

STAFF PROFILE

- 1) Name : Dr.K.GAYATHRI
2) Designation : Assistant Professor
3) Department : Bachelor of Computer Applications (BCA)
4) Qualification : M.Sc, M.phill, B.Ed, Ph.d.,
5) Experience : Teaching : 12 Year 5 Months Research : 7yrs
6) Area of Specialization (s) : Data Mining
7) E-mail : sasmithagp@gmail.com

8) Academic Qualifications :

- Bachelor of Computer Science at :Sri Ramalinga Sowdambikai college of arts and science, Bharathiar University in 2001-2004
- Master of Computer Science at: Ramakrishna college of arts and science for womens, Bharathiar University in 2004-2006
- M.phil in Computer Science : Bharathiar University in 2006-2008
- B.Ed in computer Science: Tamil nadu university in 2010.
- Ph.D in computer science : Karpagam University.2011-2018.

Research Publications

International:

1. Mrs.K.Gayathri, “**Feature Selection And Clustering Approaches To The SVM Text Categorization**” *IJARCS* , Volume 3,No.5 Sep-Oct 2012, ISSN: 0976-5697, Pg.No170-174
2. Mrs.K.Gayathri, “**Feature Selection & Clustering Approaches to the KNN Text Categorization**” *IJCSET*, Volume 2, Issue 9, Sep-2012, ISSN 2231-0711, pg.No.1406-1409.
3. Mrs.K.Gayathri, “**Text Categorization using PDDP with support vector machines**, *IJETTCS*, Volume 1, Issue 3, Sep-Oct 2012, ISSN: 2278-6856, pg.No.224-227.
4. Mrs.K.Gayathri, “**K-Nearest Neighbour with EM Algorithms for Multi-label Classification**” *IJARCSSE*, Volume 4 Issue 4, April-2014, ISSN: 2277-128x,Pg.No.1329-1331.
5. Mrs.K.Gayathri, “**Hybrid One –Pass Clustering with Enhanced KNN Classifier Combined with EM for Text Categorization**” *IJST*, Volume 6, Issue 3, July 2016.ISSN: 2250-141X, Pg.No35-42.
6. Mrs.K.Gayathri, “**Feature Selection with LSI & PDDP for Machine Learning KNN**

Classification” IJARCSSE, Volume 2, Issue 11, Nov-2012, ISSN: 2277-128X, Pg.No.254-258).

7. .K.Gayathri, “**Optimized Association Rule Based Text Categorization with OARTC Algorithm**”, *Karpagam University Journal, Volume-10, Issue -3, April-2016*.
8. Mrs.K.Gayathri “**Hybrid one pass clustering with enhanced KNN classifier combined with EM for Text categorization(H3TC) Algorithm**”, “*International journal of science & Technology- ijst*” july 2016, Vol-6, Issue:3, ISSN: 2250-141X.
9. Mrs.K.Gayathri “**An improved text document classification is performed by using K-Nearest Neighbour Algorithm**” “*IOSR Journal of Engineering, 2016,Vol- x, Pages no. 2278-2281*.
10. Mrs.Dr.K.Gayathri, “ **A new term weighting scheme for improving the feature selection vectors**”. “*Journal of Analysis & Computation-JAC, 16 April 2019*,
11. Mrs.Dr. K.Gayathri, “**Text Categorization Based on the relative amount of word frequency in each classification**”, *International Journal of analytical & experimental model analysis*”, January 2020, Vol-XII, ISSUE I, pg.629-636.
12. Mrs.Dr.K.Gayathri, “**A Comparative Analysis Of Text Categorization Using Deep Learning Techniques**”, “*Indian Journal of Natural Science*” UGC Care List Group - 1Journals,impact factor 4.6 .july 2020

13. Presentations in Conference

International

- 1.Mrs.K.Gayathri, “**Basic Preprocessing step in text categorization**”. *International Conference in PSGR Krishnammal College*.
- 2.Mrs.K.Gayathri, ” **Text document preprocessing with the KNN classification using the SVM**”. *International Conference in Karpagam College of engineering*.
- 3,Mrs.K.Gayathri,“**Featureselection of PDDP approach on the SVM categorization**”.*International Conference in Ayyan Thrivalluvar College of arts and science*.
4. Mrs.K.Gayathri, “**SVM classification using in Text categorization**” *Internation conference in Sankara college of computer management,Coimabtoe*.
5. Mrs.K.Gayathri, **Text categorization with support vector machine classification**”, *International Conference in Maria College of engineering* .
- 6.Mrs.K.Gayathri, **Enhanced IF/TDF with one pass clustering and SVM**”. *International Conference in Tejaa shakthi institute of technology for women*.

National:

- Mrs.K.Gayathri “**Minimum span tree clustering**” National Conference in Dr.G.RDamodaran College of Science.
- Mrs.K.Gayathri “**Clustering techniques in data mining**” National Conference in KovaiKalaimagal college of arts and science.
- Mrs.K.Gayathri “**An Enhanced IF/IDF Technique applied in Text Categorization**” National Conference in Sankara College of arts and science ,Coimbatore on
- Mrs.K.Gayathri “**Text categorization with support vector machine classification**” International Conference in Maria College of engineering On
- Mrs.K.Gayathri “Enhanced IF/TDF with one pass clustering and SVM”,. Internation Conference in Tejaa shakthi institute of technology for women
- Mrs.K.Gayathri “Machine Learning & Its Application, ” National Level Conference on Machine Learnings impact on Cloud Computing “ NCMLICC’20 on 19.02.2020.
- Mrs.K.Gayathri “PreProcessing Technique for natural language processing in text categorization” Organized by Computer science stream of Sri Krishna Arts & Science College, Coimbatore on 12.02,2020.

Participation in Workshop

Mrs.K.Gayathri “ **R-Programming and Analytics**”, *Organized by Department of CS, CA,IT collaboration with Gate way Software Solution, in Nirmala college for women, on 06.10.2017.*

Mrs.K.Gayathri “ **Advanced Python**” *Organized by Department of CS, CA,IT collaboration with Be Positive Institute for Skilling Pvt Ltd, in Nirmala college for women, on 12 02.2018.*

Mrs.K.Gayathri “ **IoT**” *Organized by Department of CA, collaboration with BeeyondZero, Software Solutions in Nirmala college for women, on 24 02.2018.*

Mrs.K.Gayathri “ **MULTIMEDIA**” *Organized by Department of CA, collaboration with BeeyondZero, Software Solutions in Nirmala college for women, on 21.03.2018 & 22.03.2018.*

Mrs.K.Gayathri, “**Outcome Based Education** “*organized by IQAC, Nirmala college for women,on 24.03.2018.*

Mrs.K.Gayathri, “**Outcome Based Education** “*organized by IQAC, Nirmala college for women,on 22.06.2018 & 23.06.2018.*

Mrs.K.Gayathri “ **Intellectual Property Rights, ”** *organized by IQAC, Nirmala college for women,on 02.02.2018*

Mrs.K.Gayathri “ **LATEX**” *Organized by Department of CA, collaboration with BeeyondZero, Software Solutions in Nirmala college for women, on 21.02.2019.*

Mrs.K.Gayathri “ **Content Development Using Joomla**”, Organized by Department of Computer Applications Collaboration with ATS Technology, on 09.04.2019.

Mrs.K.Gayathri Attende the Work shop on “Revised Guidelines for the Accreditation Process of NAAC. On 07.03.2020 , Nirmala College for women.

Participated in ICT Tools for Effective Teaching on 01.07.2020 organized by the Department of maths(sf), Nirmala College for Women, Coimbatore.

Participation in Orientation Programme/ Induction Programme/ Short term Courses

Dr.Mrs.K.Gayathri, “Exploration of research innovations :its trends and challenges’ Organized by Department of Library . in Nirmala Collefe ofr women, on 11.10.2020.

14. Member in Board of Study

- I served 3 years as a board member in Kovai Kalaimagal College of arts and science, Coimbatore.

