

Dr. S. Niraimathi, No of Paper Publications Internal/National: 44 Papers

LIST OF PUBLICATIONS

1. Dr.S.Niraimathi, “Design and Implementation of an IoT-Based Weather Monitoring System Using ESP32 and Blynk”, Indian Journal of Natural Sciences”, IJONS – Issue 96 – June 2026
2. Dr. S Niraimathi, “IoT based fire department alerting system” , International Journal of Multidisciplinary Research and Development, Indexed Journal, Refereed Journal, Peer Reviewed Journal Online ISSN: 2349-4182, Volume Issue Year : 13 : 2 : 2026 Page Number : 228-231 Reference No : 13231 Published Date : 17-4-2026 Impact Factor. : RJIF-8
3. Dr. S Niraimathi, “Smart Trash Bin with Autonomous Navigation and IoT Monitoring” , International Journal of Versatile Research and Analysis, Volume 4 Issue 5, May-2026, 12-05-2026, Impact Factor: 9.12 by Google Scholar
4. Dr.S.Niraimathi, “AI-Powered Elderly Fall Detection”, International Journal of Creative and Open Research in Engineering and Management ISSN: 3108-1754 (Online) Volume 02 Issue 04 April-2026, Impact Factor: 3.5
5. Dr.S.Niraimathi, “IOT BASED SMART GAS LEAKAGE DETECTION SYSTEM WITH AUTOMATED SAFETY RESPONSE, International Journal of Versatile Research and Analysis, Volume 4 Issue 4, April-2026, 16-04-2026, Impact Factor: 9.12 by Google Scholar
6. Dr.S.Niraimathi “Deep Learning Enhanced Real-Time Air Quality Monitoring Using ESP8266”, International Journal of Versatile Research and Analysis, Volume 4 Issue 4, April-2026, Impact Factor: 9.12 by Google Scholar
7. “Smart Temperature and Humidity Monitoring with LSTM and Automation” International Journal of Versatile Research and Analysis , Volume 4 Issue 4, April-2026, 30-04-2026, Impact Factor: 9.12 by Google Scholar
8. Dr.S.Niraimathi, “A Novel Fuzzy Rule Based Design Interface to Counteract Headlamp Glare Uncertainties Exhibited by Vehicles”, International Journal of Applied Engineering Research (IJAER), Volume 10, Number 44(2015) Special Issues, pp.31518-31526.
9. R.Sharanya, Dr.S.Niraimathi, “Machine Learning Algorithms for Enhanced Bipolar Disease identification based on EEG Signal and its Analytics, ISBN. No. 978-81-973029-8-5, July 2024
10. R.Sharanya, Dr.S.Niraimathi, “A Transfer Learning approach for Bipolar Disease Detection”, International Journal of Intelligent System & Applications in Engineering, Vol.12 No. 21S(2024), PP.1622-1635, Scopus Indexed,ISSN.NO.2147-6799
11. R.Sharanya, Dr.S.Niraimathi, “Bipolar Disorder Diagnosis With Recurrent Neural Networks Using Probability Density Function”, A Journal for New Zealand Herpetology, Vol 12 Issue 02, WEB OF SCIENCE INDEX, May-2023

12. A Book has been published by Dr.S.Niraimathi on Machine Learning Algorithms for enhanced Bipolar disease identification based on EEG Signal and it's Analytics during the month of July
13. R.Sharanya, Dr.S.Niraimathi, "A Novel Approach For Bipolar Disorder Prediction Using Pso-Gkfc Hybrid Clustering And Weighted Feature Selection", journal European chemical bulletin special issue publication, VOL 12 Special Issue 4, SCOPUS INDEXED, May 2023
14. R.Sharanya, Dr.S.Niraimathi, "Bd-Mdl: Bipolar Disorder Detection Using Machine Learning And Deep Learning", Journal of Pharmaceutical Negative Result, Vol 13, Issue 7, SCOPUS INDEXED, 21 Dec 2022
15. R.Sharanya, Dr.S.Niraimathi, A Review On Detection And Prediction Of Bipolar Disorder Using Deep Learning, Indian journal of Natural Science, Vol.13 ,Issue 75, UGC CAREE INDEXED, Dec 2022
16. R.Vidhu, Dr.S.Niraimathi, "A Modern Way to Analyse and Classify Natural Vegetation Species Using Deep Neural Approaches" BioGecko, A journal for New-Zealand Herpetology , Vol.12 Issue No.03 Page No. 911 to 918, May 2023 ISSN No:2230-5807.Edition.
17. R.Vidhu, Dr.S.Niraimathi, "A Fully Connected Deep Neural Network Model for Dynamic Natural Vegetation Environment" European Chemical Bulletin, Vol12, Issue-1, 2023, ISSN 2063-5346, doi:10.31838/ecb/2023.12.1.087 Edition.
18. R.Vidhu, Dr.S.Niraimathi, "Design of Deep Network Model for Vegetation Monitoring and Classification using Learning Approaches", Journal of Fundamental and Comparative Research, Volume:VIII, No.1(XXII):2022, ISSN:2277-7067
19. R.Vidhu, Dr.S.Niraimathi, "Constructing an efficient Classifier Model for Natural Vegetation Using Regional Convolutional Neural Networks", INTJ Life SciPharma Res, ISSN : 2250-0480:SP-20;"Research Opportunities of Computing in Life Science", March 2022.
20. Mrs.R. Vidhu, Dr.S.Niraimathi, An Intelligent And Optimal Resource Allocation Approach In Sensor Networks For Smart Vegetation-IoT, International Journal of Advance and Innovative Research Volume 8, Issue 3 (IV) July - September 2021 Part - 1 95 ISSN 2394 – 7780
21. Mrs.R. Vidhu, Dr.S.Niraimathi, Survey on Natural Vegetation using Data Mining Algorithms and IoT Techniques, Zeichen Journal , Volume 6, Issue 11, November 2020. (UGC Care group II Journal)
22. A.LindaSherin, Dr.S.Niraimathi, Improving the Precision of Missing Data Imputation Naïve Bayesian Classifier, International Journal of Creative Research Thoughts – IJCRT, UGC Journal, ISSN 2320- 2882, Impact factor 5.97.
23. A.LindaSherin, Dr.S.Niraimathi, Missing Data Imputation Using Bayesian Classifier, International Journal of Engineering Research in Computer Science and Engineering – IJERCSE Volume 7, Issue IV, July 2018, ISSN 2321-9939, Impact Factor 4.890.

24. A.LindaSherin, Dr.S.Niraimathi, Transmogrified Imputation Algorithm for Clustering Data in Missing Data Imputation, International Journal for Research in Applied Science and Engineering Technology (IJRASET), Volume 7 Issue III, Mar 2019, ISSN: 2321-9653, Impact Factor 6.887.
25. A.LindaSherin, Dr.S.Niraimathi, Improving the Precision of Missing Data Imputation Naïve Bayesian Classifier, International journal of basic and applied research, September 2018 Volume 8 Number 9, ISSN 2249-3352 (P) 2278-0505, Impact Factor 5.86
26. A.LindaSherin, Dr.S.Niraimathi, Transmogrified Imputation Algorithm for Clustering Data in Missing Data Multiple Imputation, International Journal for Research in Applied Science and Engineering Technology (IJRASET); Volume 7 Issue III, Mar 2019, ISSN: 2321-9653 pp 2108- 2112, Impact Factor 6.887
27. A.LindaSherin, Dr.S.Niraimathi Missing Data Imputation Using Bayesian Classifier, International Journal of Scientific Research in Computer Science Applications and Management Studies Volume 7, Issue 4 (July 2018) IJSRCSAMS, ISSN 2319 – 1953, Impact Factor 0.654
28. A.LindaSherin, Dr.S.Niraimathi, An Efficient Imputation approach on Scanty Data Using Bernoulli scheme based Markov Classifier, IJRASET, and International Journal for Research in Applied Science and Engineering Technology UGC Approved Journal Volume 7, Issue V, May 2019, ISSN 2321-9653, Impact Factor 6.887.
29. Dr.S.Niraimathi, M.Ramaraj “Application of Color based image segmentation paradigm on RGB Color pixels using Fuzzy C-Means and K-Means Algorithm”, International Journal of Computer Science and Mobile Computing, ISSN 2320-088X, Volume 6, Issue 6, June 2017.
30. Dr.S.Niraimathi, M.Ramaraj, “Color Based Image segmentation using Classification of KNN with Contour Analysis Method”, International Research Journal of Engineering and Technology, ISSN 2395-0072, e-ISSN 2395-0056, Volume 3, Issue 10, October 2016.
31. Dr.S.Niraimathi, S.Logapriya, “Data storage in Cloud Computing”, International Journal of Scientific Research in Science, Engineering and Technology, ISSN 2395-1990, online ISSN 2394-4099, Volume 2 Issue 2, March 2016.
32. Mrs. S. Niraimathi, A.Vanitha, "Study On Decision Tree Competent Data Classification" in International Journal of Computer Science and Mobile Computing, Vol 2, Issue 7, July 2013.
33. Mrs.Niraimathi.S, K.UmaMaheswari, "A Study on Student Data Analysis Using Data Mining Techniques", IJARCSSE, Vol 3, Issue 8, 2013, ISSN 2277 128x.
34. Mrs. Niraimathi.S, K. Uma Maheswari, "A Study on Semantic Similarity of Gene Ontology Using Clustering", IJARCCCE, Vol.2, issue9, September 2013, ISSN 2278-1021.
35. Mrs. Niraimathi.S, A.Vanitha, "Conversion of Imbalanced Data into a Stream Using SMOTE algorithm", IJARCCCE, Vol.2, issue9, September 2013, ISSN 2278-1021.

36. M.Ramaraj.,Dr.S.Niraimathi., “An Analysis Of K Means Clustering Algorithm Image Segmentation With IQI” IJSRD, Volume 04, Issue 09, Nov 2016.
37. M.Ramaraj.,Dr.S.Niraimathi., “Grouping of Color Pixel Based Image Segmentation using on Clustering Techniques” IJEECSE, Vol-4, Issue-6, December 2017. (UGC referred journal).
38. M.Ramaraj.,Dr.S.Niraimathi., “Color Pixel Based Image Classification and Clustering Using Fuzzy Method” International Journal for Research in Engineering Application & Management (IJREAM) ISSN: 2454-9150 Vol-04, Issue-04, July 2018. (UGC referred journal).
39. M.Ramaraj.,Dr.S.Niraimathi., “Color Pixel Based Image Segmentation Using Enhanced Data Clustering Algorithms Applying On Tiger Image Dataset” International Journal Of Advance And Innovative Research. ISSN: 2394-7780. Volume 5, Issue 3 (VII): July - September, 2018. UGC approved journals.
40. M.Ramaraj.,Dr.S.Niraimathi., “Comparative Analysis of Proposed Methods for Analyzing Color Pixel based Image Segmentation Using Tiger Image Dataset”. International Journal of Research. ISSN: 2236-6124. Volume 7, Issue IX, September/2018. UGC approved journals.
41. M.Ramaraj.,Dr.S.Niraimathi., “Design and Implementations of Color Pixel Based Image Segmentation Using Enhanced Data Clustering Algorithms to Applying on Tiger Image Dataset” International Journal of Pure and Applied Mathematics. Volume 119 No. 18 September 2018, 2719-2739. ISSN: 1314-3395. UGC approved journals.
42. M.Ramaraj., Dr.S.Niraimathi., “Enhanced Image Segmentation to Infer the Age of the Tiger Using Fuzzy Modified K-Means Clustering Algorithm (FMKMCA)” International Research Journal of Pharmaceutical, Biological and Chemical Sciences (RJPBCS), Volume 10, Issue 2, 2019, 198-214, ISSN: 0975-8585.
43. Mrs. Niraimathi.S, Arthanariee A.M, M.Sivakumar, “A Fuzzy Approach to Prevent Headlight Glare”- IJCSIS - International Journal of Computer Science and Information Security, Vol. 9, No. 2 , February 2011, USA, ISSN 1947-5500.
44. Mrs. Niraimathi.S, Arthanariee A.M, M.Sivakumar, “a Software and a Hardware Interface for Reducing the Intensity Uncertainties Emitted by Vehicular headlight on highways” – IJITCE - International Journal of Innovative Technology and Creative Engineering, Vol. 1, No.11, November 2011, UK, ISSN 2045-8711.