

## STAFF PROFILE

- 1) Name : Dr.K.GAYATHRI
- 2) Designation : Assistant. Professor
- 3) Department : Computer Applications
- 4) Qualification : M.Sc, M.Phil, P.hd.,
- 5) Experience : Teaching :12 Research : 7
- 6) Area of Specialization (s) : Data Mining
- 7) E-mail : sasmithagp@gmail.com
- 8) Academic Qualifications : B.Sc (CS) M.Sc (CS)., M.Phil, B.Ed., P.hd.

### 9) 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. Mrs.K.Gayathri, “**Optimized Association Rule Based Text Categorizationwith 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 -1 Journals,impact factor 4.6 .july 2020

10) 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, “**Feature selection of PDDP approach on the SVM categorization**”.International Conference in Ayyan Thiruvalluvar College of arts and science.
4. Mrs.K.Gayathri, “**SVM classification using in Text categorization**”, International 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**

1. National Conference in Dr.G.R Damodaran College of Science “**Minimum span tree clustering**”.
2. National Conference in Kovai Kalaimagal College of arts and science, Coimbatore “**Clustering techniques in data mining**”.
3. National Conference in Sankara College of arts and science ,Coimbatore “**An Enhanced IF/IDF Technique applied in Text Categorization**”

#### 11) Participation in Workshop

- UGC sponsored Workshop on Outcome Based Education, IQAC
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- UGC sponsored Workshop on “Intellectual Property Rights, Patent and Copyrights”. Internal Quality Assurance Cell.
- Content Development using JOOMLA

#### 12) Participation in Faculty Development Programme

- Participated in Google Classroom and Book publishing on 24.10.2017 organized by the Department of computer science , Computer Application and Information technology, Nirmala College for Women, Coimbatore.
- Participated in Innovative Teaching Strategies on 30.10.2019 organized by the Curriculum Development Cell, Nirmala College For Women, Coimbatore.
- Participated in Recent Trends in Techniques in Web Applications development on 27.11.2019 organized by the Department of Computer Science, Computer Applications and Information Technology, Nirmala College For Women, Coimbatore.
- Participated in Web Application Development And Deployment Using Spring Framework on 28.11.2019 & 29.11.2019 organized by the Department of computer science , Computer Application and Information Technology, Nirmala College for Women, Coimbatore.
- Participated in Web Application Development And Deployment Using Spring Framework on 28.11.2019 & 29.11.2019 organized by the Department of computer science , Computer Application and Information technology, Nirmala College for Women, Coimbatore.
- Participated in Google Classroom and Book publishing workshop on 24.10.2017 organized by the Department of computer science , Computer Application and Information technology, Nirmala College for Women, Coimbatore. Content Development on 14-07-2020 organized by IQAC in KSR College of arts & science.
- Participated in ICT Tools for Effective Teaching on 01.07.2020 organized by the Department of maths(sf), Nirmala College for Women, Coimbatore.

#### 13) Conference/ Seminar/ Workshop Organized -2

#### 14) Member in Board of Study

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