FACULTY PROFILE

Name	:	**Dr. R. PADMAJAVALLI**
Qualification	:	M.C.A. M.Phil., Ph.D.
Designation	:	Associate Professor & Head
		UG & PG Dept. of Computer Science

Years of
Experience   :   **UG**   : 26 years   **PG**   : 19 years

Email Id   :   padmahari2002@yahoo.com

Areas of
Specialization   :   Data Mining

Publications

1. **R. Padmajavalli**, "A Novel Approach for the Prediction of Treadmill Test in Cardiology using Data Mining Algorithms Implemented as a Mobile Application", Indian Heart Journal, Elsevier Publications, Volume 70, Issue 4 , pg 511 – 518, 2018

2. **R.Padmajavalli**, "A Review on the Performance of Classification and Prediction Algorithms on Cardiology Data for the Prediction of Treadmill Test through a Mobile Application" International Journal of Applied Pattern Recognition Volume 5, Issue.4, 293-304, 2018

3. **R.Padmajavalli**, "Handling class imbalance in multi-label text classification", International Journal for Research in Engineering Application & Management (IJREAM) E-. Vol.04, Issue.07, ISSN: 2454-9150, 2018

4. **R. Padmajavalli,** "Evaluating techniques for pre-processing of unstructured text for text classification", International Journal of Computer Sciences and Engineering E-. Vol.6, Issue.8 , ISSN: 2347-2693, 2018

5. **R. Padmajavalli**, Evaluating the influence of feature selection techniques on multi-label text classification methods using MEKA. Journal of Theoretical & Applied Information Technology, 96(8), 2018.

6. **R. Padmajavalli**, "Comparative Survey On Data Mining Techniques For Endometrial Cancer Diagnosis And Prediction", Shanlax International Journal of Arts, Science and Humanities, ISSN 2321-788X, Volume 5, issue 4, 284 – 291,2018

7. **R. Padmajavalli**, Hybrid Model For Performance Evaluation And Feature Selection Applied On Endometrial Cancer Data, IPASJ International Journal of Information Technology (IIJIT), Volume 6, Issue 9, 11-16. ISSN 2321-5976, 2018

8. **R. Padmajavalli**, "Predicting the Dose for Case and Control Indicator of Endometrial Cancer Based On Machine Learning Model", International Journal of Scientific Research in Computer Science Applications and Management Studies, Volume 7, Issue 4, ISSN 2319-1953, 2018

9.**R. Padmajavalli**,"Performance Evaluation Using Classifier Algorithm On Endometrial Cancer Data", International Journal of Computer Sciences and Engineering, ISSN: 2347-2693, Vol.6, Issue.10, 2018.

10.**R. Padmajavalli**, "Early Warning System for Endometrial Cancer Prediction in PMB Women Using Novel Ensemble Model", International Journal of Engineering Research and Technology, ISSN 0974-3154 Volume 11, Number 10, 1533-1544, 2018

11. **R. Padmajavalli**, "Prediction Analysis of Diabetic Type-II-Foot Ulcer Data Using R and Data Classification Algorithm", Journal of Advanced Research in Dynamical and Control Systems ISSN 1943-023X -Vol. 10, 03-Special Issue, pg.no.1198-1206, 2018

12. **R. Padmajavalli**," An Implementation Approach for Diagnosis of Diabetes Type II Foot Ulcer using R in Data Mining" IPASJ International Journal of Information Technology (IIJIT),Volume 6, Issue 10, ISSN 2321-5992 pg.no. 21-29, 2018

13. **R. Padmajavalli**,"Classification of Cardiology data for the prediction of Treadmill Test" International Journal of Control Theory and Applications, International Science Press Volume 10 , Issue 36, ISSN : 0974-5572, 2017

14. **R. Padmajavalli**, "Feature Selection for Improving Multi-Label Classification using MEKA. International Journal of Applied Engineering Research, 12(24), ISSN: 14774-14782, 2017

15. **R. Padmajavalli**, "Predicting The Risk Factors For Endometrial Cancer Using Data Mining"**,** Engineering and Scientific International Journal (ESIJ) ISSN 2394- 7187(Online) Volume 4, Issue 2, ISSN 2394 – 7179, 2017

16. **R. Padmajavalli**, "Prediction of Type-2 Diabetes Foot Ulcer - A Comparative Study with Classification Algorithm", International Journal of Pure and Applied Mathematics - Volume 117 No. 7, Page No 219-230 - ISSN 1311-8080 Scopus Journal, 2017

17. **R.Padmajavalli**, "Pre-processing of Cardiology Data for Treadmill Test Prediction" International Journal of Web Technology, Vol. 5, Issue 1,pg 1-4, ISSN: 2278-2389, 2016

18. **R.Padmajavalli** "Comparative Analysis of Classification Algorithms on Endometrial Cancer Data", Indian Journal Of Science And Technology, Volume 9(28), 2016.

19. **R. Padmajavalli**, "Text Categorisation of MultiLabel Documents for Text Mining", International Journal of Computing Algorithm, Volume 4 Special issue, (1307-1314) ISSN 2278-2397, 2015

20. **R. Padmajavalli**," Diagnosis and Treatment of Diabetic Type II Foot Ulcer – SVM classification using R" International Journal of Scientific Research in Computer Science Applications and Management, ISSN 2319-1953 Volume 7, Issue UGC Journal.

21. **R. Padmaja valli**, Evaluation of Recommended Web Pages Obtained using a Novel Approach. European Journal of Scientific Research, 65(2):293-303,ISSN 1450-216X, 2011

22. **R. Padmaja valli**, An Overview of Preprocessing of Web Log Files for Web Usage Mining. Journal of Theoretical and Applied Information Technology, 34(1),. ISSN 1992-8645, 2011

23. **R.Padmajavalli**, "Automatic Recommendation of Web Pages in Web Usage Mining », International Journal on Computer Science and Engineering, 2(9):3046– 3052, ISSN 0975-3397, 2010

24. **R.Padmajavalli**, "An Application of Session Based Clustering to Analyze WebPages of User Interest from Web Log Files", Journal of Computer Science, 6(7):785– 793, ISSN 1549-3636, 2010

25. **R. Padmajavalli**. An Overview of Data Preprocessing in Data and Web Usage Mining. In Proceedings of the IEEE International Conference on Digital Information Management(ICDIM), Christ College, Bangalore, India, pages 193–198, 2006.

Presentations

1. Presented a paper "Analysis of the Performance of KNN in Cardiology Data for the Prediction of Treadmill Test" in the National Conference on Recent Advancements in Computer Science, Mathematics, Physics and Electronics organized by Bhaktavatsalem Memorial College for Women, Chennai on 8th & 9th Feb 2018.

2. Presented a paper, "Analysis of Diabetic Type-2 foot ulcer data Using R"in the National Conference on Recent Advancements in Computer Science, Mathematics, Physics and Electronics organized by Bhaktavatsalem Memorial College for Women, Chennai on 8th & 9th .FEB 2018.

3. Presented a paper "Effect of different base classifiers n problem transformation methods in multi-label text classification using MEKA" in the International conference on

telecommunication power analysis and computing techniques organized by Bharath Institute of Higher education ISBN:978-1-5090-3381-2 in 2017

4. Presented a paper "A Detailed study on the concepts and techniques in Data Mining" in the International conference on Viable Synergies in Mathematical & Natural Sciences organized by Women's Christian College on 7,8 & 9 January-2016

5. Presented a paper "Prediction-A Powerful tool in data mining: A Review" in the International conference on "Human Computer Interaction –Redefining Corporate Paradigms organized by Women's Christain College on 16th and 17th February 2015

6. Presented a paper "Prediction- A powerful tool in data mining -Review" in the International Conference "Human computer interaction-Redefining corporate paradigms" organized by Women's Christian College, ISBN- 978-81-92950-45-7 on 16th & 17th February 2015

Conferences/Workshops/Seminar/Webinars Participated

1. Participated in an Online Faculty Development Program on "Professional Ethics & Human Values" organised by IQAC of Bhaktavatsalam Memorial College for Women, Chennai on January 19, 2021

2. Participated in a webinar on "IoT – Challenges", organised by the Dept of Computer Science, Bhaktavatsalam Memorial College for Women, Chennai in May 2020

3. Participated in a webinar on "Human Robot Interactions ", organised by the Dept of Computer Science, Bhaktavatsalam Memorial College for Women, Chennai in May 2020

4. Participated in an International webinar on "Evaluation and Application of Deep Learning Concepts", organised by the Dept of Computer Science, Bhaktavatsalam Memorial College for Women, Chennai in May 2020

5. Participated in an International webinar on "Data Science", organised by the Dept of Applications & PG Dept of Computer Science, Bhaktavatsalam Memorial College for Women, Chennai in May 2020

6. Participated in a webinar on "Adapting to Virtual Classroom Learning", organised by the Dept of Accounting & Finance, Bhaktavatsalam Memorial College for Women, Chennai in May 2020

7. Participated in a webinar on "Psychological Impact on Covid-19 Outbreak", organised by the PG Dept of HRM, Bhaktavatsalam Memorial College for Women, Chennai in May 2020

8. Participated in a webinar on "Database Handling Using Python", organised by the Dept of Computer Applications & PG Dept of Computer Science, Bhaktavatsalam Memorial College for Women, Chennai in May 2020

9. Organized National level E-Quiz on "Quantitative Aptitude", organised by the Dept of Computer Applications, Bhaktavatsalam Memorial College for Women, Chennai in May 2020

10. Participated in a webinar on "Mendeley Reference Manager", organised by the Dept of Computer Science & Applications , Bhaktavatsalam Memorial College for Women, Chennai in May 2020

11. Participated in a webinar on "Humanoid Robotics", organised by the Dept of Computer Applications & PG Dept of Computer Science, Bhaktavatsalam Memorial College for Women, Chennai in March 2020

12. Participated in a one-day Seminar on "Global Economic Crisis" organised by IQAC of Bhaktavatsalam Memorial College for Women, Chennai in September 2019

13. Participated in a one-day Faculty Development Program on "Pedagogy and Personal Effectivenss" organised by IQAC of Bhaktavatsalam Memorial College for Women, Chennai in March 2019

14. Participated in a one-day Faculty Development Program on Leadership Skills "Out of Box Thinking" organised by IQAC of Bhaktavatsalam Memorial College for Women, Chennai in August 2018

15. Participated in a National workshop on "Matlab" organized by Bhaktavatsalam Memorial College for Women, Chennai in February 2014

16. Participated in a National workshop on "Research Methodology and Statistical Tools" organized by Bhaktavatsalam Memorial College for Women, Chennai on February 15-16, 2013

17. Participated in the International Conference on " Emerging Trends & Challenges in Science and Technology" organized by Bhaktavatsalam Memorial College for Women, Chennai on 1st & 2nd March 2013

18. Participated in UGC sponsored National Level Workshop on "Text Formatting in Latex" organized by SDNB Vaishnav College for Women, Chennai in February 2011

19. Participated in a workshop on "Technologies of the Future" organized by RMD Engineering College & EMC Corporation in association with IEEE CS MS, CSI Div II on 25th June 2009

20. Participated in two-day National Seminar on "Data Mining" organized by the Dept. of Computer Science, Anna University in April 2009

21. Participated in SAP Faculty Workshop on "Business Process Integration-1" organized by SAP Labs Training & Development, Bangalore in June 2006

22. Participated in the Faculty Development Program on "LIVING THE FUTURE" organized by ICFAI Business School, Kolkata in April 2006

23. Participated in a training program in SAS organized by ICFAI Business School, Hyderabad in April 2006

24. Participated in the National Seminar on " Infrastructure Finance – Prime Mover For Vision 2020" organized by ICFAI Business School, Chennai in January 2006

25. Participated in the Faculty Development Program on "APPLICATION OF SPSS IN MULTIVARIATE DATA ANALYSIS" organized by ICFAI Business School, Chennai in December 2005

Books/Chapters Published

1. A Book Review on "Trump University Marketing 101- How to use the Most Powerful Ideas in Marketing to get more Customers", Marketing Mastermind, ICFAI University Press, Hyderabad, June 2007

2. A Magazine Article "Globalization and its Impact on Outsourcing", Global CEO, IFAI Publications, January 2007

3. A Book Review on "FedEx Delivers", Best Books, ICFAI Publications, March 2006

Awards / Recognition

1. Conferred "Vocational Service Excellence Award" by Rotary Club of Madras, 2016

2. Research Supervisor, Dept. of Computer Science, Bharathiar University, Coimbatore since November 2013

3. Guided 4 Ph.D. scholars from Bharathiar University

4. NPTEL Coordinator, SPOC since 2017

Other Achievements

- ❖ Judge for International Conference on Data Mining and its Applications organized by CTTE college , Chennai held during May 22-May25, 2022
- ❖ Judge for Inter-Collegiate TechFest at Valliammal College for Women on February 1, 2020
- ❖ External Expert for the conduct of Academic Audit in the Dept of Computer Applications, Anna Adarsh College for Women, Chennai on March 13, 2019
- ❖ External Examiner for Ph.D. Public Viva-voce at Vels University on October 1, 2018
- ❖ Examiner in Practical Examination in Loyola College on April 7, 2017
- ❖ Presented a Seminar in the Dept. of Computer Science at Nazareth College of Arts & Science on August 3, 2017
- ❖ Conferred "Vocational Service Excellence Award" by Rotary Club of Madras, 2016
- ❖ Resource Person in Inter-Collegiate Technical Meet in Kanyaka Parameshwari College, Chennai, 2016
- ❖ Resource Person for International Conference on "Human Computer Interaction" at Women's Christian College, Chennai, February 2015
- ❖ Chief Guest for Inter-Collegiate Technical Meet at Nazareth College of Arts & Science, Chennai, September 2015
- ❖ Presided as Judge for Paper Presentation in the National Seminar on "Cyber Crime and Security", organized by the Dept. of Computer Science, G.S.S.Jain College, Chennai on February 24, 2014
- ❖ Conference Coordinator for the International Conference on Emerging Trends & Challenges in Science and Technology organized by Bhaktavatsalam Memorial College for Women, Chennai, March 2013
- ❖ Organizing Committee Member for National Conference on Challenges in Business Practices organized by Bhaktavatsalam Memorial College for Women, Chennai, March 2012