

**Dr.Latha Parthiban, B.E.,M.E.,M.S.,Ph.D.,**

Assistant Professor, Department of Computer Science  
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h-index: 10

**Brief Profile**

- \*26 years of teaching (UG/ PG) in engineering colleges in Chennai including 8 year at Pondicherry University community college
- \*Published 109 peer reviewed Scopus indexed/SCI journals
- \*Guided 18 Scholars towards completion of PhD
- \*Got best paper award in IEEE conference IAMA 2009 and NCASG 2013
- \*Editor in chief of International Journal of Human Machine Interface of Artificial Intelligence Association of India
- \*Member of 5 professional societies like IEEE, CSI, IACSIT, IAE, ISTE
- \* Has reviewed sponsored project proposal for Czech science foundation, one of the leading scientific organizations in the world
- \* Reviewed papers for many international journals including IEEE, Elsevier, Springer link etc.
- \*Completed 3 research projects sponsored by CSI, NVDIA and MHRD
- \* Completed a PDF and has filed for a patent
- \*Presented over 60 papers in conferences and has given over 50 invited talks

**2.Academic Qualifications**

Exam	Name of the Board/University	Year of Passing	% of marks	Division/ Class	Subject
X Std	Matriculation	1988	82.18	I Class with Distinction	Mathematics, Social Sciences
XII Std	Tamilnadu State Board	1990	86.5	I Class with Distinction	Mathematics, Physics, Chemistry and Biology
B.E	Madras University	1994	65.5	I Class	Electronics and Communication Engg
M.S	BITS, Pilani	1997	CGPA 7.15	I Class	Software Systems
M.E	Anna University	2008	75.75	I Class with Distinction	Computer Science and Engineering
Ph.D	Pondicherry University	2010	NA	NA	Computer Science and Engineering

### 3. Experience

Designation	Name of Employer	Date of joining	
		Joining	Leaving
Assistant Professor	Pondicherry University Community College	18.01.2012	-
Professor	SSN College of Engineering	24.12.2009	17.01.2012
Assistant Professor	Aarupadai Veedu Institute of Technology	03.11.2008	23.12.2009
Assistant Professor	Dr.M.G.R. Educational and Research Institute	30.06.2006	03.11.2008
Senior Lecturer	Easwari Engineering College	01.12.1999	30.06.2006
Senior Lecturer	Amrita Institute of Computer Technology	10.01.1999	30.11.1999
Lecturer	Velammal Engineering College	02.09.1998	09.01.1999
Lecturer	SRM Easwari Engineering College for women	01.08.1997	01.09.1998

### 4. Publications

Sl.No	Title of the book	Author	Co-Author(s)	Name of the Publisher / Month/ Year	ISBN / ISSN
1	Computational Intelligence in Computer Aided Medical Diagnosis	Latha Parthiban	--	LAP Lambert Academic Publishing 2011	ISBN 978-3-8433-7144-5.
2	Fuzzy C-Means Clustering for Clinical Knowledge Discovery in Databases	Latha Parthiban	--	VDM Verlag Dr. Müller e.K. March 2011	ISBN 978-3-639-34143-0
3	Fusion of Medical Images with Wavelet Transform	Latha Parthiban	--	LAP Lambert Academic Publishing	ISBN 978-3-8433-9518-2
4	Face Recognition with SVM Classifier	Latha Parthiban	--	VDM Verlag Dr. Müller e.K. June 2011	ISBN 978-3-639-36699-0
5	Exact Pattern Matching in Computational Biology	Latha Parthiban	--	VDM Verlag Dr. Müller e.K. March 2011	ISBN 978-3-639-36064-6
6	Elliptic curve cryptography for Digital Signature Authentication	Latha Parthiban	--	LAP Lambert Academic Publishing 2013	ISBN 978-3-659-26395-8

## 5. Research Papers in Journals

Sl. No	Title of the Research Paper	Name of the Journal	Vol., PP No. & Year
1	CANFIS- A computer aided diagnostic tool for cancer detection	Journal of Biomedical Science and Engineering	2009, Vol. 2, pp. 323-335.
2	CANFIS modeling in anaerobic digestion of wastewater treatment	Journal of Institution of Engineers	2011, Vol. 92, pp.3-7
3	Using modified stern series for DSA in ECC	ICTACT Journal on Commn Technology	2011, Vol. 2, No.4, pp.452-456
4	Multilayer perceptron modeling for UASB Reactor treating tannery effluent	Int. Journal of Environmental Sciences,	2012, Vol. 2, No 3, pp.1504-1510
5	Backpropagation Neural Network Modeling approach in the anaerobic digestion of wastewater treatment	Int. Journal of Environmental Sciences	2012, Vol. 2, No 4, pp.1944 - 1951
6	Automatic Discovery of Relevant Web Services with Semantic Ranking	Research Journal of Applied Sciences, Engineering and Technology	8(22): 2240-2247, 2014
7	ROI detection and segmentation of Medical Images using Optimized Thresholding and Clustering	Int Journal of Pharma and bio sciences	2013 July; 4(3): (B) 1235 - 1245
8	Dimensionality Reduction of High Dimensional Data Using Fractional Cuckoo Search Algorithm to Improve Clustering Process	European journal of scientific research	Vol 103, Issue 2, pp.239-255
9	FCM-FCS: Hydridization of FCM with FCS for high dimensional data clustering	Int Journal of Computer Science & Engineering Technology	Vol 8, No 11, pp.2576-2585, 2013,
10	Efficient Hybridized Fuzzy Clustering with FCM-IQPSO for Biomedical Datasets	Annual Research & Review in Biology,	4(17),pp.2684-2694,2014
11	Performance Analysis of Denoising in MR Images with Double Density Dual Tree Complex Wavelets, Curvelets and Non-subsampled Contourlet Transforms	Annual Research & Review in Biology	4(9): pp.2938-2956,2014
12	A novel nature inspired fuzzy Tsallis entropy segmentation of MRI	Neuro Quantology,	Vol. 12, Issue 2, pp. 221-229, June 2014

13	Two-phase Anaerobic Digestion Model of a Solid Waste Tannery: Experimental investigation and modeling with ANFIS	Arabian Journal for Science and Engg,	40(2), pp 279-288
14	Biosorption Modeling with Multilayer Perceptron for Removal of Lead and Zinc Ions Using Crab Shell Particles	Arabian Journal for Science and Engineering	39(12), pp 8465-8475
15	A Novel Optimized Adaptive Learning Approach of RBF on Biomedical Data Sets	Research Journal of Applied Sciences, Engg and Tech	8(4): 541-547, 2014
16	Medical image segmentation with fuzzy C-means and kernelized fuzzy c-means hybridized on PSO and Fuzzy PSO	Int Arab journal of Information Technology,	15(3), 2017
17	Retrieving relevant data in the warehouse on cloud environment through MAS	Int Journal of Applied Engg Research	Vol 10 No.20 2015. pp.17512-17517
18	Optimal Video Search in E-Learning	Int Journal of Applied Engg Research	Vol. 10 No.60 pp.299-305, 2015
19	Using Machine Learning Algorithms and MapReduce based approach for Motif Structure Prediction	Int Journal of Applied Engg Research	Vol. 10 No.60 pp.290-293, 2015
20	An improved approach in shadow detection and reconstruction in VHRS images,	Indian journal of science and technology	vol 8 (15), pp1-8, 2015,
21	RFR Algorithm using secure root creation for adhoc networks,	Australian Journal of basic and applied sciences,	9(21) pp. 43-46 Special 2015
22	Multi objective fractional cuckoo search for data clustering and its application to medical field	Journal of medical image and health informatics	Journal of medical image and health informatics
23	A Secure authentication and authorization scheme for online banking system in cloud,	Int Journal of Applied Engg Research	Vol. 10 No.76 pp.484-490 (2015)
24	High Dimensional Data Clustering Techniques And Challenges	Int Journal of Applied Engg Research	Vol. 10 No.63 pp.260-266 (2015)

25	Trusted Framework for Online Banking in Public Cloud using Multi-factor Fingerprint biometric Authentication and Privacy Protection Gateway	Journal of Cloud Computing:Advances, Systems and Applications	Vol 4, No 22 pp-01-23
26	An energy efficient data centre selection framework for virtualized cloud computing environment	Indian journal of science and technology	Vol-8, No-35, 2015 pp.1-6
27	SecAuthn: provably secure multifactor authentication for cloud computing systems	Indian journal of science and technology	Vol 9, (9), pp. 1- 18, 2016
28	Design of distributed model predictive control using particle swarm optimization for alkylation process	Journal of Chemical and Pharmaceutical Sciences	Vol 9, No 4, (2016) pp.1-5
29	Multimodal biometric based authentication for ensuring data security in Cloud Computing	Journal of Chemical and Pharmaceutical Sciences,	Vol 9, No 4, (2016) pp.1-5
30	Diagnosis of Abnormality in Ultrasound Kidney Images using Spectral Components	Journal of Chemical and Pharmaceutical Sciences	Vol 9, No 4, (2016)pp.1-4
31	Data mining techniques for finding serious Adverse Events	Journal of Chemical and Pharmaceutical Sciences	Vol 9, No 4, (2016) pp.1-5
32	Evaluation and Personalization of Noise Reduction Algorithms in Digital Hearing Aids	Journal of Chemical and Pharmaceutical Sciences,	Vol 9, No 4, (2016) pp.1-7
33	Secure Data Storage in Cloud Environment using MAS	Journal of Science and Technology, Vol 9(23),	v9i23/95280, June 2016 pp.1-8
34	Semantic framework for ontology based information modelling	Journal of Chemical and Pharmaceutical Sciences,	Vol 9, No 4, (2016) pp.2198-2204
35	A novel approach for e-learning Using qpso algorithm	I J C T A	9(28) 2016, pp. 79-86
36	Energy Efficient Traffic Protocol in Wireless Sensor Networks Using Improved Metaheuristic Algorithm	I J C T A © International Science Press	10(29),2017 0974-5572
37	Efficient Authentication System using QPSO and PCA for E-learning	International Journal of Control Theory and Applications	Volume 9 • Number 40 • 2016

38	Self-Configurable Semantic Service Architecture for Multimedia Service Composition	Advances in natural and applied sciences	10(9): pages 456-466
39	Abnormality detection using weighed particle swarm optimization and smooth support vector machine	Biomedical Research	2017; 28 (10):
40	ANN based Predictive Control for CSTR,	Intl Journal of Applied Engineering Research,	Vol. 10 No.60 pp.240-243, 2015
41	Improved Energy Efficient Multi-Hop WSN Using Novel Routing Mechanism with Hull Convex Function	Jour of Adv Research in Dynamical & Control Systems,	Vol. 9, No. 6, 2017
42	A novel privacy preserving visual cryptography based scheme for telemedicine applications.	Biomedical Research	2017; 28 (16): 1- 3
43	Investigation of drug induced adverse effects and Disproportionality Analysis of Acetaminophen and Ibuprofen	International Journal of Pure and Applied Mathematics	Volume 118 No. 7 2018, 667-674
44	Effectively Suppress the Attack of Sinkhole in Wireless Sensor Network using Enhanced Particle Swarm Optimization Technique	International Journal of Pure and Applied Mathematics	Volume 118 No. 9 2018, 313-329
45	A survey on Energy Efficient Routing Protocols	International Journal of Pure and Applied Mathematics	Volume 118 No. 18 2018, 3109-3113
46	Identifying the Safety Profile of Amiodarone and Dronedarone using Openvigil	International Journal of Pure and Applied Mathematics	Volume 118 No. 18 2018, 2779-2784
47	Enhanced Annotation of Educational Video Resources for E-Learning	IJET	(3.24) (2018) 69-72
48	Bayesian Network with CSA to optimize the selection of QoS- aware Web service	International Journal on Computer Science and Engineering (IJCSE)	Vol. 10 No.2 Feb 2018 pp 44-54
49	A survey on cache route schemes to improve qos in ad-hoc networks	Pak. J. Biotechnol.	Vol. 14 (Special Issue II) Pp. 265-269 (2017)

50	Towards an Effective QoS Prediction of Web Services using Context-Aware Dynamic Bayesian Network Model	Technical Gazette 25, Suppl. 2(2018), 241-248	<a href="https://doi.org/10.17559/TV-20161104072515">https://doi.org/10.17559/TV-20161104072515</a> Original scientific paper
51	Fuzzy based QoS prediction using bayesian network in cloud computing environment	IJET	7 (1.5) (2018) 170-175
52	UNCOMPROMISED QUERY SERVICES WITH OPTIMAL PRIVACY PRESERVATION SCHEME FOR ANALYSING BIG DATA	IJPAM	Volume 119 No. 16 2018, 1989-1999
53	Effective Pharmacovigilance using Natural Language Processing and Neural Network	IJPAM	119 No. 15 2018, 1825-1831
54	USE OF OMRA ALGORITHM FOR ENERGY EFFICIENT ROUTING	IJPAM	Volume 119 No. 15 2018, 1857-1862
55	Cancer Prediction with Gene Expression Data	International Journal of Recent Technology and Engineering (IJRTE)	Volume-8 Issue-2S4, July 2019
56	Motif Structure Prediction in Distributed Framework using Machine Learning Algorithms	International Journal of Recent Technology and Engineering (IJRTE)	Volume-7, Issue-5S4,
57	Cloud Data Integrity Auditing Over Dynamic Data for Multiple Users	Intelligent Engineering and systems	Vol.10, No.5, 2017
58	Secured data storage and auditing of data integrity over dynamic data in cloud	Int. J. Internet Technology and Secured Transactions	8(4),2018
59	Privacy and security issues in cloud computing using idyllic approach	Int. J. Networking and Virtual Organisations, Vol. 21, No. 1, 2019	Vol. 21, No. 1, 2019
60	Scalable Anomaly Detection for Large-Scale Heterogeneous Data in Cloud Using Optimal Elliptic Curve Cryptography and Gaussian Kernel Fuzzy C-Means Clustering $\alpha$	Journal of Circuits, Systems, and Computers	Vol. 29, No. 5 (2020) 2050074 (38 pages)

61	EFFICIENT WIRELESS SENSOR NETWORK WITH ENHANCED-OMRA ROUTING ALGORITHM WITH LOW OFDM PAPR	International Journal of Civil Engineering and Technology (IJCIET)	Volume 9, Issue 9, September 2018, pp. 1017–1026
62	MECHANISM FOR ENERGY CONSUMPTION ROUTING PROTOCOLS FOR WSN USING RSES	International Journal of Mechanical Engineering and Technology (IJMET)	Volume 9, Issue 8, August 2018, pp. 678–685
63	Comparative Study of Routing Techniques in Wireless Sensor Network	IJET	7 (3.34) (2018) 940-943
64	Opinion Mining on Amazon Product Data using Dictionary Approach	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878, Volume-7, Issue-5S4, February 2019
65	Opinion Mining of Product Features with Customer	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878, Volume-7, Issue-5S4, February 2019
66	OPINION MINING OF AMAZON PRODUCT DATA BY HYBRID SVM	Jour of Adv Research in Dynamical & Control Systems,	Vol. 10, 13-Special Issue, 2018
67	An Experimental Analysis on Opinion Mining Feature Identification for Product Analysis	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN: 2278-3075, Volume-8 Issue-8S3, June 2019
68	Effective ways of finding Adverse Drug Reactions in Pharmacovigilance	International Journal of Recent Technology and Engineering (IJRTE)	iSSN: 2277-3878, Volume-8 Issue-2S4, July 2019
69	IMPROVED FREQUENT ITEM-SETS MINING IN PHARMACOVIGILANCE	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878, Volume-8 Issue-2S4, July 2019
70	Enhanced DNA Cryptographic Solution for Secured Data Transmission	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN: 2278-3075, Volume-8 Issue-9, July 2019
71	Dictionary Based Approach to Detect Cross Language Clones of C and Java Language	J. Comput. Theor. Nanosci	5, 3334–3340 (2018)
72	A Novel Feature Extraction Approach Using Principal Component Analysis and Quantum behaved Particle Swarm Optimization-Support	J. Comput. Theor. Nanosci	15, 3012–3016 (2018)



	Vector Networks for Enhancing Face Recognition		
73	Artificial bee colony based sinkhole detection in wireless sensor networks	Journal of Ambient Intelligence and Humanized Computing	<a href="https://doi.org/10.1007/s12652-019-01404-0">https://doi.org/10.1007/s12652-019-01404-0</a>
74	A survey on attacks and security goals in WSN	IJPAM	Volume 119 No. 14 2018, 1641-1646
75	A Novel Texture Extraction Technique with T1 Weighted MRI for the Classification of Alzheimer's Disease	Journal of Neuroscience Methods	Volume 318, 15 April 2019, Pages 84-99
76	Data Security prudent E-Voting using Homomorphic Encryption	IJPAM	Volume 119 No. 16 2018, 4251-4258
77	An efficient voting based method to detect sink hole in wireless acoustic sensor networks	International Journal of Speech Technology	volume 23, pages343–354(2020)
78	An optimal deep neural network model for lymph disease identification and classification	International Journal of Scientific and Technology Research	VOLUME 9, ISSUE 04, APRIL 2020 ISSN 2277-8616
79	Acoustic feedback cancellation in efficient hearing aids using genetic algorithm	Scalable Computing	Volume 21, Issue 1, pp. 115–125, DOI 10.12694:/scpe.v21i1.1630
80	Biclustor method to predict gene patterns to classify differential gene expressions in non-small cell lung cancer	International Journal of Innovative Technology and Exploring Engineering	Volume-9 Issue-1, November 2019
81	Performance assessment of content based image retrieval system using particle swarm optimization algorithm and differential evolution	International Journal of Recent Technology and Engineering	Volume-8 Issue-3, September 2019
82	Development of Cross Language Clone Detector for C, C++ & Java Repositories using Natural Language Processing	International Journal of Engineering and Advanced Technology	ISSN: 2249 – 8958, Volume-9 Issue-2, December, 2019
83	Synote Usage on E-learning Search	International Journal of Engineering and Advanced Technology	Volume-9 Issue-2, December, 2019

84	Secure document sharing in elearning using visual cryptography	International journal of Phsycosocial rehabilitation	Vol 24, Issue 2,2020
85	Privacy Preserving Data Mining for Pharmacovigilance	IJEAT	Volume-9 Issue-1S, October ISSN: 2249 – 8958, Volume-9 Issue-1S, October 2019
86	Adaptive E-Learning Using Soft Computing Techniques	Journal of Computational and Theoretical Nanoscience	Vol. 17, 1–3, 2020
87	Impact of green computing in hazardous device manufacturing and maximize energy efficiency	Intl. Journal of emerging technology and research	Vol 1, Issue 1, Nov-Dec, 2013,pp.44-56
88	Estimation of SNR based Adaptive-Feedback Equalizers for Feedback Control in Hearing Aids	MITTEILUNGEN KLOSTERNEUBURG	69(2019) 12
89	Enhancing Security in E-Learning using Visual Cryptography based on Multiple Non Periodic Stegano Tiling with Lossless Recovery	MITTEILUNGEN KLOSTERNEUBURG	69(2019) 12
90	Efficient Sharing of Health Records with CP-ABE and Bloom Filter	MITTEILUNGEN KLOSTERNEUBURG	69(2019) 12
91	Data Mining Algorithms for Pharmacovigilance,	International Journal of Engineering and Advanced Technology (IJEAT)	Volume-9 Issue-1S, October 2019
92	PERFORMANCE IMPROVEMENT OF DSR PROTOCOL BY CONTROLLING OVERHEAD IN MANET	International Journal of Mechanical Engineering and Technology	Volume 9, Issue 8, August 2018, pp. 686–690
93	Optimal feature selection with Hoeffding tree based data classification model for adverse drug reaction	Journal of International Pharmaceutical Research	46(1): 704-713
94	An Experimental Analysis on Opinion Mining Feature Identification for Product Analysis	IJITEE	Volume-8 Issue-8S3, June 2019
95		IJAER	ISSN 0973-4562 Vol. 10 No.44 (2015)

96	OPINION MINING ON PRODUCT DATA USING MODIFIED SVM	JARDCS	vol 11, no 3, pp.1829-1837
97	An effective approach of Shadow Detection & Reconstruction Technique in Remote Sensing images	Int Journal of Applied Engg Research	Vol. 10 No.60, pp.236-239, 2015
98	ANFIS modeling for Upflow Anaerobic Sludge Blanket reactor treating tannery effluent,	Int Journal of Applied Engg Research,	Vol. 10 No.63 pp.296-298 (2015)
99	An Improved Location based Routing Protocol for WSN Using Novel Location Proximity Algorithm	IJRTE	ISSN: 2277-3878, Volume-7, Issue-5S3, February 2019
100	Hybridized Algorithms for Medical Image Segmentation	Int Journal of Engg and Advanced Technology (IJEAT)	Vol-2, Issue-3, Feb 2013,305-307
101	PRN using RSA Algorithm for Secure Routed Creation and Data Transfer in MANETs	Int Journal of Engineering and Technology	Vol 6 No 2 ,2014,pp-974-81
102	An Implementation of Load Balancing Policy for Virtual Machines Associated with a Data Center	Int Journal of Computer Science & Engg Technology	Vol. 5 No. 03 Mar 2014, pp.253-261
103	A Versatile Exact Pattern Matching Algorithm for Biological Sequences	Caledonian Journal of Engineering	Vol. 5 No. 03 Mar 2014, pp.253-261
104	Analysis of adverse reaction associated with dietary drug Orlistat using data mining algorithms	International Journal of Pharma and Bio Sciences	8. 10.22376/ijpbs.2017.8.3.p74-80
105	Intelligent heart disease prediction system using CANFIS and Genetic algorithm	Int. Journal of Biomedical Sciences,	2008, Vol. 3, No.3, pp. 157-160.
106	A review of different techniques used for routing in WSN	Int. Journal of Adv. Intelligent Paradigms	Inderscience publications, 2020
107	Redundancy recognition in heavy weight structure with different parameters	Int. Journal of Adv. Intelligent Paradigms	Inderscience publications, 2020
108	-coverage m-connected node placement using shufed frog leaping: Nelder–Mead algorithm in WSN	Journal of Ambient Intelligence and Humanized Computing	d Computing <a href="https://doi.org/10.1007/s12652-020-02223-4">https://doi.org/10.1007/s12652-020-02223-4</a>

109	Clustering Protein Super Secondary Structure with Artificial Neural Network Based Self Organizing Map Machine Learning Approach Using In-Memory Computing Environment	Journal of Computational and Theoretical Nanoscience	Vol. 17, 1–3, 2020
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#### 6. Orientation/Refresher Courses Attended

Name of the Course / Summer School	Place	Duration	Sponsoring Agency
UGC Refresher Course on Computer Science	University of Madras	21 days	UGC
UGC – Orientation programme	University of Madras	28 days	UGC
UGC Refresher Course on Computer Science	University of Madras	21 days	UGC
UGC Refresher Course on Computer Science	Pondicherry University	21 days	UGC

#### 7. Details of papers presented in Seminars / Conferences, etc.,

Sl. No.	Title	Name of the Event	Organiser/ Institute	Duration
1	Speckle Noise Removal using Contourlets	Int. Conf. on Information and Automation 2006	Robotics & Automation society	Dec 2006
2	Medical Image Denoising using X-lets	Emerging Trends in ICT, IEEE INDICON 2006	IEEE India Council	15-17 sep 2006
3	MRI Image Denoising for Telemedicine pp. 188 - 191	IEEE Int. Conf. on E-Health Networking, Application and Services, pp.188-191, 2006	Sanjai Gandhi Institute of Medical sciences	17-19 Aug 2006
4	Contourlet based Salt and Pepper Noise Removal in Medical Images	Int. Conf. Trends in Intelligent Electronic Systems (TIES), pp.240-244, 2007	Sathyabama University	12-14 Nov 2007
5	An Intelligent agent for detection of erythematous diseases using coactive neuro-fuzzy inference system and genetic algorithm	Intelligent Agent and Multi-Agent Systems (IAMA 2009)	Aarupadai Veedu Institute of Technology	22-24 July 2009
6	A fuzzy based approach for prediction of	Intelligent Agent and Multi-Agent Systems (IAMA), pp.57-61, 2011	Rajalakshmi Engineering College	7-9 sep'11

	biological activities of HIV-1protease inhibitor compounds			
7	Hybrid QPSO K-medoids and PSO k-means clustering	IEEE Int. Conf. on Computational Intelligence and Computing Research (ICCIC),pp.960-963, 2011	Cape Institute of Technology	Dec 15-18,2011
8	Genetic based ACO with PSO for solving TSP	IEEE Int. Conf. on Computational Intelligence and Computing Research (ICCIC),pp.818-821, 2011	Cape Institute of Technology	Dec 15-18,2011
9	Minimum Spanning tree approach for gene expression analysis and to detect lesions in medical images	Int. Conf. Intelligent System and Data Processing (CISD) , pp.86-90, 2011	G.H. Patel College of Engg &Tech.	Jan 24,2011
10	Knapsack Based Elliptic Curve Cryptography Using Stern Series for Digital Signature Authentication	IEEE Int. Conf Emerging Trends in Electrical and Computer Technology (ICETECT),pp.1107-1110 , 2011	St. Xaviers Catholic College of Engg,	Mar-11
11	Regression model with ANN for anaerobic digestion of waste water treatment	Proceedings of the "Green Technology and Environmental Conservation"(GTEC2011) in association with (ISWA), (NSWAI), (TNPCB),.pp.532-535	Sathyabama University	17 Dec,2011
12	A hybrid approach for medical data clustering using SVM and weighted K-MEANS	Int. Conf. on. Innovations and Advancements in Information & Communication Technology,pp.69-77, pp.44-49, (ICIAICT)2012	Gautam Buddha University & CSI, Noida	March 30-31,2012
13	Enhancing Optical Network Security Through Efficient Routing and Equalized Wavelength Assignment	Int. Conf. on Computer Science and Information Technology , pp.214-219, (ICCSIT-2012)	Interscience Open AccessJournals	27-May-12
14	Expert system for Prediction of Protein Cellular Localization sites of yeast genome	Nat. Conf. on Architecture, Software Systems and Green Computing (NCASG 2012)	Aarupadai Veedu Institute of Technology	May 9,2012
15	Liver disorder classification using Coactive Neuro-Fuzzy Inference System	Nat. conf. on Architecture,software systems and Green Computing(NCASG2012 )pp.98-101	Aarupadai Veedu Institute of Technology	May 9,2012
16	Cloud Computing-A platform to host e-	Int. Conf. E-Governance and Cloud Computing	Dr.M.G.R University	17-18 Oct 2012

	governance Applications	Services 2012,pp.544-547.		
17	Medical Image Thresholding using WQPSO and Maximum Entropy	(ICACCI)-2012	R.M.K.Engineering College	Aug 3-5,2012
18	Clustering Analysis by Improved Particle Swarm Optimization and K- Means Algorithm	Sustainable Energy and Intelligent System Conference – 2	Vivekanandha College of Technology for women	27-29 Dec 2012
19	Ranking Algorithms for Web structure Mining- A Comparison	Nat. Conf. on Ethical Hacking	KumaraniMeenaMuthiahCollege of Arts and science	Feb-13
20	Image Segmentation using self organizing map	National conference on Emerging trends in Information Technologypp.1-4,2013.	Vidyasagar College of Arts and Science	March 2,2013
21	Noise Suppression of Magnetic Resonance Image using Genetic Algorithm	National Conference on Architecture, Software systems and Green computing-2013(NCASG2013)	AarupadaiVeedu Institute of Technology	May 3 2013
22	Fuzzified PSO and K-Harmonic means algorithm for electrical data clustering	International Conference on Recent Trends in Information Technology,pp.546-550, 2013	Anna university	July 25-27 2013
23	Multi-factor Authentication using Fingerprint Biometric for cloud-Banking	Nat. Conf. on Robust and resilient network-2013	Pondicherry Engineering college	21-Mar-13
24	Interactive image search and retrieval using ANN	Int. Conf. on Human Computer Interaction'13	Saveetha University	Aug. 23,2014
25	An Efficient Wavelet Based Algorithm For Detecting Characteristic Points Of ECG	Nat. Conf. on Innovations in ICT 2014, pp.94-98	ICTACT and Sankara University	Jan 23-24,2014
26	Improved mining of Outliers in Distributed Large data sets using parallel data mining	National Conference on Data mining and Knowledge Engineering(pp.11-16	SRM university	Feb 17-18,2014
27	Security mechanism for distributed data warehousing using multi agent systems	National Conference on Data mining and Knowledge Engineering, pp.28-34	SRM university	Feb 17-18,2014
28	Object Tracking with video files through spatiograms	National Conference on Data mining and Knowledge Engineering, pp.20-22	SRM university	Feb 17-18,2014

29	Educational video search in e-learning	National Conference on Data mining and Knowledge Engineering pp.46-49	SRM university	Feb 17-18,2014
30	High Dimensional Data Clustering Techniques And Challenges	Int.Conf. on computational systems in engg. & tech., pp.53-56	Sri Venkateswara College of Engineering	March 7 - 8,2014
31	Neuro-Fuzzy modelling for the anaerobic digestion of synthetic wastewater	Int Conf on Computational Systems in Engg and Tech, pp.137-139	Sri Venkateswara College of Engineering	March 7 - 8,2014
32	Cluster validity measurement technique	Nat. Conf. on innovating computing techiqes 2014, pp.174-179	MGR University	27th & 28th March 2014
33	Optimal solution on usage of video resources in E-learning	International Conference on Mathematical Sciences (ICMS-2014 )pp. 938-941	Sathyabama University	July 17-19 2014
34	Efficient Query Optimization Using Bitmap Filtering on Distributed Data warehouses	International Conference on Mathematical Sciences (ICMS-2014) pp. 156-162	Sathyabama University	July 17-19 2014
35	An adaptive neural network based on model prediction control using LM	International conference on Emerging trends in Engineering and Technology pp.59-64	Institute for engineering research and publications	14-Sep-14
36	Artificial Intelligence and Mobile Learning	National conference on Recent innovations in Technology and Management pp.143-148	Mount Zion College of Engineering	20-Sep-14
37	Privacy Preservation of Robust Remote Authentication in Cloud Computing	National Conference on Big Data and Cloud Computing (NCBDC'15)	NIT,Trichy	Mar 20,2015
38	Achieving Privacy Protection of Multi-factor Authentication and Access Keys in Cloud Computing	National Conf. on Frontiers in Applied Sciences And Computer Technology Vol.3, (FACT'15) pp.308-316	NIT,Trichy	6 & 7 March 2015
39	A Generic Multi-factor Authentication Scheme for Preserving Data Security and Privacy in Public Cloud	DSTE sponsored National conference on Intelligent Computing pp.1343-1349	PEC,Pondicherry	30-Jan-15
40	A secure authentication and authorization scheme for online banking in cloud	Proceedings of Recent Trends in Intelligent Systems, March 12 & 13, 2015 pp.13-20	Madras University	March 12 & 13 2015
41	Fuzzy C-means Clustering using	International Conference on Communication, Computing and Power	Vellammal engineering college	22nd - 23rd

	Biogeography Based Optimization	Technologies CHENNAI, INDIA.		APRIL, 2015
42	Data privacy in cloud computing using cryptography techniques	3rd Afro-Asian International conference on science engineering and technology, pp. 662-666	GEC	27-28 March 2015
43	Optimal video search in e-learning with different Learning Methods	Int. Conf. on Architecture Software systems & Green computing 2015 pp.178-182	AVIT	7 AND 8 May 2015
44	Design of context aware health recommender framework using ontology	Int. Conf. on Architecture conference systems and green computing 2015 pp. 321-327	AVIT	7 AND 8 May 2015
45	Applying classification techniques for ADRA in social media	National conference on recent development and applications in computer technology pp.145-151	Vidyasagar college of arts and science	22nd February 2016
46	A dynamic DNA for key based cryptography	CTEMS 2018	Pune	25-27 Nov 2018
47	Effective detection mechanism in forked software projects	International conference on smart electronic system pp,148-159	KLE soceity	May 20-22, 2016
48	Improved Security and scheduling algorithm in cloud computing using idyllic approach	3rd International Conference ion engineering technology and science pp. 148-159	Muthayammal engineering institutions	18th & 19th March 2016
49	Opinion mining feature extraction - A Survey	ICDECT 2016	Pune	10-11, 2016
50	OFS method for selecting active features using clustering techniques	ICIA 2016	PEC	25-26 Aug 2016
51	A novel multi criteria channel decision in cooperative cognitive radio network using e-topsis	ICIA 2016	PEC	25-26 Aug 2016
52	Improved PSO and K-means clustering algorithm for news article	SEISCON 2013	MGR university	2013
53	Auditing of data integrity over dynamic data in cloud	ICRTCCM	IEEE	2018
54	Effective use of virtualization for selection of data centers in cloud computing	AIP conference proceedings	Int Conf on Electrical, Electronics, Materials and Applied Science	2018



55	Efficient Query Optimization Using Bitmap Filtering on Distributed Data warehouses	International Conference on Mathematical Sciences	SIST	ISBN – 978-93-5107-261-4
56	Particle Swarm Optimization	Applied Soft Computing	AUT, Madurai	15.07.2010
57	Transient Elastography for analyzing liver fibrosis	Recent Trends in Medical Image Processing	Hindusthan Institute of Technology and Science	12.10.2010
58	ECC for Digital Signature Authentication	Recent Trends in Network Security	Dhanalakshmi College of Engineering	19.10.2010
59	Contourlet Transform and its application	National level workshop on DIP	Meenakshi College	1-2 Dec.2010
60	Genetic Algorithm	Applied Soft Computing	Meenakshi College	09.12.2010
61	Image Processing with MATLAB	Applications of Signal and Image Processing	Dhanalakshmi Srinivasan EC, Perambalur	9.2.2011
62	Artificial Intelligence Techniques	Technical Seminar	Sri Sairam Institute of Technology	03.03.2011
63	Multi Issue Processor	Technical Seminar	Dhanalakshmi Srinivasan College of Engineering	10.03.2011
64	20.4.2011	AICTE sponsored FDP on Computational Intelligence	Easwari Engineering College	20.4.2011
65	Learning Bayesian Network	Bio-Informatics Computing.	SMK Fomra Institute of Technology	09.05.2011
66	Swarm Intelligence in Data Mining	Swarm Intelligence in data mining	ManakulaVinayakar Institute of Technology	24 .6.2011
67	Swarm Intelligence in Robotics	One day national level Technical Seminar	SRM University	11.07.2011
68	Satellite image processing	National Workshop on Image Processing and Pattern Recognition	SSNCE	20.08.2011
69	Data modeling with ANFIS and Fuzzy Logic using AI	AICTE sponsored FDP on AI with soft computing	Sri Sairam Institute of Technology	15.9. 2011
70	Constraint Satisfaction	Anna University sponsored FDP on AI	Sri Venkateswara College of Engg	15.11.2011
71	Issues in Cloud computing Security	CSIR sponsored National workshop on security in cloud computing	Meenakshi College of Engineering	27.04.2012
72	Statistical methods using SPSS	National Workshop on Research Methodology	Sri Venkateswara College of Engineering	25.07.2012
73	Advanced Data Structures	Technical Seminar	Balaji Institute of Engineering and Technology	01.12.12
74	Computational Intelligence	National Level Seminar on Advancements in Computing Technology	University College of Engineering, Anna University Panruti	28.09.12

75	Digital Image Processing	Seminar on Digital Image Processing	Saveetha University	18.03.13
76	Classification in Data mining	Anna University sponsored FDP on Data Mining and Warehousing	AVC	06.05.13
77	Neural network, fuzzy logic and bioinformatics tool box	National Level workshop on MATLAB programming	Anna Adarsh College for women	27 & 28.9.13
78	Network security	National level workshop in Network security	Lakshmi Ammal Engineering College	28.09.13
79	Super scalar processors	FDP on COA	SSN College of Engineering	15.12.13
80	Data mining with WEKA	National level workshop in data mining with WEKA	Kasi Nadar college of Arts and Science	22.2.14
81	Introduction to MATLAB	Workshop in MATLAB	Stella Maris college	27.2.14
82	Wireless Networks	Anna University Sponsored FDP in AUT, Banruti	AU, Banruti	16.6.14
83	Network Security	Anna University sponsored FDP	DCE	20.6.14
84	Data Mining	UGC sponsored seminar	Villupuram Arts College	17.10.14
85	Big Data Analytics	Invited Lecture	AVC college of Engineering	13.2.15
86	Big data Analytics	Seminar on Big data analytics	Tagore Arts College	17.3.15
87	Digitization issues and challenges	Digital India	Bharathidasan college for women	10.7.15
88	Research Issues in Big Data using Weka Tools	DST sponsored big data analytics	Anand Institute of Higher Technology	05.5.16
89	Research paper writing and Funding opportunities	Research Methodology and Thesis writing	Dhanalaksmi College of Engineering	31-Aug-16
90	Green Computing	Nat. Conf. on Computing, Communication and Networking Technologies	Velammal Engineering College	04.03.2011
91	Multi Agent Technology	Multi agent for collaborative decision making in medical diagnosis	SRM University	17.01.2011
92	Expert systems for community	Nat. Conf. on Information Communication & Networking	Easwari Engineering College Easwari Engineering College	04.05.11
93	Image Processing	Int. Conf. in Embedded Electronics and Computing Systems	S.K.R. Engineering College	30.07.2011
94	Services in Cloud Computing	International Conference on Cloud Computing and Services	Saveetha University	30.10.2011
95	Threats in cloud computing	Trendz in Information Sciences and Computing (TISC-2011)	Satyabama University	9.12.11

96	Emerging trends in ICT	National Conference on Emerging & Innovative Trends in Computing Technology (NCEITCT'12)	Bharath university	08.3.12
97	Cloud Computing Security	International Conference on Computing and Control Engineering-2012	Dr.M.G.R. Educational and Research Institute	13.04.2012
98	Big data Analytics	National conference NSASG 2012	AVIT	09.05.12
99	Issues in E-Governance Security	International Conference on E-Governance and Cloud Computing Services	Dr.MGR Educational and Research Institute	17.10.2012
100	Computational Intelligence for Cancer Diagnosis	International Conference on Bio-Engineering ICBE-2013	Rajalaksmi Engineering College	03.01.2013
101	Data analysis with Hadoop	National Conference on Computer Applications and Information Technology	S.A.Engineering College	21.01.2013
102	Research issues in Computer Networks	National Conference on Research Issues in Computer Science &	R.M.K.Engineering College	02.03.2013
103	Next generation networks	First National Conference on Advanced Computing and Information Technology (NACIT)	Jerusalem College of Engineering	05.03.2013
104	Security Issues in mobile ad-hoc networks	National Conference on communication Technologies	Security Issues in mobile ad-hoc networks	06.04.2013
105	Performance Issues in Pipelining	National conference NSASG 2013	AVIT	03.5.13
106	Threats in Cybercrime	National Conference on Communication and Informatics 2013 (NCCI 2013)	Sri Venkateswara College of Engineering	02.05.13
107	Business Intelligence	National Conference on Intelligent Systems 2013	Hindusthan University	12.07.2013
108	MRI and CT Image fusion	International Conference on Human Computer Interface'13	Saveetha University	23.08.2013

### **Declaration**

I Dr.Latha Parthiban, hereby declare that the particulars furnished above are true to my knowledge.

*Latha.P*