

RESUME



Name: Dr.S.CHIDAMBARANATHAN

Designation: VICE PRINCIPAL AND ASSOCIATE PROFESSOR

Department: COMPUTER APPLICATIONS

Address:

PERSONAL DETAILS

Date of Birth : 04-04-1972
Qualification : M.Sc.,MCA.,M.Phil.,Ph.D.,
Designation : Vice Principal and Associate Professor
Department : Computer Applications
Community : Saiva Vellalar
Religion : Hindu
Nationality : Indian
Mobile : 8072608688
Email ID : scharan2009@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Specialization	College	University	Year of Passing
Ph.D Computer Science	Image Mining	Manonmanium Sundaranar University, Tirunelveli	Manonmanium Sundaranar University, Tirunelveli	2015
M.Phil Computer Science		Manonmanium Sundaranar University, Tirunelveli	Manonmanium Sundaranar University, Tirunelveli	2007
MCA		Manonmanium Sundaranar University, Tirunelveli	Manonmanium Sundaranar University, Tirunelveli	2003
M.SC Mathematics		Manonmanium Sundaranar University, Tirunelveli	Manonmanium Sundaranar University, Tirunelveli	1994

ACADEMIC IDENTITY

*ORCID ID	0000-0003-2350-2911
GOOGLE SCHOLAR LINK	shorturl.at/mwxyP

TEACHING EXPERIENCE

Date of Appointment	14.07.2004
Date of Retirement	-
Teaching Experience	UG : 3 Years
	PG : 18 Years
Research	Guided Ph D: 06 Guiding Ph.D Scholar: 03

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	

MCA	ST. XAVIER'S COLLEGE (AUTONOMOUS)	14.07.2004	Till Date	18
BCA	ST. XAVIER'S COLLEGE (AUTONOMOUS)	16.06.2019	Till Date	3

AWARDS RECEIVED	
1.	Best Coordinator, April 2021 (National) by ICT Academy, Chennai
2.	Young Scientist Award , August 2019 (International) by Vedant Academy, Kasetsart University, Chatuchak, Bangkok, Thailand.
3.	Best Researcher in Computer Science, May 2019 (International) by Vedant Academy, Kasetsart University, Chatuchak, Bangkok, Thailand.
4.	Distinguished Researcher in Computer Applications Award ' August,18 (International) by Research Under Literal Access accredited with Idamas Learning and Training Center, Malaysia
5.	Best Researcher Award (April 2018), St. Xavier's College, Palayamkottai.
6.	Innovative Research and Dedicated Academician Award (March 2018), The Society of Innovative Educationalist & Scientific Research Professional, New Delhi accredited with ISRP, Malaysia
7.	Best Researcher Award (March 2016), St. Xavier's College, Palayamkottai
8.	Best Researcher Award (March 2015), St. Xavier's College, Palayamkottai
9.	Best Researcher Award (March 2013), St. Xavier's College, Palayamkottai.
10.	Best Researcher Award (March 2012), St. Xavier's College, Palayamkottai.
11.	Best Researcher Award (March 2011), St. Xavier's College, Palayamkottai.
12.	Award of Excellence (March 2010) in the International Conference at Noorul Islam University, Thuckalai.
13.	Best Paper Award (Feb. 2010) in the International Conference at Sun Engineering College, Nagercoil.

ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR
1.	Vice Principal	St. Xavier's College, Palayamkottai	June 2020 – Till date
2.	Placement Officer	St. Xavier's College, Palayamkottai	June 2020 – Till date
3.	Associate Professor in the Dept. of Computer Applications	St. Xavier's College, Palayamkottai	March 2018 – till date

4.	Head of the Department of MCA	St. Xavier's College, Palayamkottai	June 2012 – May 2020
5.	Asst. Professor in the Dept. of MCA	St. Xavier's College, Palayamkottai	July 2004 – Feb. 2018
6.	Placement Officer	St. Xavier's College, Palayamkottai	2014 – 2016

MEMBERSHIP		
S. No	Designation	Particulars
1.	Member	Innovative Scientific Research Professional(India Chapter), Malaysia
2.	Member	International Journal of Research under Literal Access accredited with Idamas Learning and Training Center, Malaysia

ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ()			
S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Creative Thinking by ICT Academy of Tamil Nadu	ICT Academy of Tamil Nadu	Noorul Islam Center of Higher Education, Nagercoil 11 th and 12 th February 2019
2	Emotional Intelligence and innovation in the Context of Industry 4.0	ICFAI Business School	7 th August 2019
3	LaTex Training	Course Material offered by Spoken Tutorial Project, IIT, Bombay	G.Venkataswamy Naidu College, Kovilpatti March – April 2020
4	Moodle Learning Management System	Course Material offered by Spoken Tutorial Project, IIT, Bombay	G.Venkataswamy Naidu College, Kovilpatti March – April 2020
5	Python 3.4.3	Course Material offered by Spoken Tutorial Project, IIT, Bombay	G.Venkataswamy Naidu College, Kovilpatti March – April 2020

AREAS OF RESEARCH
Medical Image Mining

RESEARCH PROJECTS CARRIED OUT			
S. No	Title of the Project (Minor)	Name of the Funding Agency & Amount	Duration
1	Developing a Statistical Application for Ethno-biological Field Studies	Central Council for Research in Siddha, Ministry of Ayush, Govt. of India, Chennai	19 th Jan. 2022

PUBLICATIONS: BOOKS ()			
S. No	Title of the Book	Publication	Year
1	PHP for beginners	Thozalamai publications, Chennai ISBN:978-81-907863-8-6	2009
2	XML–An Practical approach	Thozalamai publications, Chennai ISBN:978-81-907863-9-3	2011
3	Everything in HTML	Einstein publications, Chennai ISBN:978-81-873284-2-7	2012
4	C Simpler: How to Program	Educreation Publishing, Bilaspur, Chhattisgarh ISBN:978-8-19078-642-3	2018
5	Python for Data Science	EduCreation Publishing, Bilaspur, Chhattisgarh - 495001 , Sep. 2020 ISBN978-93-88719-82-7	2020
6	Learning Genetic Algorithms with Python - In Optimization and Machine Learning	Scientific International Publishing House, ISBN:978-93-5625-219-6 Page Numbers:213 Month & Year: May 2022	

BOOK CHAPTERS ()			
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No
1	Book Title: Handbook of Deep Learning in Biomedical Engineering and Health Informatics.	A technical Assessment of various Image Stitching Techniques: A Deep Learning Approach	Biomedical Engineering: Techniques and Application Book series, Apple Academic Press, New Delhi ISBN: 9781771889988 Feb.2022
2.	Artificial Intelligent Techniques for Wireless Communication and Networking	Enabling Artificial Intelligence and Cyber Security in Smart Manufacturing	Scrivener Publishing, Wiley Chapter Id:AICN0155; Feb.. 2022.
3.	Artificial Based Digital Twin Technology Electric Vehicle	An Artificial Intelligence Assisted Electric Vehicle	Scrivener Publishing, Wiley; March 2022.

		design using Lithium-Ion Batteries	
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PUBLICATIONS: SCOPUS INDEXED JOURNALS (WEB OF SCIENCE)

S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1.	An Intelligent Internet of Medical Things with Deep Learning Based Automated Breast Cancer Detection and Classification Model	Springer Nature	https://doi.org/10.1007/978-3-030-55833-8_11 ISSN:978-3-030-55833-8 Vol.3(11); pp.181-193; Aug.2021
2.	Person Identification with aerial imaginary using SegNet based semantic segmentation	Earth Science Informatics (Springer)	https://doi.org/10.1007/s12145-020-005516-y 1 st Sep. 2020
3.	Red Lesion Detection in Fundus Images	International Journal of Advanced Sciences and Technology(Scopus)	Vol.:29(7s);1229-1234; July 2020; ISSN:2005-4238
4.	A Spatio Temporal HDBSCAN Based Clustering and its Application for finding Potential fishing Zones using Oceanographic Parameters	International Journal of Advanced Sciences and Technology(Scopus)	Vol.:29(7s);1235-1241; July 2020; ISSN:2005-4238
5.	Usage of Energy Efficient Sensor Nodes on Wearable Device for fall and Child Abduction Detection	International Journal of Engineering and Advanced Technology(Scopus)	Vol.9(1), pp.6482-6485; Oct.2019; ISSN.2249-8958
6.	Cluster Interfaced Objective Function for Decision Tree Classifiers for Mining Data with Uncertainty	International Journal of Innovative Technology and Exploring Engineering (Scopus)	Vol..8.No,6S4, pp1554-1559 April 2019; ISSN:2278-3075.
7.	Enhancement of Scalable Access Control Mechanism in Grid Computing	International Journal of Research and Analytical Reviews (Scopus)	Vol.6.No.1, Jan. 2019; pp.972-976 ISSN-2349-5138
9	Optimization of Dynamic Access Control Mechanism in Grid Computing	International Journal of Management, Technology and Engineering (Scopus)	Vol.IX,No.1, Jan. 2019; pp.1669-1678; ISSN-2249-7455
10	Unification of Scalable and Dynamic Access Control Mechanism in Grid Computing	Journal of Emerging Technologies and Innovative Research(Scopus)	Vol.6;No.1, Jan.2019; pp.329-337 ISSN-2349-5162
11	Breast Cancer Diagnosis Based On Feature Extraction By Hybrid Of K-Means And Extreme Learning Machine Algorithms	ARPN Journal of Engineering and Applied Sciences(Scopus)	Vol. 11, No. 7, April 2016; pp. 4581-4586; ISSN 1819-6608
12	Cluster Interfaced Objective Function for	Elsevier Publications	April 2014, pp.140-145; ISSN:0022-0000

	Decision Tree for Mining Data		
13	Graph based User Interacted Medical Image segmentation with multi threshold using K-means clustering	Advances in Computational Sciences and Technology (ACST) (Scopus)	Vol.2, No.3, 2013, pp.48-54; ISSN: 0973-6107
14	An Efficient divisive-agglomerative hierarchical clustering algorithm using minimum spanning tree	<i>Journal of Discrete Mathematical Sciences & Cryptography</i> (Scopus)	Vol.14(2011), No.6. pp. 583-595; ISSN: 09720529
15	Meta clusters through minimum spanning tree based clustering for performance analysis of students	<i>Journal of Discrete Mathematical Sciences & Cryptography</i> (Scopus)	Vol.14(2011),No.4, pp.349-367; ISSN, 09720529

PUBLICATIONS: UGC LISTED JOURNALS ()			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No
1	Energy Efficient Routing in WSN Using D-N-C algorithm	International Journal of Computer Engineering and Technology	Vol.9;No.5,Sep. 2018; pp.78-88 ISSN 0976-6367
2	EEDACS-A Novel Routing Algorithm for Energy-Efficient Distributed Averaging with Consistent Node Selection	International Journal of Research and Analytical Reviews	Vol.5,No.4, Sep. 2018; pp. 516-521 ISSN 2349-5138
3	Efficient Packet Delivery for Reliable Multi-Path Routing	Journal of Emerging Technologies and Innovative Research	Vol.5, No.8, Sep. 2018 pp.28-37 ISSN 2346-5162
4	Clever Cardnovel Authentication Protocol(NAUL) in Multi-computing Internet of things(IoT) Environs	International Journal of Pure and Applied Mathematics	Vol.116,No.12, Mar 2017; pp.11-19
5	Detection of Click-jack attacks by employing agents	Int. journal of comp. science and mobile computing;	Vol.5(3), March 2016. Pp.1-5;ISSN: 2320-088X
6	An Automated Detection and Classification of Suspicious Lesions in Mammograms	International Journal of Engineering and Technology	Vol 8 No 1 Feb-Mar 2016; pp:371-378; ISSN: 0975-4024
7	A Novel Palmprint Recognition System based on GIST and ELM	International Journal of Science and Research	Vol.;5(2), Feb. 2016; pp.919-921; ISSN, 2319-7064
8	Image Mining with CBIR	International Journal of Computer Science and Mobile Computing	Vol.4, Issue-3, Mar.2015; pp.12.15; ISSN: 2320-088X
9	Data Clustering with K-means and Generalized K-Harmonic Means Algorithm	Global Academic Research journal	Vol.III, Issue-2 , Feb.2015, pp.15-19; ISSN, 2347-3592
10	Face Recognition System based on face models and LBP	Int. Journal of Advanced Research in Computer	Vol.4.,Issue-2, Feb.2015, pp.380-382;ISSN: 2278-1323

		Engineering & Technology	
11	Mammogram Image segmentation-A Short Survey	Int. Journal of Emerging Tech. in Comp. Sci. & Electronics	Vol.11, Issue-3, Nov.2014, pp.18-21; ISSN: 0976 – 1353
12	Secure Protocol for MANET based on Pseudonymity	International Journal of Computer Science and Mobile Computing	Vol.3, Issue-11, Nov.2014; pp.207-211; ISSN: 2320-088X
13	A New Hybrid algorithm for Privacy Preserving Data Mining	International Journal of Engineering Sciences & Research Technology	Vol.3, .Issue-8, Aug.2014, pp.147-156;ISSN: 2277-9655
14	Identification of the Degree of participation based on HMM	<i>International journal of Computer Science and Mobile computing</i>	Vol.3(4), 2014, pp.1-6 ISSN: 2320-088X
15	A Survey on Text based Clustering	<i>Int. journal of Computer Science and Mobile computing</i>	Vol. 3(3), 2014, pp.332 – 335 ISSN: 2320-088X
16	A Novel Automated Methodology for Spam Detection in Facebook	<i>Int. J. Emerging Tech. in Computer Sci., & Electronics</i>	Vol.5(1), 2014, pp.8-11; ISSN: 0976 – 1353
17	An Enhanced Model for achieving high throughput using variant buffer size methodology	<i>Global Journal of Computer Applications and Technology</i>	Vol. 3(1), 2013, pp.1203-1206. ISSN: 0975-4172
18	Flexible Pricing Scheme for a Cloud Cache	Int. Journal of Computer Information Systems	Vol. 6(2), 2013,pp.28-30; ISSN:2150-7988.
19	A CCBIR System using associative mining techniques for semantic search engines	International Journal of Computer Sciences and Applications	Vol.1, No.10, 2012, pp.19-24; ISSN 2324-7037
20	Detection of Outlier-communities using Minimum spanning Tree	<i>Journal of Emerging Trends in Computing and Information Sciences</i>	Vol.2,No.11, (2011) pp. 608-614; ISSN2079-8407
21	Data cleaning through Minimum Spanning Tree for Data Mining	<i>Global Journal Theoretical and Applied Math. Sciences</i>	Vol. 1, No 2, pp.141-148, 2011. ISSN : 2248-9916
22	A New Approach for Local Outliers Detection using Minimum Spanning Tree based clustering	<i>Int. Journal of Computational and Applied Mathematics</i>	Vol. 6, No.1, pp.133-148, 2011. ISSN: 1819-4966
23	An Efficient Data Cleaning Algorithm through Minimum Spanning Tree for Data Mining	Int. journal of Computational Science and Mathematics	Vol. 3,No.4, Aug.2011, pp.361-369. ISSN: 1819-4966
24	An Efficient Detection of Outliers and Hubs using Minimum Spanning Tree	Journal of Computing	Vol. 3, Issue, 7, July 2011, pp.91-96. ISSN 2151-9617
25	A Nonparametric Search Algorithm for Local Outliers and hubs using Minimum Spanning Tree	Int. Journal of Computational Science and Mathematics	Vol.1,No.2, June 2011, pp.39-53; ISSN 0974-3189
26	Degree number based search algorithm for Local Outliers and Hubs using Minimum Spanning Tree	Advances in Computational sciences and Tech.	Vol. 4., No.2, June 2011, pp.163-177; ISSN 0973-6107

27	Hybrid Algorithm for Noise-free density Clusters with Self-Detection of Best Number of clusters	International Journal of Hybrid Information Technologies	Vol.4, No.2, April 2011; pp.39-54; ISSN: 1738-9968
28	Minimum spanning tree based Data Cleaning for Data Mining	Int. journal of Research and Reviews in Computer Science.	Vol.2, No.1, March 2011 pp.163-167;ISSN: 2454-2237

AS A RESOURCE PERSON (26)			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	Appointed as Member of Board of Studies in the department of information Technology in Manonmanium Sundaranar University	Manonmanium Sundaranar University , Tirunelveli	April 2020 to March 2023.
2	Appointed as Examiner to Conduct Ph.D Viva in Bharathidasan University, Trichy	Bharathidasan University, Trichy	6 th Feb. 2020
3	Appointed as Subject Expert for Mock Visit (Academic Audit) in Sacred Heart College, Tirupattur	Sacred Heart College, Tirupattur	30 th Jan. 2020.
4	University Nominee of BOS in STC College, Tirunelveli	Manonmanium Sundaranar University , Tirunelveli	2019-2022
5	University Nominee of BOS in Sri Parasakthi College, Courtalam	Manonmanium Sundaranar University , Tirunelveli	2019-2022
6	Member of Board of Studies in Sadakathulla appa college(Autonomous), Tirunelveli	Sadakathulla appa College(Autonomous), Tirunelveli	2018-2020
7	Member of Board of Studies in Saradha College, Tirunelveli	Saradha College, Tirunelveli	2018-2020
8	Member of Board of Studies in STC College, Tirunelveli	STC College, Tirunelveli	2014-2016
9	Member of Academic audit in E.M.G.Yadava Women's College, Madurai	E.M.G.Yadava Women's College, Madurai	2014-2015

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP
PAPER PRESENTED: National () International ()**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	International Conference on Advanced Computing & Communication System – ICACCS 2021	A Reflection of Driver Drowsiness Detection Techniques(IEEE Sponsored)	Sri Eswar College of Engineering, Coimbatore 19 th & 20 th March 2021
2	International E-Conference on Emerging Trends in Engineering and Management	A Prediction of Chronic kidney Disease using Machine Learning Techniques – A Review(AICTE sponsored)	Sri Vasavi Engineering College(Autonomous), Tadepalligudem, Andra Pradesh, ; 19 th & 20 th Feb. 2021
3	International Conference on Recent Trends in Multi-Disciplinary Research	Comparative Study of Kidney Disease Prediction using Classification Algorithms	APC Mahalakshmi College for Women, Tuticorin, 27 th and 28 th Feb. 2020
4	Int. Conf. on Recent Advancement in Electrical, Electronics, Computer and Communication Engg.	A Spatio Temporal HDBSCAN Based Clustering and its Application for finding Potential fishing Zones using Oceanographic Parameters	MEPCO Engg. College, Sivakasi. 5-7 th Dec. 2019.
5	Int. Conf. on Recent Advancement in Electrical, Electronics, Computer and Communication Engg.	Red Lesion Detection in Fundus Images	MEPCO Engg. College, Sivakasi. 5-7 th Dec. 2019.
6	Int. Conf. on Recent Trends in Adv. Comp. and its Applications	The Survey Prediction of Potential Fishing Zone	Saradha College, Tirunelveli, 23 rd Feb. 2019.
7	International conference on Computing Sciences	Knowledge Discovery in Image Data Mining technology of Multimedia	Loyola College (Autonomous), Chennai, 16,17 th Nov.2018.
8	National conference on Crypt Analysis Techniques in Computer Hacking	An efficient data cleaning through minimum spanning tree for data mining	Einstein College of Engg., Tirunelveli, 18 th & 19 th Feb. 2011
9	Nat. conf. on VLSI, Embedded sys., Signal processing and communication	Discrete Wavelet Transformation in dual Water Marking	Aarupadai veedu Institute of tech., Chennai, April 2010
10	International Conference on ETES	Adaptive wavelet thresholding for Image Denoising in digital Mammographic Images	Noorul Islam University, Thucklay, 26 th and 27 th March 2010
11	Int. Conference on Intelligent sci. and tech	Effect of Median Filter in point detection from noised image	Sun Engg. College, Nagercoil, 18 th and 19 th Feb 2010.
12	National Conference of ETBSIS	An Analytical study on tools of Network Security and Firewalls	Thiagarajar School of Management,

			Madurai, 12 th Feb. 2010
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WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1	National seminar on Image Mining	Sadakathulla Appa College, Tirunelveli	8 th January 2014
2	ICT enabled Teaching-Learning through Smart Class Room	St. Xavier's College, Palayankottai	27 th Sep. 2011
3	Recent Trends in Communication Engineering	Sastra University, Kumbakonam	2 nd April 2010
4	Information and Software Engineering	AVI Technology, Vinayaka Missions University, Chennai	26 & 27 th Feb.2010
5	Computing, Communication and Information system	Sri Krishna College of Engg. and Technology, Coimbatore	12-13, Feb, 2010
6	VLSI Design and Communication systems	Meenakshi Sundararajan Engineering College, Chennai	8-10 January 2010
7	Wireless Communication and Sensor Computing	SSN College of Engineering, Chennai	02-04 Jan.2010
8	Advanced Intelligent system	Dr. Sivanthi Aditanar College of Engg. College, Tiruchendur	15 & 16 th Dec. 2009
9	Campus to Corporate	Manonmaniam Sundarnar University, Tirunelveli	14&15 th Dec.2009
10	Quality Initiatives for student support and progression	St. Xavier's College, Palayankottai	4 & 5 th Dec.2009
11	IDL Programming	St. Xavier's College, Palayankottai	22 & 23 rd February 2008

Date: 04.07.2022

Name: S.CHIDAMBARANATHAN