Springer CCIS and ACM ICPS**).
31. **Technical Programme Committee (TPC) – International** Member at 4th International Conference on Data Management, Analytics & Innovation.
32. **Publicity Chair** at International Conference on Advances in Information Communication Technology & Computing (AICTC-2019 **Springer and ACM**).
33. **Technical Programme Committee (TPC)** Member at 2019 2nd International Conference on Algorithms, Computing and Artificial Intelligence.
34. **Technical Programme Committee (TPC)** Member in IEEE International Conference on Intelligent Computing, Instrumentation and Control Technologies (**IEEE**).
35. **Technical Programme Committee (TPC)** Member in International Conference on Social Networking and Computational Intelligence (SCI-2K19 **Springer**).
36. **Technical Programme Committee (TPC)** Member in 5th IEEE International Conference on Advances in Computing & Communication Engineering (**IEEE**).
37. **International Review Committee (IRC)** Member at 1st International Conference on Advances in Electrical & Computer Technologies 2019 (ICAECT 2019- **Springer LNEE**).
38. **International Programme Committee (IPC)** Member at 23rd International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (**Scopus**).
39. **International Programme Committee (IPC)** Member at 2nd KES International Symposium on Smart Transportation Systems 2019 (KES-STS-19- **Springer-SIST**).
40. **Technical Programme Committee (TPC)** Member in 6th IEEE International Conference on Computing for Sustainable Global Development (INDIACom 2019-**IEEE**).
41. **Technical Programme Committee (TPC)** Member in International Conference on Emerging Trends in Information Technology (ICETIT-2019-**Springer LNEE**).
42. **Program Committee (PC)** Member in FICTA-2018 Special Session on “SCML18: Soft Computing and Machine Learning models for Bio-Medical Applications, Vietnam (**Springer**).

Membership of Professional Societies

1. **Associate Member** of *International Society for Development and Sustainability (ISDS)*.
2. **Member** of *International Economics Development and Research Center (IEDRC)* Membership No: 90081539.
3. **Ambassador** of *Scientific Research Group of Egypt (SRGE)* for 2020-2021.
4. **Member** of *Centre for Cybersecurity Research & Innovation Nepal (CSRI)*.
5. **Member** of *Indian Academicians and Researchers Association (IARA)* Membership No: M / M – 1160.
6. **Life Member** of *Scientific and Technical Research Association (STRA)* Member No.- STRA-M19843.
7. **Professional Member** of *IFERP (Institute for Engineering Research and Publication)* Member No.- PM7066563.
8. **Senior Member** in *ASR (The Asian Society of Researchers)* Member No.- R219030701.
9. **Editorial Board Member** in *IOSRD (International Organization of Scientific Research & Development)* Member No.- 1627.
10. **Member** of *IRSS (International Rough Set Society)*.
11. **Executive Member** of *IAASSE (International Association of Academicians Connecting Scholars, Scientists and Engineers)* Member No.- IAASSE10728
12. **Member** of *MEACSE (Middle East Association of Computer Science and Engineering)* Member No.-2342
13. **Member** of *IAENG (International Association of Engineers)* Member No.-208686.
14. **Associate Member** of *IREN (Institute of Research Engineers and Doctors)* Member No.- AM101000581870.

15. **Associate Member** of *IAIP (International Association of Innovation Professionals)* Member No.-54068532.
16. **Member** of *ICSES (International Computer Science and Engineering Society)* Member No.-1857.
17. **Member** of *SDIWC (Society of Digital Information and Wireless Communications)* Member No.-21583.
18. **Life Member** of *ISRD (International Society for Research & Development)* Member No.-M4150906165.
19. **Member** of *ISOC (Internet Society)* Member No.-199734.
20. **Member** of *SCIEI (Science & Engineering Institute)* Member No.-20180920002.

Other Information

Date of Birth : 13 March 1991
Languages Known : English, Hindi, Bengali
Present Address : Jyotir Moy Chatterjee, LBEF, Opposite Maiti Devi Temple
Kathmandu, Nepal-44600

Declaration

I declared that the information and facts stated above are true and to the best of my knowledge and belief.

DATE: 07/10/2021
PLACE: KATHMANDU, NEPAL

[JYOTIR MOY CHATTERJEE]