

Faculty Profile

Dr. D. Narmadha, Ph.D.

Assistant Professor,
Department of Computer Science and Engineering
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photograph

Academic Background

Degree	University	Year
Ph.D.	Sathyabama Institute of Science and Technology	2015
M.E	Karunya University	2011
B.E	Anna University	2006

Courses Taught

- Machine Learning
- Deep Learning
- Computer Architecture
- Object Oriented Analysis and Design
- Knowledge Management
- Data structures

Research Interests

- Data Analytics
- Machine Learning
- Data Mining

Most recent Publications

1. Narmadha, D., Pravin, A., An intelligent computer-aided approach for target protein prediction in infectious diseases, *Soft Computing*, 2020, 24(19), pp. 14707-14720
2. Naveen Sundar G, Narmadha, D, Immanuel, S. An efficient data analytics model for predicting the harmful effects of air pollutants, *International Journal of Scientific and Technology Research*, 2020, 9(2), pp. 2486-2490
3. Narmadha, D., Pravin, A. An effective statistical integrative algorithm (Aeiapp) for protein prediction *International Journal of Innovative Technology and Exploring Engineering*, 2019, 8(11), pp. 132-137
4. Jeba Priya, S., Naveen Sundar, G., Narmadha, D. Ebenezer, S., Identification of weeds using Hsv color spaces and labelling with machine learning algorithms, *International Journal of Recent Technology and Engineering*, 2019, 8(1), pp. 1781-1786
5. Narmadha, D., Pravin, A. An enhanced prediction model for essential proteins prediction for human diseases, *International Journal of Engineering and Advanced Technology*, 2019, 8(4), pp. 1656-1663
6. G. Naveen Sundar, D. Narmadha **“An Efficient Approach for Mining Association Rules in Large Databases”** in *International Journal of Artificial Intelligence and Knowledge Discovery(IJAI)*, Vol 2, Issue 1, Jan 2012, ISBN: 2231-2012.
7. Muthuselvi S, D. Narmadha, **“A Survey on Removal of Universal Noise from Images”** in *International Journal of Computer Applications(IJCA)*, Vol. 58, Issue 7, Nov 2012.
8. R. Sumathi, D. Narmadha, **“A Survey on Image Parsing”** in *International Journal Of Engineering Research and Technology(IJERT)*, Vol1 Issue 10, Dec 2012.
9. S. Preethi, D. Narmadha, **“A Survey on Image Denoising Techniques”** in *International Journal of Computer Application(IJCA)*, Vol 1, Issue 10, Dec 2012.
10. G. Naveen Sundar, D. Narmadha, **“A Proficient Method for Template Removal”**, *International Journal of Computer Science and Technology*, Vol. 4, Issue 1, Jan - March 2013, ISSN: 2229-4333.
11. J. Chithra, D. Narmadha, **“Denoising of Medical Images using a Reconstruction Average Mechanism**, Vol. 2, Issue 1, Jan 2014.
12. Reeba Mary Jacob, D. Narmadha **“A Literature Analysis of object tracking and Interactive modeling in videos for Augmented Reality**, Vol. 3, Issue 1, Jan 2014.
13. Dr. G. Naveen Sundar, D. Narmadha, Dr. A.P. Haran, **“Performance Intensification for automatic Template using world wide web”**, *Research Journal of Applied Sciences*, Volume 9, Issue 5, 2014, Pages 288-294.
14. G. Naveen Sundar, D. Narmadha, Dr. A.P. Haran, **“Simplified Scheme For Performance Augmentation Of Web Data Extraction”**, *Journal of Theoretical and Applied Information Technology*, Vol.60, Issue 3, Feb. 2014.

15. G. Naveen Sundar, D. Narmadha, Dr. A. P. Haran, " **Combinational Scheme for Efficient Content Extraction from Web Pages**", Australian Journal of Basic and Applied Sciences, Vol. 8, Issue 1, Jan 2014.
16. D. Narmadha, G. Naveen Sundar, S. Jebapriya " **Survey of clustering algorithms for categorization of patient records in Health care**", Indian Journal of Science and Technology Vol 9(8), February 2016, ISSN (Print): 0974-6846.

INTERNATIONAL CONFERENCES:

1. Narmadha, D., Pravin, A. An intelligent computational model to predict target genes for infectious disease, Proceedings of the 11th International Conference on Advanced Computing, ICoAC 2019, 2019, pp. 346-349, 9087249.
2. Naveen Sundar, Narmadha, D., Jebapriya, S. G., Malathy, M. Optimized methodology for hassle-free clustering of customer issues in banking, Advances in Intelligent Systems and Computing, 2019, 768, pp. 421-428
3. A paper titled " **Associated Rule Mining Based Recommender System**" has been published in 4th ICNCS 2012 conference proceeding and listed in IEEE Xplore.
4. Participated and presented a paper titled, "Performance Growth for TEXT", 2014 IEEE International Conference on Electronics and Communication Systems, **ISBN: 978-147992320-5**.
5. Participated and presented a paper titled " **Utilization of Data Mining technique for hassle free categorization of customer issues in Banking**" during International conference on **converging Biotechnological Innovations for Health, Food And Environmental Welfare (ICCBI 2015)** between December 2-4, 2015"
6. Participated and presented a paper titled " **Survey of clustering algorithms for categorization of patient records in Health care**", 4th International Conference on Design and Applications of Structures, Drives, Communicational and Computing Systems (ICDASDC-2015), Nov 27-28, 2016, **ISBN: 978-1-944171-34-61**.
7. Published a paper titled " **Utilization of Data Mining Technique to Predict the Harmful Effects of Air Pollutants on Human Health**", ISRO Sponsored Indian Conference on Data Analytics, Big Data, Data Mining and Data Science (ICD4'16), 27 – 28 Oct, 2016.

8. Epistle, I., Narmadha, D, “**Score based method to find patient similarity on health care system**” , Proceedings of 2nd IEEE International Conference on Engineering and Technology, ICETECH 2016, art. no. 7569371, pp. 869-872.
9. Participated and presented a paper titled “**A Novel Scoring system for Coronary Artery disease risk Assessment system**”, in 2017 International Conference on Intelligent Computing and Control (I2C2), 978-1-5386-0373-4, June 25-26, Karpagam University, Coimbatore.
10. D. Narmadha, G. Naveen Sundar, S.Jeba priya, “**Enhanced K-means algorithm to improve time efficiency**, 20th – 21st Dec, 2017.
11. Published a paper titled “**Optimized methodology for hassle-free clustering of customer issues in banking (2019)**”, Advances in Intelligent Systems and Computing, 768, pp. 421-428.
12. Participated and presented a paper titled “**A Review on Graph Analytics based approaches in Protein- Protein interaction network**, 4-5, Jan 2019.

Projects Guided

- AUTOMATIC SLEEP DISORDER PREDICTION
- MALARIA DETECTION USING MACHINE LEARNING
- Machine learning approaches to find essential proteins

Significant achievements:

- Participated as a **Judge** in Technical paper presentation on 19th and 20th Feb 2015 for the International Conference [ICTETSHAM’15] organized by Tamizhan college of Engineering, K.K Dist.
- Published a book chapter titled “Utilization of Data Mining technique for hassle free categorization of customer issues in Banking” in the book **Enabling Technologies for Health and Human Betterment**, Sam publishers, Chennai, **ISBN: 9789380485751**.

