



ABHOY CHAND MONDAL

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CORRESPONDENCE ADDRESS:

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

DATE OF BIRTH:

27 February, 1964

MARITAL STATUS:

Married

LANGUAGES

English (Speak, Read & Write)
Bengali (Speak, Read & Write)
Hindi (Speak)

POSITIONS HELD

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

EDUCATION

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

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
Tarakanath 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
Madhusudan Chakraborti	A Study of Reverse Conversion Algorithms for Signed-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

PhD Scholars currently registered

Name	Thesis Title
Sonali Mondal Das	Studies on detection of Cancer using Machine Learning algorithm
Joyeta Chandra	Studies of Stock Market based Sentiment Analysis using Machine Learning
Kunal Kumar Mandal	Studies to Recognition of Doctor's Prescription using Deep Learning



PUBLICATION DETAILS



Book Chapter

1. 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).
2. Sumanta Daw, Dr. A. C. Mondal, ***"Ol-Chiki Handwritten Document Recognition using Deep Learning"***, has been communicated to Third International Conference on Advancements in Smart Computing and Information Security (ASCIS-2024), Scopus Indexed, Springer-CCIS, Organized by Marwadi University, Rajkot, India.
3. 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 (Indexing: Scopus).
4. Sumanta Daw, Dr. A. C. Mondal, ***"An Efficient Word Segmentation Algorithm of Offline Handwritten Ol-Chiki Document"***, is accepted for publication in Fourteenth International Conference on Recent Trends in Communication and Computer Networks-ComNet-2024, organized by IDES and Association of Computer Electrical Electronics and Communication Engineers (ACEECom), will be held on August 21-22, 2024, Chennai, India (Indexing: Scopus).
5. 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. Springer (Indexing: Scopus).
6. 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. (Scopus Indexed)
7. 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 (Scopus Index)

8. A. Neogi, A.C. Mondal, S.K. Mondal, "**Computational Intelligence Using Type-2 Fuzzy Logic Framework**", pages 1-29, IGI GLOBAL(Jan. 2013) (Indexing: Scopus).
9. S. Mitra, A.C. Mondal, "**Intelligence in Web Technology**", pages 739-757, IGI GLOBAL(Jan. 2013) (Indexing: Scopus).
10. 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.
11. A.C. Mondal, S. Karforma, "**Internet and ECommerce**"(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. 6, Issue-3, 2024,E-ISSN: 2582-2160 (Scopus Index)
2. 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
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. "**A SURVEY ON GENETIC INHERITED CANCER DETECTION OF HUMANS USING MACHINE LEARNING**", ACM Transactions on Computing for Healthcare - Communicate 2024 Journal article. (Scopus Index)
6. Saikat Banerjee, Abhoy Chand Mandol, "**A sophisticated approach to soil productivity detection using a convolutional neural network-based model.**", International Journal of Advanced and Applied Sciences, Volume 11, Issue 8, pp. 198–210(2024) (Scopus Index)
7. S. Banerjee, D. Palsani, A. C. Mondal, "**Forecasting Organic Crops Based on Machine Learning Algorithms**", International Journal of Innovative Research in Engineering & Management (IJIREM), Vol-11, Issue-5, Page No-98-103, 2024. Available from: <https://doi.org/10.55524/ijirem.2024.11.5.14>
8. Saikat Banerjee, Abhoy Chand Mandal, "**An Innovative Approach Involves Machine Learning Algorithms to Forecast Future Farmer Revenue** ", SSRG International Journal of Electrical and Electronics Engineering Volume 11 Issue 8, 59-71, August 2024 ISSN: 2348-8379/ <https://doi.org/10.14445/23488379/IJEEE-V11I8P106>. (Scopus Index)

9. Saikat Banerjee, Soumitra Das, Prof. Dr. Abhoy Chand Mondal, "***A Study of the Application Domain of a Large Language Models in the Agricultural Sector***", International Journal of Innovative Research in Computer Science and Technology (IJIRCST) ISSN (Online): 2347-5552, Volume-12, Issue-5 September 2024 <https://doi.org/10.55524/ijircst.2024.12.5.10> Article ID IRP-1560, Pages 74-78 www.ijircst.org. (UGC Care)
10. Sumanta Daw, Dr. Abhoy Chand Mondal, "***Ol-Chiki Language Translator-A Deep Learning Approach***", International Journal of Intelligent Systems and Applications in Engineering (IJISAE), Scopus Indexed Elsevier Journal (Communicated).
11. 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]
12. Saikat Banerjee, Soumitra Das, Prof. Dr. Abhoy Chand Mondal, "***Classification of Healthy and Diseased Broccoli Leaves Using a Custom Deep Learning CNN Model***", International Journal of Innovative Research in Computer Science and Technology (IJIRCST) ISSN (Online): 2347-5552, Volume-12, Issue-5 September 2024 <https://doi.org/10.55524/ijircst.2024.12.5.15> Article ID IRP-1565, Pages 110-116 www.ijircst.org. (UGC Care)

2023

13. 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 11.3(2023):283-297. (Scopus Index)
14. 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)
15. 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)
16. 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)
17. 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)
18. 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.

2022

19. Sumanta Daw, Abhoy Chand Mondal, Rabi Sankar Panday, Sumanta Ray, Baidyanath Sou, Sanat Kumar Mahato. "**Handwritten Ol-Chiki Character Recognition using Convolution Neural Network**", Journal of scientific Enquiry(Sidhu – Kanho – Birsha University), Volume- 2, Issue- 2, Page- 6-9, 2022
20. 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

21. 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 CyberSecurity: IC4S 2021, pp. 651-664. Singapore: Springer Nature Singapore, 2022. (Scopus Index)
22. Sumanta Daw, Abhoy Chand Mondal, Rabi Sankar Panday, Sumanta Ray, Baidyanath Sou, Sanat Kumar Mahato. "**Handwritten Ol-Chiki Character Recognition using Convolution Neural Network**", Journal of scientific Enquiry(Sidhu – Kanho – Birsha University), Volume- 2, Issue- 2, Page- 6-9, 2022.
23. 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)

2018

24. 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)
25. 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.**" Indian Science Cruiser(2018):26-35, (UGC Care)

2017

26. 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.
27. 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).

28. 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)
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(IJARCSST). ISSN: 2347-8446(Online),ISSN: 2347-9817(Print), January to March 2017.
30. 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 (UGC Care)

2016

31. 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)

2015

32. 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)
33. 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
34. 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.
35. P.K. Dey, D.N. Ghosh, A.C. Mondal, "**IPL team performance analysis: a multi-criteria group decision approach in fuzzy environment**", IJ Information Technology and Computer Science 8, 8-15, 2015.
36. 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)
37. 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.

38. Halder, Biswajit, Utpal Garain, Rajkumar Darbar, and Abhoy Ch Mondal. "**Inverse of low resolution line halftone images for document inspection.**" In Computational Forensics: 5th International Workshop, IWCF 2012, Tsukuba, Japan, November 11, 2012 and 6th International Workshop, IWCF 2014, Stockholm, Sweden, August 24, 2014, Revised Selected Papers, pp. 95-103. Springer International Publishing, 2015.
39. Paul, Tarak Nath, and Abhoy Chand Mondal. "**Group of Possible Shorter Paths from Source to Destination.**" International Journal of Computer Applications 975: 8887, 2015.

2014

40. 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.
41. 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.
42. 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)
43. 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
44. 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.
45. Santanu Modak, Abhoy Chand Mondal, "**A study on Sentiment Analysis**", International Journal of Advanced Research in Computer Science & Technology, 2014
46. 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.
47. 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.
48. Paul, Tarak Nath, and Abhoy Chand Mondal. "**Implementing Amalgamation of Graphs on Set of Shorter Path Algorithm Using Genetic Algorithm.**" International Journal of Advanced Computer Research (ISSN (print): 2249-7277 ISSN (online): 2277-7970) (2014).
49. 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.

50. Sonu Rana 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 , Issue 8 , August 2014, ISSN(Online): 2320-9801 ISSN (Print): 2320-9798.

2013

51. S Maitra, AC Mondal, '*Intelligence in Web Technology*', Handbook of Research on Computational Intelligence for Engineering, Science, 2013.
52. 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>
53. 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.
54. 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.
55. 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
56. 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

57. 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>.
58. D.N.Ghosh, K.Ghosh, A.C.Mondal, "*Finite Variable Scaling Analysis of Monthly Data of the Sunspot Numbers*", IJCS, 2006, Vol.8, No.2, pp.29-32.
59. D.N.Ghosh, K.Ghosh, A.C.Mondal, "*Search for Periodicity in a Time Series Data by Group Method of Data Handling Algorithm*", IJCS, 2007, Vol.9, No.2, pp.68-72.
60. 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.
61. 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.
62. 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.

63. 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>.
64. 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>.
65. Achintya K. Mandal, UtpalRoy, A.C.Mondal, "***E-Content Management and Delivery in Digital Library: A software approach***", Jr of IUP, March 2012.
66. 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).
67. 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 (Scopus Index).
2. 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 (Scopus Index).
3. Joyeta Chandra, A.C. Mondal, "***Studies of Machine Learning approach-based Sentiment analysis in Stock market : Motivation and New Direction***", National Seminar on Multidisciplinary Approach in Human and Social Science (Abstract Volume), 2024.
4. Sonali Mondal Das, A.C. Mondal "***Studies of Cancer using machine learning : A Survey***", National Seminar on Multidisciplinary Approach in Human and Social Science (Abstract Volume), 2024.
5. 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.

2020 - 2021

6. 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 (Scopus Index).

7. 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 (Scopus Indexed)

2018

8. 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. (Scopus Indexed)
9. 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

10. Srikanta Kolay, Kumar Sankar Ray, and Abhoy Chand Mondal. "**K+ means: An enhancement over k-means clustering algorithm.**" arXiv preprint arXiv:1706.02949(2017).
11. Santanu Modak, Abhoy Chand Mondal, "**An Analytical Approach to Summarize Opinion about Movie**", International Conference on Modelling, Computing and Technological 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

12. 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.
13. 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

2014

14. 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.
15. Santanu Modak, Abhoy Chand Mondal, "**A New Definition of Opinion in Opinion Mining**", National Seminar on Recent Aspects in Mathematics and their Applications(NSRAMA 2014), Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University 25 - 26 February, 2014.
16. 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, Durgapur - 713209, March 04 - 08, 2014.

17. 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.
18. Santanu Modak, Abhoy Chand Mondal "***A model based comparative studies of various cross language information retrieval system***", 21st West Bengal state Science and Technology Congress- 2014, Organizer: The University of Burdwan, 20-21 February 2014.
19. 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 , Issue 8 , August 2014, ISSN(Online): 2320-9801 ISSN (Print): 2320-9798.

2013

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