

**Dr. K.KAVITHA, Ph.D**

**Assistant Professor**

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**ACADEMIC PROFILE**

- Ph.D – Computer Science from Madurai Kamaraj University, Madurai (Nov 2014)
- M.Phil – Computer Science from Bharathidasan University, Trichy (March 2009)
- MCA – Madurai Kamaraj University, Madurai (April 2002)
- B.Sc- Chemistry , Alagappa Govt. Arts College, Karaikudi (April 1999)

**TECHNOLOGY SUMMARY/ COMPUTER SKILLS**

- **Programming / Languages:** VB .Net, C, C++, C#, Visual Basic, HTML, PHP, Java
- **Databases Management:** Oracle, SQL Server, MS Access
- **Design Tools:** Photoshop, Flash, Corel Draw
- **Operating System:** Windows, Unix, Linux

**EXPERIENCE**

Teaching Experience : 17 Years

Research Experience : 9 Years

**CAREER HISTORY**

1. Assistant Professor, Department of Computer Science, Mother Teresa Women's University, Kodaikanal (from 30.3.2015 till date)
2. Assistant Professor, Department of Computer Science, Dr.UmayalRamanathan College for Women, Karaikudi (from June 2007 to March 2015)
3. Guest Lecturer, Department of Computer Science, Alagappa Govt. Arts College, Karaikudi (from June 2002 to May 2007)

## ADDITIONAL RESPONSIBILITIES

- Member – Placement Committee, Mother Teresa Women’s University
- Member- Website Updation Committee, Mother Teresa Women’s University
- Member – Distance Education Inspection Committee, Mother Teresa Women’s University

## Research Interest

Data Mining, Data Analytics, Cloud Computing, Internet of Things

## Research Supervision

Program of Study	Completed	Ongoing
Ph.D	-	4
M.Phil	11	1

## Publications

International		National		Others
Journal	Conference	Journal	Conference	Books / Edited
25	10	-	15	2

## Memberships

### Professional

- Life Member of International Association of Engineers (IAENG)

### Academic

1. Board of Studies Member, Department of Computer Science, Madurai Kamaraj University from June 2017 to 2020.
2. Board of Studies Member, Department of Computer Science, Mother Teresa Women’s University from 2017 to 2020.

### Seminars /Workshops/ Conferences

1. Organised in Leading Role : 10
2. Resource Person in various capacities : 12

### Funds Received (Project/ Seminar Grant)

1. ICMR sponsored **Rs. 40,000** – National Conference on “Innovative Smart Technologies for Public HealthCare”
2. ICSSR sponsored **Rs. 1,00,000** – National Conference on Tribal Women Empowerment via Emerging Technologies: Issues and Challenges”
3. NCW sponsored **Rs. 1,32,250** – Three Days Workshop on “Empowering Underprivileged Rural Women as Entrepreneur via Skill Training Programmes in and around Madurai District”
4. SIRD – **Rs. 4,11,950** , “The Research on evaluation of the PRI-SHG Network convergence framework in Ramanathapuram & Virudhunagar District” - State Institute of Rural Development & Panchayat Raj
5. DST sponsored “AI Lab Setup” – Rs. 70 Lakhs , Co-Investigator

### RECENT PUBLICATIONS

1. “Precising Women using Digital Security Techniques” Page No. 17-21, National Conference on Innovative Trends in Information Technology organized by Sri Vasavi College, Erode on 5<sup>th</sup> March 2016, ISBN: 978-93-85517-12-9
2. “Student’s Appraisal towards Programming Skills in Higher Educational Institutions using Data Mining Techniques”, National Conference on New Horizons in Computational Intelligence and Information Systems [NCNHCIIS-2015] organized by Department of Computer Science, Gandhigram Rural Institute, Dindigul on 17<sup>th</sup> and 18<sup>th</sup> December 2015, Page No. 250-253, ISBN: 978-93-85777-02-8.
3. “ICT Responsibilities towards Rural Health Care systems”, National Conference on Role of Information and Communication Technology on the Growth of Service Industries, organized by Sri Kaliswari College, sivakasi on 20<sup>th</sup> & 21<sup>st</sup> March 2016 ISBN:978-93-5258-485-7, Page No.10-11
4. “Improvising Women Safety through Smart Technologies”, National Conference on Women against Violence organized by Department of Women’s studies, Mother Teresa Women’s University on 7<sup>th</sup> April 2017 ISSN: 2455 7285 Page No. 71-73
5. “Rescue Technique Awareness for Adults in Post Crash care Accident using Mobile Application” National Conference on Public Health Informatics- The Future Perspective” organized by Dept. of Computer Applications, Vivekanadha Institute of Information and

Management Studies on 31<sup>st</sup> August 2017 ISBN:978-9387102-13-2 Page No. 127-131

6. “A Survey on Bigdata Mining in Healthcare System”, Journal of Emerging Technologies and Innovative Research , ISSN:2349 5162, Volume 6 Issue 4 April 2019
7. “Assessing Teacher’s Performance Evaluation and Prediction Model using Cloud Computing over Multi-Dimensional Dataset” Technology Review, ISSN: 1099 274x, Volume 40, issue 1, 2019
8. “Implementing Joint Scheduling Approach in Cloud Computing for Energy Optimization”, International Journal of Pure and Applied Mathematics, Volume 118, No.9 , 2018 ISSN: 1314 3395
9. “Different Methodology in Bigdata and Cloud Computing Resource Management Frameworks”, Journal of Emerging Technologies and Innovative Research , ISSN:2349 5162, Volume 6 Issue 4 April 2019
10. “Classifying the Category of Workers using Crowd sourced Job Seekers Data”, International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278 3075, Pg No 2389-2394, 2019
11. “ Disease Inference from Health related questions using Sparse Neural Network and LSTM”, International Journal of Innovative Technology and Exploring Engineering, ISSN : 2278-3075, April 2019
12. “Mathematical Model-Based Speech Signals Processing Effects on Human Stress”, International Journal of Emerging Trends in Engineering Research, ISSN 2347 – 3983, 2019
13. “An Efficient Node Priority and Threshold-Based Partitioning Algorithm for Graph processing”, Springer – Intelligent Computing and Innovation on Data Science pp 783-792, May 2020
14. “Performance Evaluation of Supervised and Unsupervised Machine Learning Algorithms by Predicting Cardiovascular Heart Disease”, International Journal on Emerging Technologies, ISSN No. (Print): 0975-8364 ISSN No. (Online): 2249-3255, August 2020
15. “Random Task Unit and Contribution Density (RTU\_CD) based Technique for Crowd Sourcing Network”, IEEE Xplore Part Number: CFP20J32, ISBN: 978-1-7281-5518-0, 2020