

Department of Computer Science and Engineering

Total No. of International Journals = 141

International Journals

Dr. Biswajit Purkayastha (19)

1. Saroj Kr. Biswas, Manomita Chakraborty, Biswajit Purakayastha: Rule Extraction from Neural Network using Classified and Misclassified Data: International Journal on Artificial Intelligence Tools, World Scientific, Accepted with revision (**SCI journal**)
2. Saroj Kr. Biswas, Manomita Chakraborty, Biswajit Purakayastha: A Rule generation technique from Neural Network using Classified and
3. Misclassified Data: International Journal of Bio-Inspired Computation, Inderscience, Accepted with minor revision (**SCI journal**)
4. Debashree Devi, Saroj Kr. Biswas, Biswajit Purakayastha: REDUNDANCY-DRIVEN MODIFIED TOMEK LINK BASED UNDERSAMPLING: A SOLUTION TO CLASS IMBALANCE, Pattern Recognition Letters, Elsevier Accept with major revision (**SCI journal**)
5. Saroj Kr. Biswas, Monali Bordoloi, Biswajit Purakayastha: Review on Feature Selection and Classification using Neuro-Fuzzy Approaches, International Journal of Applied Evolutionary Computation, IGI Global, Accepted
6. Saroj Kr. Biswas, Heisnam Rohen Singh, Biswajit Purakayastha: A Neuro-fuzzy Classification Technique using Dynamic Clustering, Engineering Applications of artificial Intelligence, Elsevier Major Revision (**SCI journal**)
7. Heisnam Rohen Singh, Saroj Kr. Biswas, Biswajit Purakayastha: A Neuro-fuzzy Classification Technique using Dynamic Clustering and GSS Rule Generation, Journal of Computational and Applied Mathematics, Elsevier, Accepted (**SCI journal**)
8. Saroj Kr Biswas, Monali Bordoloi, Heisnam Rohen Singh, Biswajit Purkayastha: A Neuro-fuzzy Rule-based Classifier Using Important Features and Top Linguistic Features, International Journal of Intelligent Information Technologies (IJIT), vol. 12, issue 3 IGI Global (**SCOPUS, SSCI(web of science)**)
9. Saroj Kr Biswas, Nidul Sinha, Biswajit Purakayastha, Leniency Marbaniang: Weather Prediction by Integrating Recurrent Neural Network Dynamics into Case Based Reasoning, International Journal of Knowledge Based Computer Systems, PublishingIndia.com, Accepted, 2015, In
a. press.
10. Saroj Kr. Biswas, Manomita Chakraborty, Heisnam Rohen Singh, Debashree Devi, Biswajit Purkayastha, Akhil Kr. Das, Hybrid Case Based Reasoning System by Cost Sensitive Neural Network for Classification, Soft computing, Springer, Accepted (**SCI journal**)
11. Saroj Kr Biswas, Nidul Sinha, Biswajit Purakayastha, Recent trends in CBR, challenges and future directions: a critical review” International Journal of Knowledge Based Computer Systems, PublishingIndia.com, Accepted, 2015, In press.

12. Saroj Kr Biswas, Barnana Baruah, Nidul Sinha and Biswajit Purkayastha, A Hybrid CBR Classification Model by Integrating ANN into CBR, International Journal of Services Technology and Management, Inderscience, 2015, Vol. 21, Nos. 4/5/6, pp. 272-293. **(SCOPUS, ESCI(web of science))**
13. Saroj Kr. Biswas, Barnana Baruah, Biswajit Purkayastha, Manomita Chakraborty, An ANN Based Classification Algorithm for Swine Flu Diagnosis , International Journal of Knowledge Based Computer Systems, PublishingIndia.com, 2015, vol. 3, issue 1, pp. 1-12.
14. Saroj Kr Biswas, Leniency Marbaniang , Biswajit Purkayastha, Manomita Chakraborty, Heisnam Rohen Singh, Monali Bordoloi, Rainfall Forecasting by Relevant Attributes Using Artificial Neural Networks – A Comparative Study, International Journal of Big Data Intelligence, Inderscience, 2015 vol.3 no. 2, pp. 111-121.
15. Saroj Kr Biswas, Nidul Sinha, Biswajit Purakayastha, Leniency Marbaniang, Hybrid expert system using case based reasoning and neural network for classification, Biologically Inspired Cognitive Architectures, Elsevier, 2014, vol. 9, pp. 57– 70. **(SCI journal)**
16. Saroj K. Biswas; Nidul Sinha; Biswajit Purkayastha, A review on fundamentals of case-based reasoning and its recent application in different domains, International Journal of Advanced Intelligence Paradigms, Inderscience, 2014, vol. 6, no.3, pp. 235-254. **(SCOPUS journal)**
17. Saroj Kr Biswas, Nidul Sinha, Biswajit Purakayastha, Leniency Marbaniang, Weather Prediction by Recurrent Neural Network Dynamics, International Journal of Intelligent Engineering Informatics, Inderscience, 2014, Vol. 2, Nos. 2/3, pp. 166-180.
18. Saroj K. Biswas, Nidul Sinha, Barnana Baruah, Biswajit Purkayastha, Intelligent Decision Support System of Swine Flu Prediction using Novel Case
 - a. Classification Algorithm, Int. J. Knowledge Engineering and Data Mining, Inderscience, 2014, Vol. 3, No. 1, pp. 1-19.
19. Saroj Kr. Biswas, Akhil Kr. Das, Dr. Biswajit Purkayastha, Dibyendu Barman, Techniques for Efficient Case Retrieval and Rainfall Prediction Using CBR and Fuzzy Logic, International Journal of Electronics Communication and Computer Engineering, vol. 4, issue 3, pp.692-698, 2013.

Dr. Arup Bhattacharjee

Ms. Ujwala Baruah (01)

1. Evaluation of Lower Bounding Methods of Dynamic Time Warping (DTW) ,IJCA May 2014 Edition

Dr. Pinki Roy (12)

1. Saswati Debnath and P. Roy, “**Audio-Visual Speech Recognition based on Machine Learning approach**”, *International Journal of Advanced Intelligence Paradigms(IJAIP)*, 2018. Inderscience. (SCOPUS Indexed). (Accepted)
2. S.Namasudra and P. Roy, “**Time saving protocol for data accessing in cloud computing**,” *IET Communications*, 2017. DOI: 10.1049/iet-com.2016.0777 (SCI Indexed).
3. Suyel Namasudra, Pinki Roy, Pandi Vijayakumar, Sivaraman Audithan, Balamurugan Balusamy, “**Time efficient secure DNA based access control model for cloud computing environment**”, *Future Generation Computer Systems*” (SCIE Indexed).
4. S.Namasudra and P. Roy, “**A new table based protocol for data accessing in cloud computing**,” *Journal of Information Science and Engineering*, vol. 33, no. 3, pp. 585-609, 2017. DOI: 10.6688/JISE.2017.33.3.1 (SCIE Indexed).
5. Suyel Namasudra, Pinki Roy, “**A New secure authentication scheme for cloud computing environment**“, *Concurrency and Computation: Practice and Experience*, 2016.
6. S.Namasudra and P. Roy, ” **A New Table Based Protocol for Data Accessing in Cloud Computing**“, *Journal of Information Science & Engineering*, 2017 (SCIE indexed).
7. Suyel Namasudra, Pinki Roy, “**Secure and efficient data access control in cloud computing environment: A survey**“, *Journal of Multiagent and Grid Systems*, 2016(Scopus, Indexed).
8. Mousumi Sarkar , Koushik Saha , Suyel Namasudra, Pinki Roy “**An Efficient and Time Saving Web Service Based Android Application**”, *International Journal of Computer Science and Engineering (SSRG - IJCSE)*, August 2015 Edition.
9. Saswati Debnath and Pinki Roy “**Study of Speech Enabled Healthcare Technology**”, *International Journal of Medical Engineering and Informatics (IJMEI)*, Inderscience, (Scopus indexed)2017, (In press).
10. Pinki Roy, Pradip K. Das, “**Language Identification of Indian Languages based on Gaussian Mixture Model**”, *International Journal of Wisdom based Computing*, Volume 1(3), December 2011, ISSN 2231-4857, pp. 54-59.
11. Pinki Roy, Pradip K. Das, “**A Hybrid VQ-GMM Approach for Identifying Indian Languages** “, Springer, *International Journal of Speech Technology* June’2012, Vol.15, Issue-2, DOI: 10.1007/s10772-012-9152-6(Scopus Indexed).
12. Pinki Roy, Pradip K. Das, “**Comparison of VQ and GMM approach for Identifying Indian Languages**”, *International Journal of Applied Pattern Recognition*, IJAPR, Inderscience Publisher.

Dr. Samir Kumar Borgohain

Mr. Prabhakar Sharma Neog

Mr BiSwanath Dey

Mr. Pantha Kanti Nath

Dr. Saroj Kumar Biswas (32)

1. Manomita Chakraborty, **Saroj Kr. Biswas**, Biswajit Purkayastha, A Novel Ensembling Method to Boost Performance of Neural Networks, **Journal of Experimental & Theoretical Artificial Intelligence**, Taylor & Francis, Accepted (SCI journal, IF: 1.011)
2. Debashree Devi, **Saroj Kr. Biswas**, Biswajit Purakayastha, Learning in presence of Class Imbalance and Class Overlapping by using One-class SVM and Undersampling Technique, **Connection Science**, Taylor & Francis, Accepted (SCI journal, IF: 0.933)
3. Manomita Chakraborty, **Saroj Kr. Biswas**, Biswajit Purkayastha, Rule Extraction from Neural Network using Input Data Ranges Recursively, New Generation Computing, **Springer**, Accepted (SCI journal, IF: 0.657)
4. Heisnam Rohen Singh, **Saroj Kr. Biswas**, Rule Extraction from Neuro-fuzzy System for Classification using Feature Weights, International Journal of Fuzzy System Applications (IJFSA), **IGI Global**, Accepted (SCOPUS indexed)
5. Rajdeep Ghosh, Vikas Kumar, Nidul Sinha, **Saroj Kumar Biswas**, Motor imagery task classification using intelligent algorithm with prominent trial selection, Journal of Intelligent and Fuzzy Systems 35(1) pp. 1-10, 2018 **IOP Press** (SCI journal, IF 1.426)
6. Monali Bordoloi, **S. K. Biswas**, Keyword Extraction from Microblogs using Collective Weight, Social Network Analysis and Mining, **Springer**, Accepted (SCOPUS, ESCI indexed)
7. Rajdeep Ghosh, Nidul Sinha, **Saroj Kumar Biswas**, Automated Eye Blink Artifact Removal from EEG using Support Vector Machine and Autoencoder, **IET Signal Processing** Accepted (SCI journal, IF 1.345)
8. Sujit Kumar, **Saroj Kr. Biswas**, Debashree Devi, TLUSBoost Algorithm: A Boosting Solution for Class Imbalance Problem, Soft Computing, **Springer**, Accepted (SCI journal, IF 2.367)

9. Nilesh Dilipkumar Gharde, Dalton Meitei Thounaojam, Badal Soni, **Saroj K Biswas**, Robust perceptual image hashing using fuzzy color histogram, *Multimedia Tools and Applications*, **Springer**, DOI: 10.1007/s11042-018-6115-1, **Accepted (SCI journal, IF 1.541)**
10. **Saroj Kr. Biswas**, Intrusion Detection Using Machine Learning: A Comparison Study, *International Journal of Pure and Applied Mathematics*. Volume 118, No. 19, vol. 118, No. 19 2018, pp. 101-114. (**SCOPUS indexed**)
11. Heisnam Rohen Singh, **Dr. Saroj Kr. Biswas**, Transparent Neuro-fuzzy model for Linguistic variables selection and rule-based classification, *International Journal of Pure and Applied Mathematics*. vol. 118, No. 19, 2018, pp. 85-100. (**SCOPUS indexed**)
12. Monali Bordoloi, **Dr. S. K. Biswas**, Sentiment Analysis of Product using Machine Learning Technique: A Comparison among NB, SVM and MaxEnt, *International Journal of Pure and Applied Mathematics*. vol. 118, No. 19, 2018, pp. 71-83. (**SCOPUS indexed**)
13. Manomita Chakraborty, **Saroj Kr. Biswas**, Biswajit Purkayastha, Recursive Rule Extraction from Neural Network using Reverse Engineering Technique, *New Generation Computing*, DOI: 10.1007/s00354-018-0031-9, **Springer, Accepted (SCI journal, IF: 0.657)**
14. **Saroj Kr. Biswas**, Monali Bordoloi, Shreya Jacob, A Graph Based Keyword Extraction Model using Collective Node Weight, *Expert Systems with Applications*, **Elsevier**, Vol. 97, pp. 51-59 **Accepted (SCI journal, IF: 3.928)**
15. **Saroj Kr. Biswas**, Debashree Devi, Manomita Chakraborty: Hybrid Case Based Reasoning System by Under Sampling and Cost Sensitive Neural Network for Classification, *Journal of Organizational and End User Computing*, IGI Global, vol. 30, no. 4, pp. 104-122 · October 2018 (**SCI journal, IF: 0.759**)
16. **Saroj Kr. Biswas**, Manomita Chakraborty, Biswajit Purakayastha: Rule Extraction from Neural Network using Classified and Misclassified Data: *International Journal on Artificial Intelligence Tools*, **World Scientific** Vol. 26, No. 3 pp.1-26, 2017 (**SCI journal, IF: 0.504**)
17. **Saroj Kr. Biswas**, Manomita Chakraborty, Biswajit Purakayastha: A Rule generation Algorithm from Neural Network using Classified and Misclassified Data: *International Journal of Bio-Inspired Computation*, **Inderscience**, Vol. 11 No.1, pp. 60-70, 2018, (**SCI journal, IF: 1.538**)
18. Debashree Devi, **Saroj Kr. Biswas**, Biswajit Purakayastha: REDUNDANCY-DRIVEN MODIFIED TOMEK LINK BASED UNDERSAMPLING: A SOLUTION TO CLASS IMBALANCE, *Pattern Recognition Letters*, **Elsevier**, Vol. 93, pp. 3-12, 2017 (**SCI journal, IF: 2.002**)
19. **Saroj Kr. Biswas**, Monali Bordoloi, Biswajit Purakayastha: Review on Feature Selection and Classification using Neuro-Fuzzy Approaches, *International Journal of Applied Evolutionary Computation*, **IGI Global**, vol. 7 no. 4, pp. 28-44, 2016.

20. 13. Heisnam Rohen Singh, **Saroj Kr. Biswas**, Biswajit Purakayastha: A Neuro-fuzzy Classification Technique using Dynamic Clustering and GSS Rule Generation, Journal of Computational and Applied Mathematics, **Elsevier** vol. 309, pp. 683-694, 2016-2017 (**SCI journal, IF: 1.328**)
21. **Saroj Kr Biswas**, Monali Bordoloi, Heisnam Rohen Singh, Biswajit Purkayastha: A Neuro-fuzzy Rule-based Classifier Using Important Features and Top Linguistic Features, International Journal of Intelligent Information Technologies (IJIIT), vol. 12, issue 3 pp. 38-50, 2016, **IGI Global (SCOPUS, SSCI(web of science))**
22. **Saroj Kr Biswas**, Nidul Sinha, Biswajit Purakayastha, Leniency Marbaniang: Weather Prediction by Integrating Recurrent Neural Network Dynamics into Case Based Reasoning, International Journal of Knowledge Based Computer Systems, vol. 4, issue. 1 pp. 1-17, PublishingIndia.com, 2015.
23. **Saroj Kr. Biswas**, Manomita Chakraborty, Heisnam Rohen Singh, Debashree Devi, Biswajit Purkayastha, Akhil Kr. Das, Hybrid Case Based Reasoning System by Cost Sensitive Neural Network for Classification, Soft computing, **Springer**, vol. 21, Issue 24, pp. 7579–7596, 2017, (**SCI journal, IF: 1.630**)
24. **Saroj Kr Biswas**, Nidul Sinha, Biswajit Purakayastha, Recent trends in CBR, challenges and future directions: a critical review” International Journal of Knowledge Based Computer Systems, PublishingIndia.com, Accepted, 2015, In press.
25. **Saroj Kr Biswas**, Barnana Baruah, Nidul Sinha and Biswajit Purkayastha, A Hybrid CBR Classification Model by Integrating ANN into CBR, International Journal of Services Technology and Management, **Inderscience**, vol. 21, Nos. 4/5/6, pp. 272-293, 2015. (**SCOPUS, ESCI(web of science)**)
26. **Saroj Kr. Biswas**, Barnana Baruah, Biswajit Purkayastha, Manomita Chakraborty, An ANN Based Classification Algorithm for Swine Flu Diagnosis , International Journal of Knowledge Based Computer Systems, PublishingIndia.com, vol. 3, issue 1, pp. 1-12, 2015.
27. **Saroj Kr Biswas**, Leniency Marbaniang , Biswajit Purkayastha, Manomita Chakraborty, Heisnam Rohen Singh, Monali Bordoloi, Rainfall Forecasting by Relevant Attributes Using Artificial Neural Networks – A Comparative Study, International Journal of Big Data Intelligence, **Inderscience**, vol.3 no. 2, pp. 111-121, 2015.
28. **Saroj Kr Biswas**, Nidul Sinha, Biswajit Purakayastha, Leniency Marbaniang, Hybrid expert system using case based reasoning and neural network for classification, Biologically Inspired Cognitive Architectures, **Elsevier**, vol. 9, pp. 57– 70, 2014 (**SCI journal, IF: 1.074**)
29. **Saroj K. Biswas**, Nidul Sinha, Biswajit Purkayastha, A review on fundamentals of case-based reasoning and its recent application in different domains, International Journal of Advanced Intelligence Paradigms, **Inderscience**, vol. 6, no.3, pp. 235-254, 2014(**SCOPUS journal**)

30. **Saroj Kr Biswas**, Nidul Sinha, Biswajit Purakayastha, Leniency Marbaniang, Weather Prediction by Recurrent Neural Network Dynamics, International Journal of Intelligent Engineering Informatics, **Inderscience**, vol. 2, nos. 2/3, pp. 166-180, 2014 (**ESCI journal**).
31. **Saroj K. Biswas**, Nidul Sinha, Barnana Baruah, Biswajit Purkayastha, Intelligent Decision Support System of Swine Flu Prediction using Novel Case Classification Algorithm, Int. J. Knowledge Engineering and Data Mining, **Inderscience**, vol. 3, No. 1, pp. 1-19, 2014.
32. **Saroj Kr. Biswas**, Akhil Kr. Das, Dr. Biswajit Purkayastha, Dibyendu Barman, Techniques for Efficient Case Retrieval and Rainfall Prediction Using CBR and Fuzzy Logic, International Journal of Electronics Communication and Computer Engineering, vol. 4, issue 3, pp.692-698, 2013.

Dr. Dalton Meitei Thounaojam (10)

1. Dalton Meitei Thounaojam, Vivek Singh Bhadouria, Sudipta Roy and Kh. Manglem Singh, “**Shot boundary detection using perceptual and semantic information**”, International Journal of Multimedia Information Retrieval, Volume 6, Issue 2, pp 167–174, 2017
2. Barga Deori and Dalton Meitei Thounaojam, “**A Survey on Moving Object Tracking in Video**”, International Journal on Information Theory (IJIT), Vol.3, No.3, July 2014
3. Hidangmayum Saxena Devi, Dalton Meitei Thounaojam, Romesh Laishram, “**An approach to Illumination and Expression Invariant Multiple Classifier Face Recognition**”, International Journal of Computer Applications, Volume 91- No.- 15, April 2014.
4. Dalton Meitei Thounaojam, Thongam Khelchandra, Kh. Manglem Singh, and Sudipta Roy, “**A Genetic Algorithm and Fuzzy Logic Approach for Video Shot Boundary Detection**”, Computational Intelligence and Neuroscience, Volume 2016, Article ID 8469428, 11 pages, 2016
5. Dalton Meitei Thounaojam, Sudipta Roy, and Kh. Manglem Singh, “**Video Shot Boundary Detection using Gray Level Cooccurrence Matrix**”, Indian Journal of Science and Technology, vol. 9(7), February 2016
6. Hidangmayum Saxena Devi, and Dalton Meitei Thounaojam, “**Heterogeneous Techniques used in Face Recognition: A Survey**”, ADBU Journal of Engineering, Vol 3, 2015.
7. Saroj K Biswas, Manomita Chakraborty, Biswajit Purkayashtha, Pinki Roy, Dalton Meitei Thounaojam, “**Rule Extraction from training data using Neural Network**”, Int. J. on Artificial Intelligence Tools, vol. 26(3), 2017.
8. Badal Soni, Pradip K Das, and Dalton Meitei Thounaojam, “**CMFD: a detailed review of block-based and key feature based technique in image copy-move forgery detection**”, IET Image Processing, vol. 12(2), 2018.

9. Chitralkha Chongtham, M J Sanda Khumanthem, Y Jina Chanu, Neelima Arambam, Dalton Meitei Thounaojam, P Roji Chanu, Kh Manglem Singh, “**A Copyright Protection Scheme for Videos Based on the SIFT**”, Iranian Journal of Science and Technology, Transaction of Electrical Engineering, vol. 42(1), 2018.
10. Badal Soni, Pradip K Das, and Dalton Meitei Thounaojam, “**Dual System for Copy-move Forgery Detection using Block-based LBP-HF and FWHT Features**”, Engineering Letters, vol. 26(1), 2018.

Dr. Badal Soni (08)

1. Badal Soni, Pradip K. Das, Dalton Meitei Thounaojam, “**Geometric transformation invariant block based copy-move forgery detection using fast and efficient hybrid local features**”, Published in Elsevier, **Journal of Information Security and Applications**, 2019, DOI: <https://doi.org/10.1016/j.jisa.2019.01.007> , Vol. 45, pp. 44-51.
2. Badal Soni, Pradip K. Das, Dalton Meitei Thounaojam, “**Keypoints based enhanced multiple copymove forgeries detection system using density-based spatial clustering of application with noise clustering algorithm**”, Published in **IET Journal of Image Processing**, 2018, DOI: 10.1049/iet-ipr.2018.5576 , Print ISSN 1751-9659, Online ISSN 1751-9667.
3. Badal Soni, Pradip K. Das, Dalton Meitei Thounaojam, “**CMFD: A detailed review of block based and key feature based techniques in image copy-move forgery detection**”, Published in **IET Journal of Image Processing**, 2017, DOI: 10.1049/iet-ipr.2017.0441, ISSN:1751-9667, Vol.12, issue:2, pp.167-178.
4. Badal Soni, Pradip K. Das, and Dalton Meitei Thounaojam, “**Dual System for Copy-move Forgery Detection using Block-based LBP-HF and FWHT Features**,” **Engineering Letters**, vol. 26, no.1, pp. 171-180, 2018.
5. Badal Soni, Saswati Debnath, Pradip k. Das, “**Text-dependent speaker verification using classical LBG, adaptive LBG and FCM vector quantization**”, Published in **International Journal of Speech Technology Springer**, 2016, DOI:10.1007/s10772-016-9346-4, ISSN 1381-2416, Vol.19, issue:3, pp.525-536.
6. Nilesh Dilipkumar Gharde, Dalton Meitei Thounaojam, Badal Soni, Saroj Kr. Biswas, “**Robust perceptual image hashing using fuzzy color histogram**”, Published in **Multimedia Tools and Applications, Springer**, Jun 2018.
7. Rajib Kumar Jha, Badal Soni, Kiyoharu Aizawa, “**Logo Extraction from Audio Signals by Utilization of Internal Noise**”, Published in **IETE Journal of research**, vol.59, issue: 3, pp.270-279, DOI:10.4103/0377-2063.116092 (**Taylor & Francis Online**).
8. K Sonavane, Badal Soni, Umakanta Majhi, “**Survey on Automatic Number Plate Recognition (ANR)**”, Published in **International Journal of Computer Applications**, 2015.

Mr. Ripon Patgiri (06)

1. Ripon Patgiri, Sabuzima Nayak, and Samir Kumar Borgohain, “**Hunting the Pertinency of Bloom Filter in Computer Networking and Beyond: A Survey**“, Journal of Computer Networks and Communications, 2018, Accepted.
2. Ripon Patgiri, Sabuzima Nayak, and Samir Kumar Borgohain, “**ScaleBF: A High Scalable Membership Filter using 3D Bloom Filter**“, International Journal of Advanced Computer Science and Applications, Vol. 9 No. 12, 2018, DOI: [10.14569/IJACSA.2018.091277](https://doi.org/10.14569/IJACSA.2018.091277).
3. Ripon Patgiri, Sabuzima Nayak, and Samir Kumar Borgohain, “**Role of Bloom Filter in Big Data Research: A Survey**“, International Journal of Advanced Computer Science and Applications, Vol. 9, No. 11, 2018, DOI: [10.14569/IJACSA.2018.091193](https://doi.org/10.14569/IJACSA.2018.091193). [Download PDF](#).
4. Ripon Patgiri, Sabuzima Nayak, and Samir Kumar Borgohain, “**Preventing DDoS using Bloom Filter: A Survey**“, EAI Endorsed Transaction on Scalable Information Systems, Vol. 5, No. 19, DOI: [10.4108/eai.19-6-2018.155865](https://doi.org/10.4108/eai.19-6-2018.155865). [Download PDF](#).
5. Dipayan Dev and Ripon Patgiri, “[Dr.Hadoop : An Infinite Scalable Metadata Management for Hadoop—How the baby elephant becomes immortal!](#)“, Springer – Frontiers of Information Technology & Electronic Engineering, Vol. 17, Issue 1, January, 2016, DOI:[10.1631/FITEE.1500015](https://doi.org/10.1631/FITEE.1500015). [Selected one of the best paper among 270 published paper in FITEE from 2016-2017, and offered open access with the cost of FITEE in Springer Link]. [Download PDF](#).
6. Rajdeep Das, Rohit Pratap Singh, and Ripon Patgiri, “[MAPREDUCE SCHEDULER: A 360-DEGREE VIEW](#)“, International Journal of Current Engineering and Scientific Research (IJCESR), Volume-3(11), 2016, pp. 88-100.

Mr. Umakanta Majhi

Dr. Shyamosree Pal (05)

1. P. Bhowmick and S. Pal, Fast Circular Arc Segmentation Based on Approximate Circularity and Cuboid Graph, Journal of Mathematical Imaging and Vision, Vol. 49, No. 1, pp. 98-122, 2014.
2. S. Pal and P. Bhowmick, Determining Digital Circularity Using Integer Intervals, Journal of Mathematical Imaging and Vision, Vol. 42, No. 1, pp. 124, 2012.

3. S. Pal, R. Dutta, and P. Bhowmick Circular Arc Segmentation by Curvature Estimation and Geometric Validation, DOI:10.1142/S0219467812500246, International Journal of Image and Graphics, Vol. 12, No. 4, 2012.
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Dr. Shyamapada Mukherjee (04)

1. Shyamapada Mukherjee, Suchismita Roy. Nearly-2-SAT Solutions for Segmented Channel Routing, IEEE Transaction on Computer Aided-Design of Integrated Circuits and Systems, Volume 35, Issue 1, Jan 2016, Pages 128-140.
2. Shyamapada Mukherjee, Suchismita Roy, SAT based solutions for detailed routing of island style FPGA architectures, Microelectronics Journal, Elsevier, Volume 46, Issue 8, August 2015, Pages 706-715.
3. Shyamapada Mukherjee, Suchismita Roy. Via-Aware Dogleg Router using Boolean Satisfiability, *J CIRCUIT SYST COMP* **26**, 1750064 (2017) [24 pages]
4. Shyamapada Mukherjee, Suchismita Roy. 2012. Testing the Effect of different Switch Box Architectures on Detailed Routing in FPGA. International Journal of Computer Applications, 2012, Volume iC3S, Number 5, pages 1-5.

Dr. Laiphrakpam Dolendro Singh (07)

1. Khoirom Motilal Singh, Laiphrakpam Dolendro Singh, Themrichon Tuithung, “Cryptanalysis of multimedia encryption using elliptic curve cryptography“, Optik, Vol. 168, pp. 370-375, 2018, DOI: <https://doi.org/10.1016/j.ijleo.2018.04.068>.
2. Laiphrakpam Dolendro Singh and Khumanthem Manglem Singh, “Medical image encryption based on improved ElGamal encryption technique”, Optik, Vol. 147, pp. 88-102, 2018, DOI: <http://dx.doi.org/10.1016/j.ijleo.2017.08.028>
3. Laiphrakpam Dolendro Singh and Khumanthem Manglem Singh, “Visually Meaningful Multi-image Encryption Scheme”, Arabian Journal for Science and Engineering, 2018, DOI: <https://doi.org/10.1007/s13369-018-3104-7>
4. Laiphrakpam Dolendro Singh and Khumanthem Manglem Singh, “A robust image encryption scheme based on chaotic system and elliptic curve over finite field”, Multimedia Tools Application, Vol. 77, pp. 8629–8652, 2018, DOI: <https://doi.org/10.1007/s11042-017-4755-1>

5. Laiphrakpam Dolendro Singh and Khumanthem Manglem Singh, "Cryptanalysis of symmetric key image encryption using chaotic Rossler system", *Optik*, Vol. 135, pp. 200-209, 2017, DOI: <http://dx.doi.org/10.1016/j.ijleo.2017.01.062>
6. Laiphrakpam Dolendro Singh and Khumanthem Manglem Singh, "Implementation of Text Encryption using Elliptic Curve Cryptography", *Procedia Computer Science*, Vol. 54, pp. 73 – 82, 2015.
7. Laiphrakpam Dolendro Singh and Khumanthem Manglem Singh, "Image Encryption using Elliptic Curve Cryptography", *Procedia Computer Science*, Vol. 54, pp. 472 – 481, 2015.

Dr. Malaya Dutta Borah (05)

1. **Malaya Dutta Borah**, Rajni Jindal, "An approach for high utility incremental pattern mining", *International Journal of Data Analysis Techniques and Strategies*, Vol.10, No. 2, pp. 124-152, 2018. DOI: <https://doi.org/10.1504/IJDATS.2018.092445>.
2. **Malaya Dutta Borah**, Rajni Jindal, "A study on Incremental Mining of Frequent Patterns", *Journal of Fundamental and Applied Sciences*. Vol. 10, No. 2, pp. 97-112, 2018. DOI: <http://dx.doi.org/10.4314/jfas.v10i2.8>.
3. Rajni Jindal, **Malaya Dutta Borah**, "A novel approach for mining frequent patterns from incremental data", *International Journal of Data Mining, Modelling and Management*, Vol. 8, No.3, DOI: 10.1504/IJDM.2016.079071.
4. Rajni Jindal, **Malaya Dutta Borah**, "Predictive Analytics in Higher Educational Context", *IT Professional*, IEEE, Vol. 17, Issue 4, pp. 24-33, 2015 DOI: 10.1109/MITP.2015.68.
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Dr. Suganya Devi K