

Curriculum-Vitae

K.Kavitha

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Karaikudi.

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Objective:

To work in a creative, challenging environment where I can constantly learn and provide solutions with a sense of loyalty, responsibility and creativity.

Summary:

- ❖ 12+ Years of Experience in Teaching
- ❖ Qualified Doctorate Degree in Computer Applications.
- ❖ Strong Background in **Visual Basic, VB.Net & Java.**

Professional Experience:

- Working as an Assistant Professor in Department of Computer Science at Mother Teresa Women's University, Kodaikanal from March 2015 to till date.
- Worked as an Assistant Professor in Department of Computer Science at Dr. Umayal Ramanathan College for Women, Karaikudi from June 2007 to till date.
- Worked as a Lecturer in Department of Computer Science at Alagappa Govt. Arts College, Karaikudi from June 2002 to June 2006.

Academic Profile:

- Philosophy of Doctorate
Madurai Kamaraj University
Madurai
- Master of Philosophy in Computer Science
Bharathidasan University
Aggregate : 75.
- Master of Computer Applications
Alagappa Chettiar College of Engineering & Technology,
Karaikudi.
Madurai Kamaraj University
Aggregate : 76.

- Bachelor of Science (Chemistry)
Alagappa Govt. Arts College,Karaikudi.
Madurai Kamaraj University
Aggregate : 75.

Ph.D Research Project:

Title: Actionable Pattern Mining from high Voluminous Datasets

Work Done: Priority based Frequent Pattern Mining Algorithm implemented
along with Combined and Composite Association Rule

Result Achieved: Identifies Efficient Interestingness Measure, filter the Duplications,
Reduces the Row and Column wise Transactions using Class Labels and Bitmaps
Reduction Technique and Reduces the time complexity than the existing DS_CWFP
algorithm.

M.Phil Research Project:

Title: Optimizatoin Techniques for Transportation Problem

Work Done: Improvised K-Means algorithm implemented

Result Achieved: Identifies the Shortest path which is very efficient compared
with classical K-Means Algorithm.

Project Experience in MCA:

Name of the Concern : CCS InfoTech Ltd.,T.Nagar,Chennai.

Topic : Purchase Order Processing & Stock Maintenance

Duration : 6 Months

Technologies : Visual Basic 6.0 & MS-Access

Technical Background:

Operating Systems Known	:	Ms-DOS, Windows NT.
Languages Known	:	C, CPP,Java, VB,VB.Net.
Packages Known	:	Ms-Office.
RDBMS	:	Oracle, SQL Server.
Web Designing	:	HTML, ASP,Photoshop, Flash.

LIST OF PUBLICATIONS

International Journals

[1] K.Kavitha, E.Ramaraj, "Mining actionable patterns using combined association rules", published in International Journal of Current Research, Vol.4, pp. 117-120, Jan 2012. ISSN:0975-833x

[2] K.Kavitha, E.Ramaraj, "Knowledge Discovery approach in shopping complex database(ASCD)", published in International Journal of computer and organization trends, vol.2, June 2012 ISSN:2249-2593

[3] K.Kavitha and E.Ramaraj, "IP-FPM: An Efficient Algorithm for Intensified Priority Based Frequent Pattern Mining," published in European journal of Scientific Research, Vol 95 issue 2 Jan 2013. ISSN: 1450-216x

[4] K.Kavitha and E.Ramaraj, "An adequate approach for Actionable pattern using Combined and Composite Association Rule Mining" published in Universal Journal of Applied Computer Science and Technology, Vol 3 (2), April 2013, pp 387-393 ISSN 2250-0987

[5] K.Kavitha and E.Ramaraj, "Comparing various approaches of Frequent Pattern Mining with Combined Association Rule," Published in European journal of Scientific Research, July 2013. ISSN: 1450-216x

[6] K.Kavitha and E.Ramaraj, "Efficient Transaction Reduction in Actionable Pattern Mining for high voluminous datasets based on Bitmap and Class Labels", Published in International Journal of Computer Science and Engineering, vol 5 July 2013.

[7] K.Kavitha and E.Ramaraj, "Efficient Patterns Using Hidden Web Trajectory Concept", published in International Journal of P2P Network Trends and Technology - Volume3Issue1- 2013.

[8] Dr. K.Kavitha, "Methodology to Reduce Transaction in Candidate Set Generation through Apriori Algorithm", Published in International Journal of Applied Engineering Research" ISSN 0973-4562 Vol. 10 No.55 (2015).

[9] V.Kala, Dr. K.Kavitha, "Performance Evaluation of Brain Tumour Diagnosis Techniques in MRI Images" Published in International Journal of Advanced Technology, ISBN:978-81-931039-3-7.

[10] P.Poornima, Dr.K.Kavitha, "User Profiling using Recommended System", Published in International Journal of Advanced Technology in Engineering and Science, Volume No 03, Special Issue No. 01, April 2015 ISSN (online): 2348 – 7550

[11] G.Kavitha, Dr. M.Pushpa Rani, Dr. K.Kavitha, “Aspect based Product Evaluation using Sentiment Analysis” , Published in International Journal of Advanced Technology in Engineering and Science, Volume No 03, Special Issue No. 01, April 2015 ISSN (online): 2348 – 7550

[12]Dr. K.Kavitha, “ Academic Performance Appraisal for Teachers using Association Rule Mining Technique” published in International Journal of Computer Science and Network, Volume 4, issue 3 June 2015.

[13] Dr. K.Kavitha, ‘Mobile Banking Supervising System- Issues, Challenges & Suggestions to Impro Mobile Banking Services” published in Advances in Computer Science an International Journal, Volume 4, Issue 4 , July 2015.

Conference / Seminar/ Workshop Attended:

[1] Presented “An Enhanced Intensified Priority based Frequent Pattern Mining Algorithm for Effective Knowledge Discovery”- National Conference on Computer Science and Informatics(NCCSI’13) organized by Department of Computer Science & Engineering, Anna University Regional Centre, Madurai on 17th & 18th April 2013.

[2] Participated “Access and Expansion, Equity and Inclusion, Quality and Excellence in Higher Education-Issues and Strategies” – One Day Workshop organized by Alagappa University on 12th May 2012.

[3] Presented “An efficient Modified Apriori algorithm for Transaction Reduction” - National Conference on Emerging Innovative Technologies organised by Thiruthangal Nadar College, Chennai on 27th August 2014.

[4] Participated One day Internal Quality Assurance Cell Colloquium organised by Alagappa University on 10th Dec 2014.

[5] Presented “An innovative Approach for Extracting Frequent Itemset & Reducing Number of Scanning from Massive Dataset”-International Conference on Computational Intelligence and Big Data Analytics organized by Vivekananda Institute of Information and Management Studies, Tiruchengode on 6th & 7th March 2015.

[6] Presented “Mining Frequent Patterns using Actionable Pattern Approach” – International Conference on Recent Trends in Computing Technology organized by Ganapathy Chettiar College of Engineering & Technology on 12th April 2013.

[7] Presented, “Purchasing through E-Payment using Debit Card System – Issues and Challenges” – International Conference on “Strategies for Sustainable Growth of E-Commerce” organized by V.N.N.Senthkumara Nadar College, Virudhunagar on 24th & 25th July 2015.

[8] Presented “Electronic Payment System” – National Conference on Resurgence of C Language organized by Carmel College, Mala, Kerala on 31st July & 1st August 2015.

[9] Presented “Comparative Study of Various Enhanced Selection Sort Algorithm” – National Conference on Recent Trends for Privacy Preserving Techniques in Data Mining organized by St.JosephCollege,Irinjalakuda.s

Conference / Seminar/ Workshop Organised:

[1]Organised National Seminar on Mending Networks on 8th Aug 2013

[2]Organised National Conference on Computing and Mathematical Sciences on 17th and 18th Oct 2014.

Contribution to College:

- College Website Updation
- Cultural Co-ordinator
- Lab Incharge
- Member of Discipline Committee

Subjects Handled:

- Discrete Mathematics
- Data Mining & Data Warehousing
- Operating System
- Database Management System
- Computer System Architecture
- Computer Graphics

Personal Profile:

Date of Birth : 6.2.1979

Marital Status : Married

Address : No.63, Alangudiar Street, Karaikudi,

Email : kavitha.urc@gmail.com

Declaration:

I hereby declare that the details furnished above are true to the best of my knowledge and belief.

(K.Kavitha)