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ABHOY CHAND MONDAL
M.Sc., M.C.A., Ph.D.

**Professor, Dept. of Computer Science,
The University of Burdwan**

Positions Held

| 1996 – Present | **Professor**
Dept. of Computer Science | *The University of Burdwan* |

Education

2004	**Ph.D. in Computer Science**	*The University of Burdwan*
1992	**M.C.A.**	*Jadavpur University*
1989	**M.Sc. in Mathematics**	*Jadavpur University*
1987	**B.Sc. in Mathematics**	*The University of Burdwan*

Research

Research Interests

Natural Language Processing · Information Retrieval · Sentiment Analysis · Opinion Mining · Soft Computing · Fuzzy Logic · Neural Networks · Big Data Analytics

PhD Awardees

Name	Thesis Title	Year
Dipendranath Ghosh	A Parallel Computational Approach to Investigate the Variability of Time Dependent Data	2008
Amartya Neogi	Studies on Performance Evaluation of Indian Education Using Fuzzy System	2013
Taraknath Paul	Studies on Shortest Path Using Genetic Algorithm	2015
Biswajit Halder	Studies on Automatic Authentication of Printed Security Documents	2016
Sumanta Ray	Studies on Performance Evaluation of Medical Education System Using Classification Models	2018
Pabitra Kumar De	Studies on Multi Criteria Optimum Computation in IPL Using Expert System	2018

Correspondence Address:

Dept. of Computer Science,
The University of Burdwan,
Golapbag, Burdwan 713104, West
Bengal

Languages:

English, Bengali, Hindi (speak)

Date of Birth:

27 February, 1964

Marital Status:

Married

PhD *Awardees*

Name	Thesis Title	Year
Madhusudan Chakraborti	A Study of Reverse Conversion Algorithms for Sig ned-digit number systems	2019
Amitabha Bandyopadhyay	Study and Improvement of Software Quality using Data Mining Techniques	2022
Santanu Modak	A Computational Study of Sentiment Analysis from User Opinion	2022

PhD *Scholars* currently registered

Name	Thesis Title
Sumanta Dawn	Automatic Recognition of Offline OLCHIKI Script
Saikat Banerjee	Machine Learning Based Prediction system Towards Agriculture
SK Anamul Hoda	Studies on detection of human disease using Multi-criteria decision-making and machine learning
Dipankar Chatterjee	Studies on Reliability as a service in IOT environment
Sonali Mondal Das	Studies on detection of Cancer using Machine Learning algorithm
Joyeta Chandra	Studies of Stock Market based Sentiment Analysis using Machine Learning

📖 *Book Chapters*

1. Santanu Modak, Abhoy Chand Mondal, "**Sentiment Analysis of Twitter Data Using Clustering and Classification**", Lecture Notes in Electrical Engineering, 2023, 1056 LNEE, pp. 585–592. Spinger (Indexing: Scopus).

2. A. Neogi, A.C. Mondal, S.K. Mondal, "**Computational Intelligence Using Type-2 Fuzzy Logic Framework**", pages 1-29, IGI GLOBAL(Jan. 2013).

3. S. Mitra, A.C. Mondal, "**Intelligence in Web Technology**", pages 739-757, IGI GLOBAL(Jan. 2013).

4. A.C. Mondal, S. Karforma, "Computer **Fundamental and Programming in C**" (Copyright-2007), published by The Directorate of Distance Education, The University of Burdwan,Co-Author:Dr. S. Karforma.

5. A.C. Mondal, S. Karforma, "**Internet and E-Commerce**"(Copyright-2007),published by The Directorate of Distance Education, The University of Burdwan.

Journal Articles

2024

1. Sumanta Daw, Dr. Abhoy Chand Mondal. "*An Effective Deep Learning Approach for Handwritten Ol-Chiki Character Recognition*", International Journal for Multidisciplinary Research on Vol. 3, Issue-3, 2024,E-ISSN: 2582-2160 (Scopus Index)

2. Saikat Banerjee, Abhoy Chand Mandol, 2024 "*An Adept Approach Towards Soil Productivity Detection Using Convolutional Neural Network Based Model*", International Journal of ADVANCED AND APPLIED SCIENCES (IJAAS), [Accepted] Scopus Index) (Web of Science Core Collection (Emerging Sources Citation Index) (Since 2015))

3. Banerjee, Saikat, and Abhoy Chand Mondal. "*An Intelligent Approach towards Plant Leaf Disease Detection through Different Convolutional Neural Networks*." International Journal of Intelligent Systems and Applications in Engineering 12, no. 2 (2024): 536-546 (Scopus Index)

4. Soumitra Das, Saikat Banerjee, Prof. Dr. Abhoy Chand Mondal. *"Plant Leaf Disease Detection by Deep Learning: A Literature Review",* International Journal of Scientific and Research Publications, Volume 14, Issue 4, April 2024 88 ISSN 2250-3153. DOI: 10.29322/IJSRP.14.04.2024.p14811

5. Hoda, Sk Anamul, and Abhoy Chand Mondal. "*Detection of Diabetes using Machine learning algorithms and Simple Additive Weighting(SAW).",* International Journal of Computer Vision(Indexing: Scopus &SCIE) 2024 Journal article.

6. Saikat Banerjee, Abhoy Chand Mandol, 2024, "*An Innovative Approach Involves Machine Learning Algorithms to Forecast Future Farmer Revenue*".International Journal of Electrical and Electronics Engineering – IJEEE(Scopus Index)[Accepted]

7. Hoda, Sk Anamul, and Abhoy Chand Mondal. "*A SURVEY ON GENETIC INHERITED CANCER DETECTION OF HUMANS USING MACHINE LEARNING*", ACM Transactions on Computing for Healthcare - Communicate 2024 Journal article. (Scopus Index)

8. Saikat Banerjee, Soumitra Das, Abhoy Chand Mandol, " *An intelligence technique for route distance minimization to store and marketize the crop using computational optimization algorithms*", Agricultural Economics, (Scopus & SCIE Index) [Communicated]

2023

9. Banerjee,Saikat,andAbhoyChandMondal."*A Region-Wise Weather Data-Based Crop Recommendation System Using Different Machine Learning Algorithms.*"International Journal of Intelligent Systems and Applications in Engineering 11.3(2023):283-297. (Scopus Index)

10. Banerjee, S., and A. C. Mondal. "*An intelligent approach to reducing plant disease and enhancing productivity using machine learning.*" International Journal on Recent and Innovation Trends in Computing and Communication 11, no. 3 (2023): 250-262. (Scopus Index)

11. Banerjee, Saikat, Shubha Chakraborty, and Abhoy Chand Mondal. "*Machine learning based crop prediction on region wise weather data.*" International Journal on Recent and Innovation Trends in Computing and Communication 11, no. 1 (2023): 145-153. (Scopus Index)

12. Hoda, Sk Anamul, and Abhoy Chand Mondal. "*An MCDM Approach for Enhancing Breast Cancer Diagnosis Using AHP and Bidirectional RNN with Bayesian Optimization.*" (2023), Research Square, DOI : 10.21203/rs.3.rs-3258473/v1.

13. Banerjee, Saikat, and Abhoy Chand Mondal. "*An ingenious method for estimating future crop prices that emphasises machine learning and deep learning models.*" International Journal of Information Technology 15, no. 8 (2023): 4291-4313. (Scopus Index)

14. Hoda, Sk Anamul, and Abhoy Chand Mondal. "*Studies on Multi-Criteria Decision-Making-Based Healthcare Systems Using the Machine Learning.*" Journal of Artificial Intelligence and Technology 3, no. 2 (2023): 53-59. (Scopus Index)

15. Banerjee, S., and A. C. Mondal. "*An intelligent approach to reducing plant disease and enhancing productivity using machine learning."* International Journal on Recent and Innovation Trends in Computing and Communication 11, no. 3 (2023): 250-262. (Scopus Index)

16. Banerjee, Saikat, and Abhoy Chand Mondal. "*A Region-Wise Weather Data-Based Crop Recommendation System Using Different Machine Learning Algorithms*." International Journal of Intelligent Systems and Applications in Engineering 11, no. 3 (2023): 283-297. (Scopus Index)

2022

17. Modak, Santanu, and Abhoy Chand Mondal. "*Sentiment analysis of twitter data using clustering and classification.*" In Proceedings of Third International Conference on Computing, Communications, and Cyber-Security: IC4S 2021, pp. 651-664. Singapore: Springer Nature Singapore, 2022. (Scopus Index)

18. Sumanta Daw, Abhoy Chand Mondal, Rabi Sankar Panday, Sumanta Ray, Baidyanath Sou, Sanat Kumar Mahato*. "Handwriten Ol-Chiki Character Recognition using Convolution Neural Network",* Journal of scientific Enquiry(Sidhu – Kanho – Birsha University), Volume- 2, Issue- 2, Page- 6-9, 2022.

19. Hoda, Sk Anamul, and Abhoy Chand Mondal. " *A Study of Data Security on E-Governance using Steganographic Optimization Algorithms*." International Journal on Recent and Innovation Trends in Computing and Communication, 2022, ISSN: 2321-8169, DOI: 10.17762/ijritcc.v10i5.5548. (Scopus Index)

2019

20. Modak, Santanu, and Abhoy Chand Mondal. "*A Comparative Study between Factor Based Sentiment and Overall Sentiment.*", International Journal of Computer Sciences and Engineering, Vol.7, Special Issue.1, Jan 2019, E-ISSN: 2347-2693. (Scopus Index)

21. M.S. Chakraborty, T. Ghosh, A.C. Mondal, "*An Unified Framework for Verifying Reverse Conversion Algorithms for Signed – Digit Number Systems*", International Journal of Computer Sciences and Engineering, Vol.7, Special Issue.1, Jan 2019, E-ISSN: 2347-2693. (Scopus Index)

22. Mondal,A.C.,andS.Kolay."*Feature Dimension Reduction Using Euclidean Distance Oriented Similarity Based Rough Set Model.*", International Journal of Computer Sciences and Engineering, Vol.7, Special Issue.1, Jan 2019, E-ISSN: 2347-2693. (Scopus Index)

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23. Chakraborty, Madhu S., Sandip K. Sao, and Abhoy Chand Mondal. "*Equivalence of reverse conversion of binary signed-digit number system and two's-complement to canonical signed-digit recording.*" In *2018 4th International Conference on Recent Advances in Information Technology (RAIT)*, pp. 1-5. IEEE, 2018. (Scopus Index)

2017

24. S.Ray,A.C.Mondal, P.Mukhopadhyay, A.Neogi , "*A Computational Model to Identify the Manner of Death in Head Injury using Classification Methods*", International Journal of Computing and Applications, Published by Serials Publicatuions,2017, ISSN: 0973-5704.

25. S. Ray, A.C.Mondal, A.Neogi, K.Dey, "*A Study to Evaluate Symptoms in Essential Hypertension using Random Forest Decision Tree Algorithm*", INDIAN SCIENCE CRUISER(International Scientific Journal), published by Institute of Science, Education and Culture, Vol.-31, No.4, July 2017 pp.28-35, ISSN:0970-4256(UGC Approved).

26. Biswajit Halder and Abhoy C. Mondal, "*Modelling of Ink-Colour degradation on old printed documents*", *InderScience*, International Journal of Computational Vision and Robotics (IJCVR 2017), IJCVR-83454, Vol-7, Issue-4, pp.398-410. (Scopus Index)

27. A.C.Mondal, S.Ray, "*A new student ranking system by identifying important parameters using principal component analysis :A case study for class10levelstudents*",International Journal of Advanced Research in Computer Science & Technology(IJARCST). ISSN: 2347-8446(Online),ISSN: 2347-9817(Print), January to March 2017.

2016

28. M. S. Chakraborty, A. C. Mondal, *Reverse Conversion Scheme for Signed – digit Number System: Transforming Radix – complement output*, IJEECS/ Telkomnika (Scopus-indexed), Vol. 4, No. 3, 2016, pp. 589 – 593. (e-ISSN: 2250 – 2114, p-ISSN: 2250 – 2106)

29. A.C.Mondal,S.Ray, "*A new student ranking system by identifying important parameters using principal component analysis:A case study for class 10 level students*", International Journal of Advanced Research in Computer Science & Technology(IJARCST), 2016, Volume 5, Issue 1, **ISSN:** 2347-8446(Online),**ISSN:** 2347-9817(Print).

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30. Paul, T. N., and A. C. Mondal. "*Set of shorter paths and network delay deduction using genetic algorithm*." *IEEE ISACC-2015, Assam University* (2015). (Scopus Index)

31. Sumanta Ray, A.C.Mondal, A.Neogi, "*Studies on Performance Evaluation of Homeopathic Medicine for Essential Hypertension using Fuzzy Systems*", INDIAN SCIENCE CRUISER(International Scientific Journal), ISSN:0970-4256(Print). Vol.-29,No.- 2,March-2015

32. A.C.Mondal,S.Ray, K.Dey,A.Neogi, "*Studies on Performance Evaluation of Homeopathic Treatment for Essential Hypertension Using Principle Component Analysis*",The Journal of Management, Information Technology and Journalism, IMS Manthan, Noida(India), ISSN:0974-7141(Print),Jan-June Edition,2015,Vol.- X, Issue 1.

33. P.K. Dey, D.N. Ghosh, A.C. Mondal, "IPL team *performance analysis: a multi-criteria group decision approach infuzzy environment*", IJ Information Technology and Computer Science 8, 8-15, 2015.

34. Sohom Ghosh, SantanuModak, Abhoy Chand Mondal," *A Model of Opinion Mining for Classifying Movies*", International Journal of Advanced Research in Computer Science & Technology (IJARCST 2015), Vol. 3, Issue 1 (Jan. - Mar. 2015), ISSN : 2347 - 8446 (Online) ISSN : 2347 - 9817 (Print)

35. Paul, Tarak Nath, and Abhoy Chand Mondal. "*Set of shorter paths using genetic algorithm and evaluating network delay.*" In 2015 International Symposium on Advanced Computing and Communication (ISACC), pp. 346-351. IEEE, 2015.

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39. M. S. Chkraborty, T. Ghosh, A. C. Mondal, Notes on "*a novel conversion scheme from a redundant binary number to two's complement binary number for parallel architectures* " proposed by Choo et. al. 103 (5), 2014, pp 5 – 7, IJCA.

40. Santanu Modak, A.C.Mondal, "*A Model of Structured Opinion Format*", International Journal of Advance Research in Computer science and Software Engineering, ISSN(Online): 2277 128X, ISSN(Print): 2277 6451, Volume 4, Issue 5, May 2014, Page 147 – 151. DOI : 10.13140/RG.2.2.34533.12005.

41. S.Modak,A.C.Mondal,"*A Study on Sentiment Analysis*", International Journal of Advanced Research in Computer Science and Technology(IJARCST 2014),Vol.-2,Issue-2,Version-2,April-June-2014.ISSN-2347-8446(online),ISSN-2347-9817(print)

42. Sohom Ghosh, Santanu Modak and Abhoy Chand Mondal, " *A Model to Compute Degree of Polarity of Review Titles*", Annals of Pure and Applied Mathematics, Vol. 7, No. 1, 2014, 65-70 ISSN: 2279-087X (P), 2279-0888(online), Published on 9 September 2014, www.researchmathsci.org.

43. Santanu Modak, Abhoy Chand Mondal, " *A Comparative study of Classifiers' Performance for Gender Classification*", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 2, Issue 5, May 2014, ISSN(Online): 2320-9801 ISSN (Print): 2320-9798.

44. Santanu Modak, Abhoy Chand Mondal, " *A study on Sentiment Analysis*", International Journal of Advanced Research in Computer Science & Technology, 2014

45. P.K. Dey, A Banerjee, D.N. Ghosh, A.C. Mondal, "*AHP-neural network based player price estimation in IPL*", International Journal of Hybrid Information Technology 7 (3), 15-24, 2014.

46. Paul, T. N., and A. C. Mondal. "*Amalgamation of graphs do not affect the search of the set of shorter paths algorithm.*" *Int. J. Adv. Comput. Res* 4, no. 14 (2014): 184-192.

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2013

48. S Maitra, AC Mondal, '*Intelligence in Web Technology*', Handbook of Research on Computational Intelligence for Engineering, Science …, 2013.

49. Pabitra Kumar Dey, Abhoy Chand Mondal, "*Compute Attributes Contribution for Player Pricing in IPL*", in Annals of Pure and Applied Mathematics (APPM), ISSN: 2279-087X (P), 2279-0888(online), Vol. 5, No.1, 11-16, November 2013,available: http://www.researchmathsci.org/APAMtoc.html

50. Sumanta Daw, Dr. A. C. Mondal, "*A Font Invariant OlChiki Basic Character Recognition using Digital Curvlet Transformation*", published in International Journal of Mathematics and Computational methods in Science and Technology (ISSN: 2249-8915), September-2013.

51. T.N. Paul, A.C. Mondal, "*Search the set of shorter paths using graph reduction technique*", International Journal of Advanced Computer Research 3 (4), 184, 2013.

52. P.K. Dey, D.N. Ghosh, A.C. Mondal, "*Multi-criteria decision tree approach to classify all-rounder in Indian premier league*", International Journal of Advanced Science and Technology 52, 93-100, 2013

53. Dey, Pabitra Kumar, Dipendra Nath Ghosh, and Abhoy Chand Mondal. "*Modified group decision algorithm for performance appraisal of Indian premier league cricketers*." *WSEAS Transactions on Information Science and Applications (WSEAS-ToISA), E-ISSN* (2013): 2224-3402.

2005 - 2012

54. Pabitra Kumar Dey, Dipendra Nath Ghosh and Abhoy Chand Mondal, "*Multi-Criteria Decision Tree Approach to Classify All-rounder in Indian Premier League*", in International Journal of Advanced Science and Technology (IJAST-SERSC), ISSN: 2005-4238, Vol. 52, pp-93-100. Available: http://www.sersc.org/journals/IJAST.

55. D.N.Ghosh, K.Ghosh, A.C.Mondal, "*Finite Variable Scaling Analysis of Monthly Data of the Sunspot Numbers*", IJICS, 2006,Vol.8, No.2, pp.29-32.

56. D.N.Ghosh, K.Ghosh, A.C.Mondal, "*Search for Periodicity in a Time Series Data by Group Method of Data Handling Algorithm*", IJICS, 2007,Vol.9, No.2,pp.68-72.

57. A.Neogi,A.C.Mondal,S.K.Mandal, "*A Fuzzy Modeling approach to evaluate faculty Performance*", ACM Ubiquity, Vol 9, Issue 15, April 15-21, 2008.

58. A. Neogi, A.C.Mondal, S.K.Mandal, "*Evaluation of equal grade students using fuzzy logic*", International Journal of Information and Computing Science, Vol.13, No.1, June 2010.

59. A. Neogi, A.C.Mondal,S.K.Mandal, "*A cascaded fuzzy inference system for university non-teaching staff performance appraisal*", Journal of Information Processing Systems(Koria), Volume 7, Number 4, 2011, pp595-612.

60. Pabitra Kumar Dey, Dipendra Nath Ghosh and Abhoy Chand Mondal, "*A MCDM Approach for Evaluating Bowlers Performance in IPL*", in Journal of Emerging Trends in Computing and Information Sciences, ISSN 2079-8407, Vol-2, No-11, November 2011, pp- 563- 573. Available: http://www.cisjournal.org.

61. P.K.Dey,D.N.Ghosh,A.C.Mondal, "*Statistical Based Multi-Criteria Decision Making Analysis for Performance Measurement of Batsmen in Indian Premier League*"in International Journal of Advanced Research in Computer Science (IJARCS), ISSN 0976-5697, Vol. 3 No. 4 (July-August 2012), pp- 51-57. Available: http:// www.ijarcs.info.

62. Achintya K. Mandal, UtpalRoy,A.C.Mondal, "*E-Content Management and Delivery in Digital Library: A software approach*", Jr of IUP, March 2012.

63. Roy, Utpal, Achintya K. Mandal, and Abhoy Chand Mondal. "*A Simple Approach to E-Content Management and Delivery in Digital Library.*" IUP Journal of Information Technology 8, no. 1 (2012).

64. AK Mandal, AC Mondal, "*AN EFFECTIVE APPROACH FOR FEATURE BASED CLOUD IMAGE SEGMENTATION*".,IUP Journal.

Conference Paper

2024

1. Sumanta Daw, Dr. Abhoy Chand Mondal, *"Deep Learning Approach For Handwritten Ol-Chiki Character Recognition"*, Hinweis Second International Conference on Computer Science, Cyber Security and Information Technology on June-2024.

2. Hoda, Sk Anamul, and Abhoy Chand Mondal. "*PREDICTION OF HEART ATTACKS USING TOPSIS METHOD TO SELECT MACHINE LEARNING ALGORITHMS*", 2nd Doctoral Symposium on Human Centered Computing (Human - 2024) S N Computer journal(Indexing: Scopus, SCIE).

3. Sumanta Daw, Dr. Abhoy Chand Mondal, "*KNN and SVM based Handwritten Ol-Chiki Character Recognition over Geometry and Curvelet Based Feature*", Fifteenth International Conference on Advanced in Computing, Control and Telecommunication Technologies on June-2024.

4. Hoda, Sk Anamul, and Abhoy Chand Mondal. "*Studies to drug discovery towards genetic structure of humans to optimize side effects using machine learning*", 3rd International Conference (Research and innovation on Products) 2024 Springer And Geh Press USA, e-ISSN : 1860-4749, 2024.

5. Joyeta Chandra, A.C. Mondal*, "Studies of Machine Leaarning approach-based Sentiment analysis in Stock market : Motivation and New Direction",* National Seminar on Multidisciplinary Approch in Human and Social Science (Abstract Volume), 2024.

6. Sonali Mondal Das, A.C. Mondal *"Studies of Cancer using machine learning : A Survey",* National Seminar on Multidisciplinary Approch in Human and Social Science (Abstract Volume), 2024.

7. Joyeta Chandra, A.C. Mondal*, "Studies of Sentiment analysis using machine learning techniques on Stock market towards new research direction",* 6th Regional Science & Technology Congress (Region 3), 2023 – 24, Jointly organized by: Durgapur Government College and Department of Science & Technology and Biotechnology(DSTBT), Government of West Bengal.

2022 - 2023

8. Modak, Santanu, and Abhoy Chand Mondal. "*Sentiment analysis of twitter data using clustering and classification.*" In Proceedings of Third International Conference on Computing, Communications, and Cyber-Security: IC4S 2021, pp. 651-664. Singapore: Springer Nature Singapore, 2022.

9. Chatterjee, Dipankar, and A. C. Mondal. "*Quality of Service of the Internet of Things—A Survey of Current Research Trends for Evolving 5G-IoT Scenario.*" In International Conference on Advances in Data Science and Computing Technologies, pp. 585-592. Singapore: Springer Nature Singapore, 2022.

2021

10. Banerjee, Saikat, and Abhoy Chand Mondal. "*Nutrient food prediction through deep learning.*" In 2021 Asian conference on innovation in technology (ASIANCON), pp. 1-5. IEEE, 2021.

11. Mondal, Akash, and Saikat Banerjee. "*Effective crop prediction using deep learning.*" In 2021 International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON), pp. 1-6. IEEE, 2021.

2020

12. Banerjee, Saikat, and Abhoy Chand Mondal. " *A Brief Review of Machine Learning and Deep Learning Applications.*" In 2020 National Conference held at DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING, CMR INSTITUTE OF TECHNOLOGY, ISBN: 978-93-5416-737-9.

2018

13. Sumanta Daw, Dr. A. C. Mondal, "*A Hybrid Recognition System of Handwritten OlChiki Character and Digit*", has been accepted for presentation at the IJCNN 2018 and for publication in the conference proceedings published by IEEE World Congress on Computational Intelligence, July, 2018, Brazil.

14. Paul, Tarak Nath, and Abhoy Chand Mondal. "*Mutation in Path for the Packets in the Network During Journey from Source to Destination.*" In Advanced Computational and Communication Paradigms: Proceedings of International Conference on ICACCP 2017, Volume 2, pp. 279-288. Springer Singapore, 2018.

15. Ray,Sumanta, Abhoy Chand Mondal, Partha pratim Mukhopadhyay,and Amartya Neogi."*A Study to Identify the Manner of Death in Head Injury Using Classification Model*."IndianScienceCruiser(2018):26-35.

16. Chakraborty, Madhu S., Sandip K. Sao, and Abhoy Chand Mondal. "*Equivalence of reverse conversion of binary signed-digit number system and two's-complement to canonical signed-digit recording.*" In 2018 4th International Conference on Recent Advances in Information Technology (RAIT), pp. 1-5. IEEE, 2018.

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17. Kolay,Srikanta,Kumar Sankar Ray,andAbhoyChandMondal."*K+ means: An enhancement over k-means clustering algorithm.*"arXivpreprintarXiv:1706.02949(2017).

18. Ray, Sumanta, Abhoy Chand Mondal, Amartya Neogi, and Kaberi Dey. "*A Study to Evaluate Symptoms in Essential Hypertension Using Random Forest Decision Tree Algorithm*." Indian Science Cruiser (2017): 28-35.

19. Santanu Modak, Abhoy Chand Mondal , "*An Analytical Approach to Summarize Opinion about Movie*", International Conference on Modelling, Computing and Techhnological Innovations (ICMCTI – 2017), Organized by : University Institute of Technology, The University of Burdwan, March 23 – 25, 2017, Excel India Publisher, ISBN 978-93-86256-60-7.

2016

20. S. Ray, A.C. Mondal, "*Tourist Spot by using Principal Component Analysis*", in the proceedings of third International Conference of ICCS-2016, held at The University of Burdwan (Dept. of Computer Science), Burdwan, India.

21. S.Ray, A.C.Mondal," *A New Approach to Evaluate a Tourist Spot by using Principal Component Analysis*", in the proceedings of third International Conference of ICCS-2016, held at The University of Burdwan (Dept. of Computer Science), Burdwan, India.

22. Sarkar, S., A. Mondal, K. Dey, and R. Ray. "*Defect driven tailoring of colossal dielectricity of reduced graphene oxide.*" Materials Research Bulletin 74 (2016): 465-471.

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24. Santanu Modak, A.C.Mondal, "*A Model of Structured Opinion Format*", International Journal of Advance Research in Computer science and Software Engineering, ISSN(Online): 2277 128X, ISSN(Print): 2277 6451, Volume 4, Issue 5, May 2014, Page 147 – 151. DOI : 10.13140/RG.2.2.34533.12005.

25. Santanu Modak, Abhoy Chand Mondal , "*A New Defination of Opinion in Opinion Mining*", National Seminar on Recent Aspects in Mathematics and their Applications(NSRAMA 2014), Department of Applied Mathematics with Oceanlogy and Computer Programming, Vidyasagar University 25 – 26 February, 2014.

26. Santanu Modak, Abhoy Chand Mondal , "*Converting Unstructured Opinion to a Structured Format*", Short Team Course on Application of Soft Computing & Optimization Techniques in Engineering & Engineering Science (ASCTEES 2014), Dept. of Electrical Engineering, National Institute of Technology, Durgapuur – 713209, March 04 – 08, 2014.

27. Ghosh, Sohom, Santanu Modak, and Abhoy Chand Mondal. "*A Model to Compute Degree of Polarity of Review Titles.*" Annals of Pure and Applied Mathematics 7, no. 1 (2014): 65-70.

28. Santanu Modak, Abhoy Chand Mondal "*A model based comparative studies of various cross language information retrieval system*", 21st West Bengal state Science and Technolgy Congress- 2014, Organizer: The University of Burdwan, 20-21 February 2014.

29. RANA, SONU, and ABHOY CHAND MONDAL. "*Bayes' Approach on Government Job Selection Procedure In India.*", International Journal of Innovative Research in Computer and Communication Engineering, Vol. 2 , I ssue 8 , August 2014, ISSN(Online): 2320-9801 ISSN (Print): 2320-9798.

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30. Taraknath Pal, A.C. Mondal, "*Combination of graph does not affect the execution of finding group of shorter path algorithm*", in the proceedings of International Conference of ICCS-2013, held at The University of Burdwan (Dept. of Computer Science), Burdwan, India, pp. 348-356, 21st-22nd September, 2013.

31. Sonu Rana, A.C. Mondal, "*A Rough set decision in an interview selection problem: An algorithmic approach*", in the proceedings of International Conference of ICCS-2013, held at The University of Burdwan (Dept. of Computer Science), Burdwan, India, pp. 186-192, 21st-22nd September, 2013.

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