

Dr.N.PRIYA

Associate Professor

PG Department of Computer Science, Shrimathi Devkunvar Nanalal Bhatt Vaishnav College for women, Chromepet, Chennai-44 .

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Qualification : MCA,M.Phil, Ph.D, NET

Career Profile

A highly dedicated to create a positive learning environment among student's lives by providing them superior teaching skills.

Academic Education

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| 2015 | Completed Ph.D , Specialization : Image Processing Title : A Study on Automatic Text Content Extraction from Assorted Images. Bharathiar University, Coimbatore |
| 2015 | NET Examinations cleared. |
| 2007 | Completed M.Phil with 74%, Specialization : Data Cleaning Title: An Analysis of Methods and Trends in Comprehensive Data Cleaning. Periyar University, Salem |
| 2002 | Completed MCA with 76% Bharathidasan University, Trichy. |
| 1999 | Completed B.Sc(Computer Science) with 76% Bharathidasan University, Trichy. |
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Professional Experience:

- **Assistant Professor & Head in UG Department of Computer Applications, SDNB Vaishnav College for Women, Chromepet, Chennai from 2004 to 2019**
- **Assistant Professor in PG Department of Computer Science, SDNB Vaishnav College for Women, Chromepet, Chennai from 2007 to 2019.**
- **Associate Professor in PG Department of Computer Science, SDNB Vaishnav College for Women, Chromepet, Chennai from June 2019.**

Professional strengths:

- Possessing **16 years of teaching experience** as an Assistant Professor.
- Worked as an **Additional Controller of Examinations in SDNB Vaishnav College for Women, Chennai** from 2011-2014.
- Member of **IQAC Cell in SDNB Vaishnav College for Women, Chennai from 2014.**
- **Published and presented 25 articles.**
- **Research Supervisor for Ph.D students under Madras University.**
- **Academic Audit Member and Review member in other institutions.**
- **Chaired a session in International Conference on Computing Sciences (ICCS 2018-2019) in Loyola College.**
- **Secured Gold Medal and Topper in 5% in NPTEL Online e-Learning course “Introduction to R Programming”.**
- **Guest Speaker in E-Seminar for other Institutions**
- **Chief Superintendent for End Semester Examinations**
- In-depth knowledge of latest IT technologies
- Possess good communication and team spirit
- Possess excellent teaching and monitoring skills
- Ability to complete assigned course within limited time period
- Familiar with the policies and guidelines of University
- Ability to explain technical concepts and ideas in a clear and precise way
- Self-motivator and excellent team player
- Responsible for designing IT courses like preparing syllabus and course requirements

Technical Skills

- **Research Topics** : Datamining, Image processing, Neural Networks, Network Programming, Fuzzy Logic, Machine Learning Techniques, Deep Learning
- **Research Tools** : WEKA, Matlab, R Programming, Python Programming
- **Web development:** XHTML, HTML, JSP,Servlet
- **Languages:** C++, C, Java
- **Databases:** Oracle and MYSQL
- **Operating systems:** Linux, UNIX, Windows NT/95/98/2000/XP and Vista

E- Content links

- 28-Jul – 2020 - Advanced Machine Learning in Tensorflow and Keras - St. Joseph’s Institute of Technology OMR, Chennai. - <https://youtu.be/xPwch8wt8y8>

- 29-Jul – 2020 - Advanced Machine Learning in Tensorflow and Keras - St. Joseph's Institute of Technology OMR, Chennai. - <https://youtu.be/iufwGK6RzRQ>
- 5-Aug – 2020 - RECENT TRENDS IN DATA SCIENCE - Madras Christian College , Chennai- <https://drive.google.com/file/d/1HUDP2p-96NAtoLxYtMcDIEISt3Wq3WY/view>

List of Papers Published

1. 2012, "Techniques and Challenges of Automatic Text Extraction in Complex Images: A Survey", Journal of Theoretical and Applied Information Technology, Vol.35, No.2, ISSN:1992-8645.
2. 2012, "A Combined Approach for Text Localization and Extraction from Assorted Images", European Journal of Scientific Research, Vol.68, No.2, ISSN: 1450-216X, Indexed in Elsevier Scopus.
3. 2013, "Analysis of an Automatic Text Content Extraction Approach in Noisy Video Images", International Journal of Computer Applications, Vol.69, No.4, ISSN: 0975-8887.
4. 2013, " A Combined Edge-Based Text Region Extraction from Document Images", International Journal of Advanced Research in Computer Science and Software Engineering, Vol.3, No.8, ISSN: 2277-128X
5. 2017, "A Dynamic Prediction model and impact-Based Weather Forecast Warning Services and Multi-Hazard for South Districts in India", International Journal of Computer Engineering and Applications, Vol. XI, Issue XII, ISSN:2321-3469.
6. 2017, "Improve Machine Learning Results for Semen Analysis Using Ensemble Meta Classification", International Journal of Advanced Research in Computer Science, Vol.8, No.8, ISSN No.:0976-5697
7. 2018, A Survey On Level Of Awareness Of E-Waste Management System, " International Journal of Advanced Research in Computer Science", Vol.9, No.1.
8. 2019, Analysis On Level Of Awareness In E-Waste Management System Among Chennai Householder," IJRAR", (E-ISSN 2348-1269, P- ISSN 2349-5138) ,Pg.no:845-851
9. 2019, "A Survey on Predicting Autism Spectrum Disorder using Machine Learning Techniques", International Journal on Emerging Technologies, ISSN No. (Print) : 0975-8364 ISSN No. (Online) : 2249-3255 10(3): 422-427(2019)
10. 2019, "Application of Machine Learning Models in Drug Discovery: A Review", International Journal on Emerging Technologies, ISSN No. (Print) : 0975-8364 ISSN No. (Online) : 2249-3255 10(3): 268-275(2019)
11. 2020, "Multivariate Classification of Drugs using Parametric and Nonparametric Machine Learning Models", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-3, January 2020

12. 2020, "Overview of an Ovarian Classification and Detection PCOS in Ultrasound Image: A Study", Springerlink, Print ISBN 978-3-030-38500-2 Online ISBN 978-3-030-38501-9
 13. 2020, "Effective Implementation of Pre-Processing Techniques in Machine Learning for Autism Spectrum Disorder," International Journal of Innovative Technology and Exploring Engineering(IJITEE)", ISSN:2278-3075, Volume-9
 14. 2020, "Gps Based Tutoring App For Students In Higher Education Institution's Entry Exam Preparation", International Journal On Engineering Technology and Sciences – IJETS," ISSN(P): 2349-3968, ISSN (O): 2349-3976 Volume VII, Issue VI, June – 2020
 15. 2020, "Voice And Hand Gesture Based Vlc Player Manipulation For Disabled People", International Journal On Engineering Technology and Sciences – IJETS, ISSN(P): 2349-3968, ISSN (O): 2349-3976 Volume VII, Issue VI, June – 2020
 16. 2020, "Machine Learning Approaches to Predict the Abiotic and Biotic Stress Tolerance Genes in Plants-A Survey", Journal Of Critical Reviews, ISSN- 2394-5125 VOL 7, ISSUE 11, 2020
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List of Conferences Published/Presented

1. 2020, "Prediction of Autism Spectrum Disorder Using Feature Engineering for Machine Learning Classifiers," 2nd International Conference on Innovative Computing and Cutting-edge Technologies (ICICCT 2020)", Bangkok, Thailand
2. 2020, "Leukemia Drug Prediction Using Machine Learning Techniques with Feature Engineering" 8th International Conference on Contemporary Engineering and Technology," Prince Shri Venkateshwara Padmavathy Engineering College
3. 2020, "Potential Breast Cancer Drug Prediction using Machine Learning Models",2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE), Vellore Institute of Technology Vellore
4. 2019," Overview of an Ovarian Classification and Detection PCOS in Ultra sound Image : A Study, "International Conference on Innovative Computing and Cutting-edge Technologies(ICICCT 2019)", Istanbul,Turkey, 978-3-030-38500-2(2019)
5. 2018, "A Survey on Level of Awareness of E-Waste Management System" International Journal of Advanced Research in Computer Science, Vol.8, Special Issue 1, ISSN No.:0976-5697.
6. 2013 "Text Extraction from Assorted Images using Morphological-Region, Texture and Multiscale Techniques – A Comparative Study", International Conference on Information Communication and Embedded Systems ICICES 2013, 978-4673-5788,IEEE,PP :294-299.
7. 2010, "English Letter Character Recognition using Back Propagation Neural Network", Proceedings of International Conference, Department of Mathematics and Computer Science, Loyala College, Chennai.
8. 2007, "A Cross Comparison of Two Clustering Algorithms" , National Conference on Trends and Challenges in Research Areas of Computer Science, Presidency College, Chennai.