



VELLALAR COLLEGE FOR WOMEN (AUTONOMOUS)

College with Potential for Excellence (Re-accredited with 'A' Grade by NAAC)

Thindal, Erode – 638 012.



PUBLICATIONS

DEPARTMENT OF COMPUTER APPLICATIONS

2013-2014

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	UGC Listed /Referred/ Peer Reviewed / Scopus	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
N.SenthilKumaran	IEEE conference Proceedings	A swarm based hybrid routing protocol to support multiple quality of service metrics in mobile and hoc networks	–	pages 1-8,2013	–	–

2014-2015

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	UGC Listed /Referred/ Peer Reviewed / Scopus	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
N.SenthilKumaran	IEEE conference Proceedings	AGO-GA hybrid meta-Heuristic Optimization for multi constrained quality of service routing in MANETs	–	pages 122-135,2014	–	–
N.SenthilKumaran	International Journal of Engineering Research and General Science	Improved reliable based node classification using dissect method in mobile ad hoc	–	2014	ISSN2091 2730	–
N.SenthilKumaran	International Journal of Engineering Research and General Science	Deduction techniques for unsupervised clustering with similarity hidden clustering model	–	2014	–	–
N.SenthilKumaran	International Journal of Engineering Research and General Science	Deduction techniques for unsupervised clustering with similarity hidden clustering model	–	2014	ISSN 2091 2730	–
N.Geetha	International Journal of Engineering Research & Technology	A Conceptual Model to Understand Information Security Awareness	–	Volume 3 Issue .06 Pages 1195 to 1200,2014	–	–

S.Bharathi	International Journal of Engineering Research & Technology,(IJERT)	A Conceptual Model to Understand Information Security Awareness	–	Volume 3,Issue .08,Pages 402 to 405, 2014	–	–
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2015-2016

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	UGC Listed /Referred/ Peer Reviewed / Scopus	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
N.SenthilKumaran	International Journal of Engineering Research & Technology,(IJERT)	Hybrid GA-PSO for Solving Multi-metric Quality of Service Routing Optimization in Mobile Ad Hoc Networks	–	Pg: 483-491 , 2015	ISSN:1991-8178	–
Anitha.P	International Journal Of Computer Science Trends and Technology	Spatio-Temporal Outlier Analysis And Detection Using K-Mediods with SVM	–	Vol 3, Issue 6, 2015	–	–

2016-2017

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	UGC Listed /Referred/ Peer Reviewed / Scopus	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
N.SenthilKumaran	International Research Journal of Engineering and Technology	Improved Outlier Detection using Classic KNN Algorithm	–	Vol 3,Issue 12,2016	e-ISSN:2395-0056 p-ISSN:2395-0072	4.45
Laura Juliet.P	International Research Journal of Engineering and Technology	Reccurence capture of liver disease using support vector machine with improved partical swarm optimization	–	Vol 3,Issue 12,2016	e-ISSN:2395-0056 p-ISSN:2395-0072	4.45
N.SenthilKumaran	International Research Journal of Engineering and Technology	Survey on Outlier Detection Techniques Using Categorical Data	–	Vol 3,Issue 12,2016	e-ISSN:2395-0056 p-ISSN:2395-0072	4.45
UshaNandhini.C	International Research Journal of Engineering and Technology	Semi-Supervised Nonlinear Distance Metric Learning Via Random Forest and Relative Similarity Algorithm	–	2016	p-ISSN:2395-0072	4.45
P.Anitha	International Research Journal of Engineering and Technology	Generating Secret Key for Multi-Keyword Ranked	–	2016	e-ISSN:2395-0056p-	4.45

		Search Over Encrypted Cloud Data			ISSN:2395-0072	
D.Savitha	Intercontinental Journal of Banking, Insurance and Finance	A Study on Financial Analysis of Steel Industry in Private and Public Sector (with Special Reference to TISCO and Sail)	–	Vol 3, Issue 3, Sep 2016	ISSN:2350-0875-Online- ISSN:2350-0867-Print	1.26
K.Preetha	International Journal of Advanced Research in Basic Engineering Sciences and Technology(IJARBEST)	Breast Cancer Detection and Classification using Artificial Neural Network with Particle Swarm Optimization	–	Vol 2,Issue 19, 2016	ISSN(online): 2395-695X- ISSN(print):2 395-695X	5.02
P.Anitha	International Journal of Advanced Research in Basic Engineering Sciences and Technology(IJARBEST)	Data Mining using HADOOP on BIO-NER	–	VOL 2,Issue 19, 2016	ISSN(online): 2395-695X ISSN(print):2 395-695X	0.02
N.SenthilKumaran	National Conference on Computer and Communication	Survey on Classification Algorithms in Data Mining for Prediction of Diabetes	–	2017	ISBN:978-93-85517-37-2,	–
Laura Juliet.P	National Conference on Computer and Communication	A Study on Classification Techniques in Data Mining for Prediction of Liver Disorder from USA Liver	–	vol2,29-33,2017	ISBN:978-93-85517-37-2	–
P.Anitha	National Conference on Computer and Communication	A study on Classification Techniques in Data Mining for Prediction of Diabetes	–	2017	ISBN:978-93-85517-37-2	–

		Disease				
P.Laura Juliet	International Journal of Advanced Research in Science and Engineering	A Comprehensive Analysis on Preprocessing and Classification Techniques in Data mining for predicting Liver disorder from USA Liver Patient's Data	–	Vol 6, Issue 12,2017	ISSN(o) :2319-8354,ISSN(P) : 2319-8346	–
P. Anitha	International Journal of Contemporary Research in Computer science and Technology	A classification and Prediction model for Diabetic Dataset by using Different transformation Techniques	–	Vol 3,Special Issue 3, 253-255, 2017	ISSN :2395-5325	–

2017-2018

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	UGC Listed /Referred/ Peer Reviewed / Scopus	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
S.S.Kokila	International Journal on Future Revolution in Computer Science and Communication Engineering	Multipath Ant colony Optimization algorithm (MBEEACO)to improve the lifetime of MANET	–	Vol 3,Issue 11,338-344,2017	ISSN:2454-4248	–
S.S.Kokila	International Journal of Advance Engineering and Research Development	Cluster Based Improved Ant Colony Optimization Routing Techniques to	–	Vol 4,Issue 11,647-655, 2017	ISSN(o): 2348-4470	–

		Improve the Efficiency of MANET				
N.SenthilKumaran	International journal of Engineering and technology	A Novel Approach for travel package recommendation using probabilistic matrix factorization,	-	Pg: 2321 0613,Vol 3,Issue 11,2017	ISSN[Online]	-
Laura Juliet.P	International Research Journal Of Engineering and Technology	Identifying Community For Important Intensions in Complex Data Structure on the Online Social Networks	-	Pg:2103- 2108,Vol 2, Issue 9,2017	-	-
Usha Nandhini.C	International Research Journal Of Engineering and Technology	Efficiently Generating The Rank Based Weighted Association Rule Mining Using Apriori Algorithm In High Biological Database	-	Pg:01-06,Vol 2, Issue 8,2017	-	-
C.Usha Nandhini	International Journal of Contemporary Research in Computer science and Technology	An Efficient Approach for constructing a model for Diagnosing Heart Disease Dataset	-	Vol 3,Special Issue 3,2017	ISSN :2395- 5325	-
N.Geetha	International Journal of Contemporary Research in Computer science and Technology	Study on Credit card Fraud Detection using Data mining Techniques	-	33-35, Vol 3,Special Issue 3,2017	ISSN :2395- 5325	-
Laura Juliet.P	International Journal of computer Science	A Survey on Classification Techniques in Data Mining for Early Detection of	-	2017	ISSN:2348- 6600	-

		Liver Disease from Indian Liver Patients Data				
UshaNandhini.C	International Journal of computer Science	A Study on Effective Classification and Prediction of Heart Disease Using Data Mining Techniques	-	-	ISSN:2348-6600	-
P.Anitha	International Journal of Computer Science	Exploring on Classification and Prediction of Diabetics using Data Mining and Neural Network	-	Vol 5,Issue 1, No 8,2017	ISSN:2348-6600	-
N.Geetha	International conference on Recent Trends in Computational Life Science and Information Technology	Study on Credit Card Fraud Detection Using Data mining Techniques	-	33-35, Vol 3,Special issue 3,2017	ISSN 2395-5325	-
UshaNandhini.C	National Conference on Computer and Communication	A Study on Classification Techniques in Data Mining for Prediction of Heart Disease	-	2017	ISBN:978-93-85517-37-2,	-
N.Geetha	International Journal of Theoretical and Applied Sciences	A Study and Review on Data mining Based E-mail Fraud Detection Techniques	-	38-43, Special Issue 10(1a),2017	ISSN(P):0975-1718 ISSN(O) : 2249-3247	-
K.Preetha	International Journal of Advanced Research in Computer sciences	De-Noising Mammogram images by Hybridizing Deviation about Mean, Median and Maximum	-	Vol 8,Issue 3,2017	ISSN:0976-5697	-

		Filters				
P.R.Kalaiyarasi	International Journal of Theoretical and Applied Sciences	A Study and Review on Data mining Based E-mail Fraud Detection Techniques	-	38-43, Special Issue 10(1a),2017	ISSN(P):0975-1718 ISSN(O) : 2249-3247	-
P.Laura Juliet	International Research Journal of Engineering and Technology	Performance Analysis of Liver Disease Prediction using Machine Learning Algorithms	-	782-786,2018	ISSN(e): 2395-0056 ISSN(p): 2395-0072	-
P.Laura Juliet	Mathematical Sciences International Research Journal	Comparison of Feature Selection and classification Techniques in Data mining For Diagnosis of Liver Diseases using Liver functional Test Data	-	Vol 7 ,Special Issue 3,2018	ISSN :2278-8697	-
P. Anitha	Mathematical Sciences International Research Journal	An Efficient Framework for classifying and Predicting Diabetic Disease using Different Feature Selection with classification techniques	-	Vol 7 ,Special Issue 3,194-198, 2018	ISSN :2278-8697	-
D.Savitha	Journal of Innovative Research and Solutions	Support Vector Machines with Feature Contribution Analysis for Crop Yield prediction	-	Vol 4,Issue 1,& 29-34, 2018	ISSN(P):2320 1932, ISSN(O): 2348 3636	-

N.Geetha	International Research Journal of Engineering and Technology	An Identification and Detection of Fraudulence in Credit card Fraud Transaction system using Data mining Techniques	–	Vol 5, Issue 1, 1238-1241, 2018	e-ISSN : 2395-0056 p-ISSN: 2395-0072	–
S.S.Kokila	International Journal of Pure and Applied Mathematics	Optimized energy efficient Multipath model based Cross layer Routing Techniques for Gauss Markov Movable node management in MANET	–	Vol 119, Issue 7, 663-676, 2018	ISSN(p): 1311-8080 ISSN(e): 1314-3395	–
K.Preetha	International Journal of Engineering and technology	GLCM and GLRLM based feature extraction technique in Mammogram images	–	2018	–	–
P.Bharathisindhu	Cluster Computing	An improved model based on genetic algorithm for detecting intrusion in mobile ad hoc network	–	2018	Springer International Publishing. DOI: 10.1007/s10586-018-1745-7.	–
P.Bharathisindhu	International Journal on Future Revolution in Computer Science & Communication Engineering	A Review on Data Mining Techniques towards Various Intrusion Detection Systems in MANET	–	Vol.4, Issue4, pp. 509 – 511, 2018	–	–

P.Bharathisindhu	International Journal of Creative Research Thoughts	A Model For Intrusion Detection In Manet Based On Decision Tree Classification	-	Vol. 6, Issue 2,2018	-	-
P.Bharathisindhu	International Journal of Advance Engineering and Research Development	Intrusion detection system in mobile adhoc network using clustering techniques with ASACK: An advanced safe acknowledgement scheme.	-	Vol. 5, Issue, 04,2018	-	-
C.Usha Nandhini	Mathematical Sciences International Research Journal	An Ensemble Approach for Performance Analysis of Preprocessing Techniques on Classification for Heart Diseases Datasets	-	135-143,Vol 7 ,Special Issue 3, 2018	ISSN :2278-8697	-
C.Usha Nandhini	International Journal of Theoretical and Applied Sciences	A Review on Feature Selection Approaches for Heart Disease Classification	-	63-67, Special Issue 10(1a) , 2018	ISSN(P):0975-1718 ISSN(O) : 2249-3247	-
P.Anitha	International Conference on Emerging Social,Mobile,Analytics and Cloud	A Review on Feature Selection Methods for Diabetes Mellitus	-	2018	ISBN:978-1-941 505-92-2	-
D.Savitha	International Conference on Emerging Social,Mobile,Analytics and Cloud	IoT Architecture and its Real World Applications	-	2018	ISBN:978-1-941 505-92-2	-

2018-2019

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	UGC Listed /Referred/ Peer Reviewed / Scopus	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
K.Preetha	International journal of pure and applied mathematics	Weight optimization model based on Neural network for breast cancer prediction	–	Vol.119 No.18 , 2018	–	–
P.Bharathisindhu	International journal of Engineering and technology	Probability Model for Intrusion detection in Mobile Adhoc Network	–	7(2.20) pp.302-305, 2018	–	–

2019-2020

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	UGC Listed /Referred/ Peer Reviewed / Scopus	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
PREETHA K		Classification Of Normal Or Abnormal Mammogram Using Neuro-Optimization		Vol -7, P.NO. 649-653	348-1269	
LAURA JULIET P		An Improved Prediction Model for Type 2 Diabetes Mellitus Disease using Clustering and classification Algorithms		Vol -06, P.NO. 1179-1186	2395-0056	7.211
GEETHA N	INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL REVIEWS	Energy Saving Model for Cloud Computing Based Virtual Machine Allocation Using PSO Algorithm	Google Scholar	Vol -06, P.NO. 84-89	2348-1269	5.75

BRINDHA S	International Journal of Novel Research and Development	An Analysis on Big Data Interrogation, Explore Problems and Tools	Google Scholar	Vol -5, P.NO. 303-310	2456-4184	5.57
KOKILA S.S	Studies in Indian Places	QoS Aware Buffer Management Protocol for Multicast Streaming in MANET	Others	Vol -40	2394-3114	2744-2754
BRINDHA	International Journal of Science & Engineering Development Research	Improve Air Quality Using Inner Pattern Data Plant Method For Deploying Taxonomy Method	Google Scholar	Vol -5, P.NO. 56-61	2455-2631	
KOKILA S.S	International Journal of Recent Technology and Engineering (IJRTE)	An Effective Management of MANET based Nodes in Swarm Intelligence with Feature Selection Methods.	Scopus	Vol -8, P.NO. 878-888	2277-3878	5.92
SAVITHA D	INTERNATIONAL RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY	Dengue Fever Prediction Using Classification Techniques	Google Scholar		2395-0056	7.211
LAURA JULIET P	Journal of Emerging Technologies and Innovative Research	Analysis on early Prediction of Breast Cancer using Different Algorithms	Google Scholar	Vol -6, P.NO. 602-612	2349-5162	5.87
USHA NANDHINI C	International Research Journal of Engineering and Technology (IRJET)	An Efficient Approaches For Classifying And Predicting Heart Disease Using Machine Learning Techniques	Others	Vol -6, P.NO. 750 - 755	2395-0056	7.211
USHA NANDHINI C	Science Direct - Materials Today: Proceeding Journal	Hybrid Framework of ID3 with Multivariate Attribute Selection for Heart Disease Analysis	Scopus			0.97

ANITHA P	International Research Journal of Engineering and Technology (IRJET)	Comparison of feature selection methods for chronic kidney data set usng data mining classification analytical model	Google Scholar	P.NO. 59-469	e-ISSN : 2395-0056	7.211
BRINDHA S	International Journal for Innovative Research in Multidisciplinary Field	Comparative study of term based pattern taxonomy deploying algorithms	Scopus	Vol -6, P.NO. 49-54	2455 - 0620	6.497
PREETHA K		Extraction and Grading of Malignant Tumor from Abnormal Mammogram Image using Marker Controlled Watershed Segmentation		Vol -9, P.NO. 5323 - 5331	348-1269	

2021-2022

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
D.Selvanayagi	First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)	A Comparison of Machine Learning Algorithms for Osteoporosis Prediction	1-6 and 2022	DOI: 10.1109/ICEEICT53079.2022.9768568	-
S.Brindha	International Journal of Creative Research Thoughts (IJCRT)	Deployment Liabilities of Deep Learning Based on 5G Mobile Applications Using Advanced Mobile Edge Computing Taxonomy	Volume 09, Issue 1130 pp. 567-571November 2021	2320-2882	7.97

S.Brindha	International Journal of Science & Research (IJSR)	Effective Taxonomy of Advanced Mobile Edge Computing of Long-Term Evolution for 5G	Volume 11, Issue 03, , pp. 1222-1228 March 2022	2319-7064	7.583
S.Brindha	International Advanced Research Journal in Science, Engineering and Technology (IARJSET)	Comparative Study on COVID-19 with Ayurvedic and Home Remedy Solution using Data Analysis	Volume 09, Issue 03, pp. 1-4 March 2022	ISBN: 2393-8021, ISSN: 2394-1588	8.066

2022-2023

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
S.Brindha	ACTA Scientific MICROBIOLOGY	Review on Energy Storage and Sensor Applications of Microcube Structure Materials	Volume 5 Issue 7, June 2022	ISSN: 2581-3226	1.416
S.Brindha	ACTA Scientific MICROBIOLOGY	Environmental Remediation using Novel Sponges as an Effective Adsorbents	Volume 5 Issue 7, June 2022	ISSN: 2581-3226	1.416
S.Brindha	Journal of Ecology	Review on Harmful Pollutants Causing Water Pollution in the Yamuna River, Research& Reviews	Volume 11, Issue 2, July 2022	ISSN: 2278-2230	6.381
S.Brindha	International Journal of All Research Education and Scientific Methods (IJARESM)	Enhanced Pattern Classification Methods for Text Categorization Mining	Volume 10, Issue 10, July 2022	ISSN: 2455-6211	7.429
S.Brindha	International Journal of	Analysis of the Dangerous Impacts	Volume 8, Issue2,	eISSN: 2456-	5.867

	Environmental Chemistry (IJEC)	of Food Perservatives	2022.	5245	(SJIF)
S.Brindha	Industrial Engineering Journal	Heart Disease Transparency Analysis using Machine Learning Algorithms	Volume 15, Issue 10, October 2022, Pp:990-1002	ISSN: 0970-2555	-
Dr.P.Bharathisindhu	International journal for research trends and innovations	Comparative Analysis of Prediction and forecasting of Covid 19 using Regression algorithms and forecasting models in Various Indian states	Volume 7, Issue 11, pp. 2456- 3315 and 2022	2456-3315	Impact factor: 8.14
Dr.S.Brindha	"International Advanced Research Journal in Science, Engineering and Technology (IARJSET)"	Comparative Study on COVID-19 with Ayurvedic and Home Remedy Solution using Data Analysis	pp. 2394-1588 and 2022	(Print), 2393-8021 (online)	
Dr.C.Premavathi	SAMRIDDHI: A Journal of Physical Sciences, Engineering and Technology	A Technique for Effective Software Bugs Using a Hybrid Selection Method	Volume No.14, Issue -3 and Sep-22	ISSN: 2229-7111	-
Ms.N.Geetha	International Journal for Research Trends and Innovation	A review on Human Facial Emotion Recognition System	Volume 8 Issue 8, P.No. 385-390 and Nov-2022	ISSN: 2456-3315	8.14

Dr.S.Brindha	Exploring Women Leadership: Achieving an Equal Future	Role of Empowering Women in Science and Technology	A publication of Millennium University, Blantyre, Republic of Malawi – Oct 2022	ISBN: 978-81- 930947-9-2	
Dr.S.Brindha	Climate Change and Human Health	Prevention of Environmental Air Pollution	Kirpa Drishti Publications, Pune-411021, Maharashtra, India. Mar 2023	ISBN:97 8-81- 961210-0-6	
Dr.S.Brindha	Climate Change and Human Health	Agroforestry and Sustainable Development for Natural Resources Conservation	Kirpa Drishti Publications, Pune-411021, Maharashtra, India. Mar 2023	ISBN:97 8-81- 961210-0-6	

2023-2024

Name of the Author(s)	Name of the Journal/ Book/ Conference Proceedings	Title	Volume, Issue, P.No. and year	ISBN/ ISSN/ DOI	Impact Factor
Ms.N.Geetha	International Journal for Research Trends and Innovation,	A Review on Human Facial Emotion Recognition System	Volume - 8, Issue - 8, August, 2023	pp. 385-390, ISSN: 2456-3315	
Dr.P.Bharathisindhu	IJRT	Comparative Analysis of Prediction and Forecasting of Covid 19 Using Regression Algorithms and Forecasting Models in Various Indian States	Volume - 7, Issue - 11, 2022	pp. 512-520, ISSN: 2456-3315	
Dr.P.Bharathisindhu	Advance Engineering Science	A Study of The Cluster Using Routing Protocol And Optimization Techniques for Wireless Sensor Network	Volume - 55, Issue - 2, November 2023	pp. 383-397, ISSN: 2096-3246	