# Achievements 2019

**Distinguish Members**

## Member of BIS -Bureau of Indian Standard

LITD 17 Panel 6 : Information System Security and Privacy

LITD 19 Panel 2: e-Learning "User Interface"

LITD 36: Computer Hardware, peripherals equipment and User Interface

## Member of ISO - International Organization for Standardization

ISO/IEC JTC 1/SC 36WG8: Learning Analytics Interoperability

**Ph. D. Awarded**

Nil

**Books**

Nil

## Book Chapters

1. Krishan Kundu, Prasun Halder, "Geomorphological Changes in Sundarbans Delta Using GIS and Remote Sensing Data", Computational Intelligence, Communications, and Business Analytics. CICBA 2018. Communications in Computer and Information Science, Vol. - 1031. Springer, Singapore, (2019). https://doi.org/10.1007/978-981-13-8581-0_4.Indexed in: Scopus, SCImago, DBLP, Google Scholar, EI-Compendex, Mathematical Reviews.
2. Bandyopadhyay S., Thakur S.S., Mandal J.K. (2019) Product Recommendation for E-Commerce Data Using Association Rule and Apriori Algorithm. In: Chattopadhyay S., Roy T., Sengupta S., Berger-Vachon C. (eds) Modelling and Simulation in Science, Technology and Engineering Mathematics. MS-17 2017. Advances in Intelligent Systems and Computing, vol 749. Springer, Cham. https://doi.org/10.1007/978-3-319-74808-5_51
3. Subro Santi Ranjan Thakur, Soma Bandyopadhyay and Jyotsna Kumar Mandal, Product Prediction and Recommendation in Sustainable E-Commerce Using Association Rule Mining and K-Means Clustering: A Novel Approach, Advanced Multi-Criteria Decision Making for Addressing Complex Sustainability Issues, DOI: 10.4018/978-1-5225-8579-4.ch012(2019)

## Edited Volumes as Volume Editor/Corresponding Editor /Conference Organization

1. Computational Intelligence and Machine Learning, Proceedings of the 7th International Conference on Advanced Computing, Networking, and Informatics (ICACNI 2019), Editors: Mandal, J.K., Mukherjee, I., Bakshi, S., Chatterji, S., Sa, P.K. (Eds.),
2. Proceedings of the Fourth International Conference on Microelectronics, Computing and Communication Systems, MCCS 2019, Editors: Nath, Vijay, Mandal, J. K. (Eds.), Lecture Notes in Electrical Engineering (https://www.springer.com/gp/book/9789811555459), Springer Nature. 2019.
3. Proceedings of the Global AI Congress 2019, Advances in Intelligent Systems and Computing (AISC), Springer at IEM, Kolkata, member of editorial Board, Program Chair, Corresponding Editor of the Proceedings, 2019
4. Second National Conference on Information, Photonics and Communication (IPC 2019), held during 2-3 February, 2019 at B P Poddar Institute of Engineering & Management, Kolkata, member of editorial Board, Program Chair, Corresponding Editor of the Proceedings to be published -Lecture Notes in Networks and System, Springer Science, Singapore (in Press)(2019).

## SCI Journals

1. Hassan, K L, Mandal, J K, Mondal, S, Enhanced Trust-based Intrusion Detection Syatem in MANET,Journal of Scientific & Industrial Research(JSIR), Vol. 78, August 2019, pp. 509-512, 2019(**IF:0.735**)
2. Chakraborty, R. & Mandal, J.K. An FPGA based cascaded CBC block cipher through RPSPNC and TE, Microsystem technologies, Springer (Microsyst Technol (2019) 25: 1669. https://doi.org/10.1007/s00542-017-3458-x) May 2019, Volume 25, Issue 5, pp 1669–1677(**IF:1.581**).
3. Chakraborty, R, Mandal, J K, An FPGA based non-feistel block cipher through recursive substitutions of bits on prime-nonprime detection of sub-stream (RSBPNDS), Microsystem Technologies (2019) ( Microsyst Technol (2019) 25: 1679. https://doi.org/10.1007/s00542-017-3662-8), May 2019, Volume 25, Issue 5, pp 1679–1687(**IF:1.581**)
4. Hassan, K. L., Mandal, J. K. (2019), "Risk Factor Based Ad-hoc On Demand Multipath Distance Vector Routing Protocol (RF-AOMDV), JSIR (SCI E Journal), (vol 78, pp 746-750, Nov, 2019) ( **IF:0.557**).
5. Dutta, P., Chatterjee, R. & Mandal, J.K.(2019) , "An approach for deployment of BRS in software-defined network", Innovations Syst Softw Eng(ESCI) (2019). **https://doi**.org/10.1007/s11334-019-00340-8, A Nasa journal, Springer, pp 1-7(**IF:1.10**)

6. Kundu K., Halder P., Mandal J.K. (2019) Forest Cover Change Analysis in Sundarban Delta Using Remote Sensing Data and GIS. In: Mandal J., Sinha D. (eds) Intelligent Computing Paradigm: Recent Trends. Studies in Computational Intelligence (Web of Science Indexed), vol 784, pp 85-101, https://doi.org/10.1007/978-981-13-7334-3_7, Springer, Singapore

**Invited Talks/Expert Lecture and Conference attended**

No. of Expert/Invited Lecture delivered: 13

Conference attended: 10

**Expert Lecture:**

1. Key Note Address on "Remote Sensing, GIs and GPS Applications", CSI State Student Convention, JIS College of Engineering, 14th-19th November 2019.
2. Key Note Address on "Remote Sensing, GIs and GPS Applications", CSI State Student Convention, JIS College of Engineering, 14th-19th November 2019.
3. Key Note Address on Modeling and Analytics on Neural Cryptography and Authentication in Wireless Communications, CCSN 2019, Institute of Aeronautical Engineering, Hyderabad, Telengana, India, 19th October, 2019.
4. Keynote address on "Data Modeling and Analytics on Neural Cryptography and authentication for Wireless Communication", Global AI Congress 2019, IEM, Kolkata 12th September 2019.
5. Keynote address on "Stratosphere Communication", ISF, IETE program at Adamas University, ECE Department on 14.08.2019 on the eve of opening ISF at Adamas University.
6. Invited Lecture as Resource person and Domain Expert, "ICT for Higher Education", Refresher's Course at the University of Burdwan, 24th June 2019
7. Key Note Address on "Technical Wriring, Similarity and Management", in 7days workshop on Research Methodology at RML Avodhaya University, Ayodhya, Uttar Pradesh on 2oth May 2019.
8. Key Note Address on "Quality of Service (QoS) Architecture for Software Defined Network(SDN), MCCS, Ranchi, 11-12 May 2019 on 11th May 2019.
9. Key Note Address on "Similarity in Technical Writing and Management", in the five days workshop held during 222-26 April 2019 at the University of Kalyani.
10. Key Note Address in the Workshop "Writing Research articles and finding funding agencies" on 18.3.19 topic "Scientific writing and management of Similarities.", Aliah University, Kolkata
11. Key Note Address "Authentication based on Transform Computation, on 24.3.19 in 3rd International Conference DevIC 2019 at KGEC, Kalyani
12. Key Note Address on the eve of National Conference NCETIST 2019 at Raiganj University on 19.3.19," Transform Domain Computation for security and Authentication.
13. Expert lecture in the Refreshers Course on Computer Science & Application at North Bengal University during 22-23 January 2019, topic: Image processing and security