



DAYANANDA SAGAR ACADEMY OF TECHNOLOGY & MANAGEMENT

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Department was established in the year 2020

Faculty and Student Publications

International Publications

- [1] Sandhya.N, Krishnan.R, D.R.Ramesh Babu, “A Language Independent Characterization of Document Image Noises in Historical Scripts”, International Journal of Computer Applications, Volume 50-No9, 2012.
- [2] Sandhya.N, Krishnan.R, D.R.Ramesh Babu, “Feature Based Kannada Character Classification Method of Kannada Character Recognition”, International Journal of Science and Engineering Research, Volume 5, Issue 2, February 2014.
- [3] Sandhya.N, Krishnan.R, D.R.Ramesh Babu, Pianka Das, “A Comprehensive pre-processing approach for digital preservation of documents”, Elsevier Proceedings of International Conference on Emerging Research in Computing, Information, Communication and Applications-(ERCICA-14), volume 3, page10.
- [4] Sandhya.N, Madhusudan.N, Krishnan.R, D.R.RameshBabu, “Handwritten Kannada Character Recognition using Zonal Features and Multi-class SVM”, ICPRMSP’15, International Journal of Applied Engineering Research (IJAER), Volume 9, Number 20 (2014) Special Issues.
- [5] Sandhya N, Krishnan.R, D.R.RameshBabu, “A Novel Local Enhancement technique for rebuilding Broken Characters in a Degraded Kannada Script”, IEEE International Advance Computing Conference 2015.
- [6] Sandhya N, Rahul Bant, Krishnan.R, D.R.Ramesh Babu, “HMM based – Character Recognition for online Handwritten Indic Scripts”, International Journal of Engineering Research and Technology, Volume. 4, Issue. 06, June 2015.
- [7] Sangeetha Kancharla, Sandhya.N, D.R. Ramesh Babu, “Slack Stealing query scheduling to meet deadlines of real time applications in WSN’s” ,IJEE, Volume 2, Issue 4, April 2015.

- [8] Sandhya N, Krishnan R, “Broken Kannada Character Recognition- a Neural Network based approach”, IEEE International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) March 2016.
- [9] Altaf Patel, Aparna.V.P, Apoorva.C.G, Piyush Kataria, Sandhya N. “An Efficient way of Filtering sensitive messages Using N-gram technique over Social Media”, International conference on Multimedia Processing, Communication and Information Technology, MPCIT, 8th and 9th, June, 2018. JNNCE, Shivamoga, Karnataka, India. [DOI:16.10089.IJSRR.2018.V7I06.5245.2393](https://doi.org/10.10089.IJSRR.2018.V7I06.5245.2393)
- [10] Chandana P, Sharada Preeti, H. Amrutha , Ramesh M , Sandhya.N, “SVM Based Classification Approach For Identifying Bacterial And Fungal Diseases In Plant Leaves”, International Journal of Latest Technology in Engineering, Management & Applied Science, Volume VII Issue VI June 2018.
- [11] Sandhya N, Krishnan R, D R Ramesh Babu, “A Framework for Degraded Kannada Character Recognition”, ICIPCN 2020, Advances in Intelligent Systems and Computing book series, volume 1200, Chapter 67, Springer Nature.
- [12] Sandhya N, Krishnan R, Ramesh Babu D R, Bhaskara Rao N, “An Efficient Approach for Handling Degradation in Character Recognition”, International Journal for Advanced Intelligence Paradigms, Vol. 14, Nos. 1/2, 2019, Elsevier (Scopus).
- [13] Sandhya N, AnirudhMarathe, JS Dawood Ahmed, Aman Kumar, Harshith R, “Convolutional Neural Network Based Approach to Detect Pedestrians in Real-Time videos”, IJEEE, VOL-10, Issue-1, OCT 2020.
- [14] K R Venugopal,M P Sowbhagya, C M Sheela Rani,“Evolving User Profiles Discovery Through Clustering””, Presented & published in IEEE International Conference on Data Engineering & Communications Systems (ICDECS-2011), held during 30-31st December 2012, Organized by RNSIT,Bangalore, India.
- [15] Sowbhagya M P, Kruthika Anil More, Tejus, Adarsh Desai , “Enhancement of Security Protocol in LTE-Advanced For Machine Type Communications”, published in International Conference on Data Engineering & Communications Systems (ICDECS-2015), held during 28 & 29 December 2015, Organized by RNSIT,Bangalore, India.
- [16] Sowbhagya M P, Ganavi K R, Dr.Yogish H K, “Knowledge Discovery from Web Data for Web Personalization”, Published in International Conference on Data Engineering & Communications Systems (ICDECS-2019),19th & 20th Dec 2019, Organized by RNSIT, eventually published in Elsevier-Scopus indexed International Journal of Innovative Technology and Exploring Engineering(IJITEE).

National Publications

- [1] Deepthi P Hudedagaddi, Deepa S, Nayana S, Sandhya.N, “Network security Using Neural Cryptography”, 24th CSI students convention, 2010 [Best Paper prize].
- [2] Amitash Ramesh, Soumya Ramesh, Varsha Bhat K, Sandhya.N, “Network Communication using the Point-to-Point protocol”, 24th CSI students convention, 2010.
- [3] SaiMahita, Anushree G, Akshaya R, Madhura Pujary, Sandhya N, “Breast Cancer detection using AI Techniques”, Proceedings of 33rd CSI Karnataka Student Convention, 28th and 29th Feb 2020.
- [4] Anirudh Marathe, JS Dawood Ahmed, Harshith R, Aman Kuar, Sandhya N, “Real-Time Pedestrian detection using Machine Learning Techniques”, Proceedings of 33rd CSI Karnataka Student Convention, 28th and 29th Feb 2020.
- [5] Likitha V, Aishwarya R, Akshya Ganji, Sandhya N, Shylaja B, “Smart Parking Slot Management System”, Proceedings of 33rd CSI Karnataka Student Convention, 28th and 29th Feb 2020.
- [6] Nagabhishek H, Priya S, Sheeba Azmi, Vinay M S, Sandhya N, “Search for Exoplanets”, Poster presentation, 33rd CSI Karnataka Student Convention, 28th and 29th Feb 2020.
- [7] Sowbhagya M P,Sheela Rani C M, “Web Usage Mining: Clustering of Web Users And Their Applications In Evolving User Profiles”, Published in National Conference on Frontiers of Computer Science & Technology (FCST'12),14th & 15th Feb 2012 at Rajarajeswari College of Engineering, Bangalore .