#3, Sri RamKamal Apartments
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Dr.C.P.Sumathi

Designation	: Associate Professor & Head
Department	: Research Department of Computer Science
Qualification	: M.Sc., Ph.D
College with Address	: Department of Computer Science S.D.N.B.Vaishnav College for Women
(Autonoumous)	Chromepet, Chennai – 44 Ph (044) 22655450
Nature of Service	: Regular
Date of Birth	: 29.05.1966
Nationality	: Indian
Address (Residential)	: 3, Sri Ramkamal Apartments 23, Srinivasa Pillai street, West Mambalam, Chennai – 600 033. Tamil Nadu.
Area of Specialization	: 1. Artificial Neural Networks 2. Biometrics

Academic Qualifications:

Division / Exam Passed	Board/ University	Subject	Year	Grade/Merit
B.Sc	University of Madras	Mathematics	1986	I Class with Distinction
M.Sc	Alagappa University	Computer Applications	1988	I Class with Distinction
Ph.D	University of Madras	Computer Applications	2005	-

Teaching Experience:

Date of Entry into Tamilnadu Government Collegiate Educational Service : 19-01-1990

Courses Taught	Name of University/ College/ Institution	Duration
B.Sc (Computer Science) (Aided)	SDNB Vaishnav College for Women, Chromepet, Chennai-44	January 1990 to till date
M.Sc (Information Technology) (Un-aided)	do	2000 – 2006
M.Phil (Distance Education)	Annamalai University	2006
Ph.D	1. Bharathiar University 2. Mother Teresa University 3. Manonmaniam Sundaranar University 4. University of Madras	From 2008

Total Teaching Experience:

a) Under Graduate : 31 years and 9 months
b) Post Graduate : 7 years
c) Research : 13 years

Research Work:

Research Stage	Title of work / Thesis	University where the work was carried out
Ph.D completed in 2005	A Study on Fingerprint Classification and Recognition Using ARTMAP	University of Madras

Research Project carried out:

Title of the Project	Name of the Funding Agency	Duration	Remarks
Performance analysis of text information extraction methods from images	UGC- Minor	18 months	Completed

Improvement of Professional Competence:

Participation in Orientation / Refresher Courses

S.No	Name of the Course	Sponsoring Agency	Place	Duration
1	Orientation Course	ASC of University of Madras	University of Madras	04/11/94 to 01/12/94 28 days
2	Refresher Course	ASC Rani Durgavati Vishwavidyalaya	Jabalpur	16/03/98 to 04/04/98 21 days
3	Refresher Course	ASC of Bharathidasan University	Jamal Mohamad College	09/11/99 to 29/11/99 21 days
4	Refresher Course	ASC of Pondichery University	Pondichery University	17/02/2000 to 08/03/2000 21 days

Participation in Seminars, Symposia and Workshops:

S.No	Name of the Seminar / Conference/ Symposia / Workshop etc	Name of the Sponsoring Agency	Place	Date
1	Techno Vision 2003	M.O.P Vaishnav College for Women	M.O.P Vaishnav College for Women	23-01-2003
2	Pedagogy of Teaching Environmental Studies	ASC of University of Madras	University of Madras	12-07-2004 to 16-07-2004
3	UGC Sponsored National level Conference on Biometrics	Erode Arts College	Erode Arts College	28-01-2005 & 29-01-2005
4	Fifth National Conference on Recent Trends in Advanced Computing	Manonmaniam Sundaranar University	Department of Computer Science & Engineering, MS University	11-02-2005
5	UGC Sponsored National Conference on Computer Science and Informatics	St. Joseph's College, Tiruchirapalli	Department of Computer Science, St. Joseph's College, Tiruchirapalli	18-02-2005 & 19-02-2005
6	**Chairperson** – International Conference on Mathematics and Computer Science	Loyola College	Department of Mathematics, Loyola College	05-01-2009 & 06-01-2009
7	Workshop on "J2EE and Best Practices in Application Development"	ICT Academy of Tamil Nadu - sponsored by Cognizant Technology &	ICT Academy - Perungudi	19th and 20th Nov 2009

		Tata Consultancy Services		
8	**Chairperson** – International Conference on Mathematics and Computer Science	Loyola College	Department of Mathematics, Loyola College	05-02-2010 & 06-02-2010
9	Workshop on "ETV/e-content production"	Educational Multimedia Research Centre-Anna university, Chennai-sponsored by UGC	Anna University	29th and 30th January 2010
10	Two day workshop on "SOCIAL NETWORK ANALYSIS"	WOMEN'S CHRISTIAN COLLEGE, CHENNAI	WOMEN'S CHRISTIAN COLLEGE, CHENNAI	10/8/2018 & 11/8/2018
11	Change is the Essence of Life	ICTAcademy	ONLINE MODE	25-May-2020

Details of Seminars / Conference / Symposia organized

S.No	Title of the Conference	Name of the funding agents	Duration
1	FDP Program by (10 days program) on "LAMP Programming"	iByteCode Training Solutions	SDNB Vaishnav College for women, Chromepet
2	UGC Sponsored Workshop on "Text formatting with Latex"	SDNB Vaishnav College for women, Chromepet	26/2/2011 & 27/2/2011 Organized by Dept. of Computer Science and Dept. of Mathematics
3	Workshop on "Research Tools in Scientific Computing"	SDNB Vaishnav College for women, Chromepet	18/11/2011 & 19/11/2011
4	Workshop on Excel 2007 & Tally for Non-Teaching staff	SDNB Vaishnav College for women, Chromepet	26/11/2011 & 03/12/2011
5	Convener for the National Level Conference organized by the departments of Computer Science and Mathematics	SDNB Vaishnav College for women, Chromepet	2012
6	Convener of the National workshop on Image Processing and Neural Networks	SDNB Vaishnav College for women, Chromepet	2013
7	Convener of the National workshop on Research Methodologies using SPSS and R	SDNB Vaishnav College for women, Chromepet	2014

8	Convener for the National level seminar on Cyber Security	SDNB Vaishnav College for women, Chromepet	2015

Research Contribution:

Course	Registered	Completed so far
M.Phil	2	2
Ph.D	14	10 Completed 1 – Thesis submitted 1 – Synopsis submitted 2 - Ongoing

S.No	Name of the Scholar	Title of the Thesis	Month & Year of Award / Submission
Mother Teresa Women's University, Kodaikanal			
1	Dr. R.Padmajavalli	Optimization of Pattern Matching in Web Usage Mining	Nov 2012
2	Dr.N.Sumathi	An Intelligent Active Queue Management Scheme For Congestion Control To Maintain Queue Stability	Oct 2014
3	Dr. V.Meenakshi	Confidence Scoring in Out-of-Vocabulary Recognition and Morphology Based Modeling in Speech Recognition System.	Oct 2014
4	Dr. G.Maria Priscilla	An Intelligent Active Queue Management Scheme For Congestion Control To Maintain Queue Stability	July 2014
Bharathiar University, Coimbatore			
5	Dr.N.Priya	A study of automated text content extraction from assorted images	2014
6	Dr.G.Gayathri Devi	Text Extraction and Recognition from Complex Images using Image Processing and Neural Network	Feb 2016

Manonmaniam Sundranar University, Tirunelveli			
7	Dr. M. Mahadevi	Detecting Facial Expressions Using Genetic Algorithm	Jan 2018
8	Dr. B.M.Gayathri	A Robust Hybrid Machine Learning Algorithm for Detecting Breast Cancer with Reduced Features	March 2020
9	Dr. G. Umamaheswari	Hiding Sensitive Data Using Steganography	Oct 2020
University of Madras, Chennai			
10	Dr. Shoba Dyre	An Efficient and Robust Model for Fingerprint Classification and Verification Based on Directional and Local Structures	Feb. 2019
11	Mrs. M S. Padmavathy	An Efficient Data Pre-Processing Approach for Classifying Medical Datasets	Thesis Submitted
12	Mrs. M.R. Sudha	Investigations on Energy Efficient Solutions for Smart Green Mobile Cloud Computing and Data Center	Synopsis Submitted
13	Mrs. Blessy Boaz	Ongoing	
14	Mrs. Birunda Antoinette Mary	Ongoing	

Additional Information

a) Administrative Experience

1. Head, Department of Computer Science
   SDNB Vaishnav College for Women – since 2010
2. Chief Superintendent, University of Madras- Oct / April 2005.
3. Controller of Examinations for two years 2017-2019

b) Related to Academic

1. Member, Staff selection committee, various colleges.
2. Member, Board of studies, Periyar University.
3. Subject Expert, Recruitment of lecturers for Government colleges, Teacher's Recruitment Board.
4. Question paper setter- various colleges and Universities.
5. Board member- UG &PG valuation in various colleges and Universities.
6. Appointed as Convener/Member of Inspection commission several times to grant fresh/continuous affiliation for UG/PG courses in Computer Science for various colleges by University of Madras.
7. Chairperson- International Conferences in Loyola college and National Conference in Vellammal Institute of Management Studies.

8. Served as College Union Vice-President in the academic year 2008-2009.
9. Convener of Smrti- an inter-collegiate festival organized by SDNB Vaishnav College for Women.
10. Chief Examiner in Central Valuation camp of University of Madras from 2000 onwards
11. Convener college exams seating arrangement (2004 -2006)
12. Public Relations Officer of the college (2009 – 2011)
13. Coordinator for Admission processing coordinated the admission process since 2000.Took active role in making the application process online for shift I & II courses from the academic year 2015-16. Online admission coordinator 2014-2015
14. Member Research Committee (2011 – 2015)
15. UGC Nodal Officer and All India Survey of Higher Education coordinator from 2011-2015
16. Convener Planning Forum (2013 – 2015)
17. Member Admission Committee for 10 years
18. Vice president Computer Science Association for 5 years
19. Member Ethics Committee (2014- 2015)
20. NAAC Coordinator for third cycle 2016
21. Academic Council Member 2020 – 2021
22. Governing Body Member 2020 - 2021

c) Organization of Departments / Divisions / Laboratories, etc

1. Coordinator, Computer education for all (e-edu-govern) at SDNB Vaishnav College for Women.
2. Established Language laboratory under UGC grant.
3. Research Contributions

Publications in International / National Conferences & International Journals:

2020

Padmavathi, M.S., Sumathi, C.P, "A Novel Approach Using Support Vector Machine for Outlier Removal and Multilayer Perceptron in Classifying Medical Datasets", Advances in Intelligent Systems and Computing, 2020, 1118, pp. 339–352

2019

M.S Padmavathi and C.P Sumathi, "A New Method of Data Preparation for Classifying Diabetes Dataset", Indian Journal Of Science and Technology, 12(22), 2019.

M.S Padmavathi and C.P Sumathi, "A Hybrid Classification Model using Genetic Algorithm and Support Vector Machine combined with Consistency based subset evaluation for Feature Selection", International Journal for Research in Engineering Application & Management (IJREAM), 5(3), 225 – 234, June 2019. (UGC Approved)

C.P Sumathi and M.S Padmavathi, "An Experimental Approach of Applying Boruta and Elastic Net for Variable Selection in Classifying Breast Cancer Datasets", International Journal of Knowledge Engineering and Data Mining (IJKEDM), Inderscience Publisher 2019 Vol.6 No.4, pp.356 – 375

M. R. Sudha and Dr.C. P. Sumathi, A.Saravanakumar "An Optimal Energy Consumption Based Resource Management in Mobile Cloud Computing", International Journal of Recent Technology and Engineering (IJRTE) , ISSN: 2277-3878, Volume-8 Issue-2S4, July 2019

M. R. Sudha and Dr.C. P. Sumathi, "A Smart Green Data Center of Energy Conservation in Cloud and Mobile Cloud Computing," International Journal of Computer Sciences and Engineering, Vol. 7, Issue 1, pp 212-220, E-ISSN: 2347-2693, Jan 2019, IF: 3.022

2018

G.Umamaheswari, C.P.Sumathi, "Role of soft computing techniques in improving the strength of steganographic systems", International Journal of Advanced Research in Computer Science, Volume 9, Special Issue No. 1, February 2018, (ISSN: 0976-5697), GIF:0.765.

G.Umamaheswari, C.P.Sumathi, "A Random Steganographic Technique using Discrete Wavelet Transform", International Journal of Applied Research on Information Technology and Computing" , IJARITAC Vol. 9, No. 2, May-August 2018, Print ISSN :0975-8070 Online ISSN :0975-8089, ISI Impact Factor :1.88.

G.Umamaheswari, C.P.Sumathi, "Optimized Information Hiding Using Discrete Wavelet Transform and Genetic Algorithm", UGC Listed Journal No.63193, International Journal of Computer Sciences and Engineering, IJCSE, EISSN 2347-2693, Vol. 6, Issue 8, pp. 930-938, Aug. 2018, Impact Factor:3.022.

M. R. Sudha and Dr.C. P. Sumathi "Towards the Future Generation of Mobile Cloud Computing," Journal of Computational and Theoretical Nanoscience, Vol. 15, Issue 9/10, pp 2872-2879, ISSN: 1546-1955, Sep 2018. IF: 0.45

2017

B.M.Gayathri, C.P.Sumathi, "Artificial Neural Networks for detecting breast cancer using Fine Needle Aspiration", "International journal of Computer science and Information Technology", Vol.15, No.5, May 2017

B.M.Gayathri, C.P.Sumathi, "A combined approach of Naïve Bayes Classifier and Relevance Vector Machine for Breast cancer diagnosis", "International Journal of Computational Intelligence and Informatics", Vol 7, No. 1, pp 1-9, June 2017

G.Umamaheswari, C.P.Sumathi, "A New Steganographic Technique Matching the Secret Message and Cover image Binary Value", International Journal of Computer Science and Information Security (IJCSIS), Vol.15 No. 1, pp. 321-326, 2017, ISSN 1947 5500.JIF 0.702 WEB OF SCIENCE

Shoba Dyre and C.P. Sumathi, "Reliable Orientation Field Estimation of Fingerprint based on Adaptive Neighborhood analysis", ICTACT Journal on Image and Video Processing, Vol. 07, pp. 1456-1462, February 2017. JIF 0.786

Shoba Dyre and C.P. Sumathi, ``Fingerprint Classification based on Novel Directional Features using Neural Network", International Journal of Computer Engineering and Applications, Vol. 11(10), pp.1-13, October 2017. UGC 44835,IF 5.859

2016

B.M.Gayathri, C.P.Sumathi, " An Automated technique using Gaussian Naïve Bayes classifier to classify breast cancer"," International Journal of Computer Applications". Vol.148, No.6, August 2016

Dyre S., Sumathi C.P. (2017) Enhanced Gray Scale Skeletonization of Fingerprint Ridges Using Parallel Algorithm. In: Recent Trends in Image Processing and Pattern Recognition. RTIP2R 2016. Communications in Computer and Information Science, Vol 709. pp. 440-449, Springer

Shoba Dyre and C.P. Sumathi, "A Survey on Various Approaches to Fingerprint Matching For Personal Verification And Identification", 18 International Journal of Computer Science and Engineering Survey (IJCSES), Vol.7, No.4, pp. 1-7, 2016.

M.Mahadevi and C.P.Sumathi," Classifying facial expressions using DWT, Moments and Genetic Algorithm", International Journal of Computer Science and Information Security", International Journal of Computer Science and Information Security (IJCSIS), Vol. 14, No. 4, April 2016, JIF 0.702, WEBOF SCIENCE

M.Mahadevi and C.P.Sumathi," Facial Expression Recognition for Color Images Using Genetic Algorithm", International Journal of Computational Intelligence and Informatics, Vol. 5: No. 4, March 2016

2015

B.M.Gayathri, C.P.Sumathi, "Breast cancer detection using Relevance Vector Machine", "International Journal of Engineering Research and Applications".Vol.10,No.17,Sep.2015.

Shoba Dyre and C.P. Sumathi, "Hybrid approach to enhancing fingerprint images using filters in the frequency domain", In IEEE Xplore, DOI: 10.1109/ICCIC.2014.7238306, 07 September 2015

M.Mahadevi and C.P.Sumathi,"Comparative analysis of skin color model for face detection", In IEEE Xplore,DOI: 10.1109/ISBAST.2014.7013088, 19 January 2015

M.Mahadevi and C.P.Sumathi,"Face Localization based on Skin Color", International Journal of Computer Applications (0975 – 8887) Volume 109 – No. 12, January 2015 IF 0.704

M.Mahadevi and C.P.Sumathi , "Face Detection based on Skin Color model and connected component with template matching", IEEE Xplore, DOI: 10.1109/ICICES.2014.7033802, 09 February 2015.

2014

C.P Sumathi, .Gayathri Devi, "Automatic Text Extraction From Complex Colored Images Using Gamma Correction Method", Journal Of Computer Science, Volume 10, Issue 4, pp. 705-715, ISSN 1549-3636,2014.

G.Gayathri Devi, C.P.Sumathi, "Positional Connected component Labeling Algorithm", Indian Journal of Science and Technology, Vol 7(3), pp.306–311, March 2014, ISSN 0974-6846.

G.Gayathri Devi and C.P.Sumathi, 2014. Separation of Text Components from Complex Colored Images. Research Journal of Applied Sciences, Engineering and Technology, 8(4):pp. 556-564.

2013

N.Sumathi, C.P.Sumathi, 2013, "Backoff Schemes for Mobile Adhoc Networks – A Survey", Journal of Wireless Networking and Communication", Vol.3(1), pp 1-5.

N.Sumathi, C.P.Sumathi, 2013, "Energy and Bandwidth Constrained QoS Enabled Routing for MANETs", International Journal of Computer Networks and Communications", Vol.5(2), pp 37--47.

G.Maria Priscilla, C.P.Sumathi, 2013, "Managing Queue Stability Using ART2 in Active Queue Management for Congestion Control", ARPN Journal of Engineering and Applied Sciences", Vol8(8), pp 663-667.

B.M.Gayathri,,C.P.Sumathi,,"Breast Cancer Diagnosis Using Machine Learning Algorithms –A Survey", International Journal of Distributed and Parallel Systems (IJDPS) Vol.4(3), May 2013.

C.P.Sumathi, T.Santhanam.G.Uma Maheswari,"A Study of Various Steganographic Techniques Used for Information Hiding", International Journal of Computer Science & Engineering Survey (IJCSES), Vol4(6), 2013,pp. 09 – 25

2012

C.P.Sumathi, T.Santhanam, N. Priya, 2012, "Techniques And Challenges Of Automatic Text Extraction In Complex Images: A Survey " International Journal of Theoretical and Applied Information Technology (E-ISSN 1817-3195 / ISSN 1992-8645), Vol.35(2), pp. 225- 235.

C.P.Sumathi, T. Santhanam, N. Priya, 2012, "A Combined Approach for Text Localization and Extraction from Assorted Images", European Journal of Scientific Research, Vol.68(2), pp. 246-253.

C.P.Sumathi, V.Meenakshi, T. Santhanam,2012, "Dialogue Control Technique based on Confidence Confirmation Algorithm in Automatic Speech Recognition System", accepted for publication ," International Journal of Theoretical and Applied Information Technology (E-ISSN 1817-3195 / ISSN 1992-8645)

C.P.Sumathi, V.Meenakshi, T. Santhanam,2012, " Incorporating Fuzzy Information for the Evaluation of Confidence Measure in Detection of Putative errors and OOV Words In ASR System", ", accepted for publication , " International Journal of Theoretical and Applied Information Technology (E-ISSN 1817-3195 / ISSN 1992-8645)

C.P.Sumathi, T.Santhanam. G.Gayathri Devi, 2012, "A Survey on Various Approaches of Text Extraction in Images", International journal of Computer Science & Engineering Survey (IJCSES), Vol. 3(4), pp- 27 – 42.

C.P.Sumathi, S.Karpagavalli, 2012, "Techniques and Methodologies for Recognition of Tamil Typewritten and Handwritten Characters – A Survey", International journal of Computer Science & Engineering Survey (IJCSES), Vol. 3(6), pp. 23 – 35.

C.P.Sumathi, T.Santhanam. M.Mahadevi, 2012, "Automatic Facial Expression Analysis – A Survey", International journal of Computer Science & Engineering Survey (IJCSES), Vol. 3(6), pp- 47 – 59.

G.Maria Priscilla, C.P.Sumathi, 2012, "An Intelligent Active Queue Management Technique for Congestion Control", International Journal of Computer Applications,Vol.41(16), pp. 25 -28.

R.Radha, C.P.Sumathi, 2012, "A Novel Approach to Extract Text from License Plate of Vehicles", Signal & Image Processing An International (SIPIJ), Vol.3(4), pp. 181 – 192.

2011

Santhanam T, Meenakshisundaram K, Saroja M and Sumathi C P , 2011, "Performance Comparison of random number generation techniques to minimize the redundancy of retrieval of database records", Journal of Theoretical and Applied Information Technology, Publication of Little Lion Scientific Research and Development, Pakistan, Vol.29(1), ISSN1992-8645, pp 47-54.

C.P.Sumathi, R. Padmajavalli., T. Santhanam, 2011, "Evaluation of Recommended Web Pages Obtained using a Novel Approach", European Journal of Scientific Research, Vol.65(2), pp. 293 - 303 (Impact Factor 0.047)

C.P.Sumathi, R. Padmajavalli , T. Santhanam, 2011, "An Overview Of Preprocessing Of Web Log Files For Web Usage Mining ", International Journal of Theoretical and Applied Information Technology (E-ISSN 1817-3195 / ISSN 1992-8645), Vol.34(1), pp. 88-95.

2010

T.Santhanam, M.Nachamai, M.Muthuraman and C.P.sumathi, "A New Fangled Insinuation for Stress Affect Speech Classification", International Journal of Computer Applications, 1(1):19–28, February 2010. Published By Foundation of Computer Science. (Impact Factor 0.835)

Meenakshisundaram K, Santhanam T, Saroja M and Sumathi C P , 2010, "A Performance Analysis of Modified Mid-Square and Mid- Product Techniques to Minimize the Redundancy for Retrieval of Database Records", Journal of Computer Science, Science Publications, USA, Vol.6(4), ISSN 1549-3636, pp.386-391

Meenakshisundaram K, Santhanam T, Saroja M and Sumathi C P , 2010, "A Performance Analysis of Modified Mid-Product and Constant Multiplier Techniques to Minimize the Redundancy for Retrieval of Database Records", European Journal of Scientific Research, Euro Journals Publishing, UK, Vol.42(4), ISSN:1450-216X, pp.653-661. (Impact Factor 0.047)

C.P.Sumathi., R. Padmajavalli., T. Santhanam., 2010, "An application of session based clustering to analyze web pages of user interest from web log files" , Journal of Computer Science, Science Publications, USA, Vol.6(7), ISSN 1549-3636, pp. 785-793

C.P.Sumathi, R. Padmajavalli., T. Santhanam, 2010, "Automatic recommendation of web pages in web usage mining " , International Journal of Computer Science and Engineering, Science, Engg Publishers, Vol.2(9), ISSN 2229-5631, pp. 3046-3052

2007

Fingerprint minutiae filtering using ARTMAP, T.Santhanam, C.P.Sumathi and K.S.Easwarakumar, International Journal of Neural Computing and Applications, Vol. 16(1), pp. 49 –55, 2007.(Impact Factor 0.563)

T.Santhanam, C.P.Sumathi and K.S.Easwarakumar, Fingerprint minutiae filtering using ARTMAP, International Journal of Neural Computing and Applications, 2007, Vol-1(16), pp.49 – 55, ISSN/ISBN.No.1433-3058, indexed by scopus

A.Punitha, C.P.Sumathi and T.Santhanam, A Combination of Genetic Algorithm and ART Neural Network for Breast Cancer Diagnosis, Asian Journal of Information Technology, 2007, Vol-6(1), pp.112-117, ISSN/ISBN.No.1993-5994, indexed by scopus

T.Santhanam, Nachamai.M, Muthuraman.M and C.P.Sumathi, Stressed/Neutral speech Classification using Gaussian Support Vector Machine, International Journal of soft computing, 2007, Vol-2(2), pp.335–338, ISSN/ISBN.No.18169503, indexed by scopus.

2004

C.P.Sumathi, T.Santhanam and K.S.Easwarakumar, Fingerprint Matching using ARTMAP, International Journal of Uncertainty fuzziness and Knowledge-Based Systems, 2004, Vol-1(12), pp.15–30, ISSN/ISBN.No.1793-6411, indexed by scopus impact factor 0.39

International / National Conferences

2019

M. R. Sudha and C. P. Sumathi, A.Saravanakumar ," An Optimal Energy Consumption Based Resource Management in Mobile Cloud Computing International Conference on Artificial Intelligence and Evolutionary Computations in Engineering System (ICAIECES'19) held at SRM Institute of Science and Technology , Kattankulathur, Chennai on April 11-13,2019

M.S Padmavathi and C.P Sumathi, "A Novel approach using Support Vector Machine for outlier removal amd Multilayer Perceptron in Classifying Medical Datasets", 2nd International Conference on Soft Computing and Signal Processing (ICSCSP – 2019), June 2019

2018

M. R. Sudha, C. P. Sumathi, "Resource Allocation and Energy Consumption of Mobile Cloud Computing," International Conference on Computing Sciences (IGCS 2018) held at Loyola College, ISBN: 978-81-910217-0-9, Chennai on Nov 16-17, 2018.

B.M. Gayathri, C.P.Sumathi, "Feature selection using Linear Discriminant Analysis for breast cancer dataset", International Conference on Computational Intelligence and Computing Research, Madurai, India ISBN:978-1- 5386-1507-2, Dec. 2018.

2017

Hemalatha, G., Sumathi, C.P.,"Facial image detection with multiple filters and neural network for classification IEEE International Conference on Power, Control, Signals and Instrumentation Engineering, ICPCSI 2017, 2018, pp. 1414–1418

G.Umamaheswari, C.P.Sumathi, "Effect of data hiding using the new PVD approach in various file formats – A comparative study", 2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering(ICPCSI), Saveetha Engineering College, Chennai 978-15-3860-8159

2016

Hemalatha, G., Sumathi, C.P., "Preprocessing techniques of facial image with Median and Gabor filters", International Conference on Information Communication and Embedded Systems, ICICES 2016, 2016, 7518860

2015

C.Hymavathy, V.R.Krishnamani, C.P.Sumathi,"EDM – Finding answers to reduce dropout rates in schools", International Conference on Computing and Intelligent Systems at DG Vaishnav College, 1257- 1261, 14-15 March 2015

2014

G.Gayathri Devi, C.P.Sumathi ,"Text Extraction From Assorted Images Using Morphological -Region, Texture And Multiscale Techniques-A Comparative Study",International Conference On Information Communication And Embedded Systems ICICES 2014 , Feb 27-28 2014, Chennai.

C.P.Sumathi, M.Mahadevi,,"Face Detection Based On Skin Color Model And Connected Component With Template Matching", International Conference On Information Communication And Embedded Systems ICICES 2014 , Feb 27-28 2014 Chennai.

Shoba Dyre, C.P.Sumathi, "Hybrid approach to Enhancing Fingerprint Images using filters in the frequency domain", IEEE International Conference on Computational Intelligence and Computing Research, 2014,Coimbatore.

C.P.Sumathi, M.Mahadevi, "Comparative analysis of Skin color model for face detection", International Symposium on Biometrics and Security Technologies 2014, 26-27 August 2014, Kuala Lumpur, Malaysia.

C.Hymavathy,V.R.Krishnamani,C.P.Sumathi, "Analysing learner engagement to enhance the teaching-learning experience", 2nd IEEE International Conference on MOOCs, Innovation and Technology in Education - 19-20 Dec, 2014.

2013

C.P.Sumathi, N.Priya," Text extraction from assorted images using morphological-region, texture and multiscale techniques - A comparative study ", International Conference On Information Communication And Embedded Systems ICICES 2013 , Feb 21-22, Chennai.

2010

T.Santhanam, M.Nachamai, M.Muthuraman and C.P.sumathi, "ANew Fangled Insinuation for Stress Affect Speech Classification", Proceedings of the International Conference on Futuristic Computer Applications (IJFCA), at IISC Bangalore, March 2010

C.P.Sumathi, T.Santhanam and R.Padmajavalli, "A Survey on Clustering Algorithms Applied in Web Usage Minig", Proceedings of the International Conference on Mathematics and Computer Science, Loyola college, Chennai, India, pp. 240-244,Feb. 2010

C.P.Sumathi, G.Gayathri Devi, S.Karpagavalli, N.Priya, "English-letter Character recognition using Back Propagation Neural Network", Proceedings of the International Conference on Mathematics and Computer Science, Loyola college, Chennai, India, pp 311- 313,Feb.2010

T.Santhanam, M.Nachamai, C.P.Sumathi, "A Novel Approach to Emotion Recognition in Children Speech Using RBF Neural Network", ", Proceedings of the International Conference on Mathematics and Computer Science, Loyola college, Chennai, India, pp. 530- 534,Feb.2010

2009

Meenakshisundaram K, Santhanam T, Saroja M, and Sumathi C P, Jan 8-10, 2009, "Minimizing redundancy in the retrieval of records from question bank using mid-product method", Proceedings of the International Conference on Emerging Trends in Computing, Kamarajar College of Engineering and Technology, Virudhunagar, India, pp. 69-72.

Meenakshisundaram K, Santhanam T, Saroja M, Sumathi C P, Nov 4- 6, 2009, "Minimizing Redundancy in the retrieval of records from question bank using Constant Multiplier method", Proceedings of the UGC Sponsored International Conference on Semantic E-Business and Enterprice Computing, Bishop Heber

College, Trichy, India jointly organized with Kingston University, London, ISBN:978-81-07337-0-0, pp.92-95

2008

Santhanam T, Meenakshisundaram K, Saroja M, and Sumathi C P, Jul 25- 26, 2008, "Minimizing Redundancy in the retrieval of records from question bank using Mid-square method", Proceedings of the International Conference on Mathematics and Computer Science, Loyola college, Chennai, India, Vol. III, pp.137-142

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