RESUME

Dr.S. CHIDAMBARANATHAN, M.Sc.,MCA.,M.Phil.,Ph.D.,
Head & Associate Professor of Computer Applications Department
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EDUCATIONAL QUALIFICATION:

Ph.D in Computer Science from the Manonmanium Sundaranar University, Tirunelveli in the year 2015.

M.Phil in Computer Science from the Manonmanium Sundaranar University, Tirunelveli in the year 2007.

MCA from the Manonmanium Sundaranar University, Tirunelveli in the year 2003.

M.Sc in Mathematics from the Manonmanium Sundaranar University, Tirunelveli in the year 1994.

PROFESSIONAL EXPERIENCE (14 Years)

June 2012 – Till date   **Head of the Department** of MCA, St. Xavier's College, Palayamkottai, Tamil Nadu.

March 2018 - till date   **Associate Professor** in the Dept. of MCA, St. Xavier's College, Palayamkottai, Tamil Nadu.

July 2004 – Feb. 2018   **Asst. Professor** in the Dept. of MCA, St. Xavier's College, Palayamkottai, Tamil Nadu.

2014 – 2016   **Placement Officer**, St. Xavier's College, Palayamkottai, Tamil Nadu

PATENTS:

1. **COMPACT MULTIFUNCTIONAL SMART LAPTOP, 2018**; India Patent; Patent Number: ALP201834, Published on 26th January 2018.

2. **A DEVICE FOR DETECTING SYNTHETIC FOOD INCREDIENTS**, 2018; India Patent; Patent Number:ALP201840, Published on 5th October 2018

3. **SMART SEAT BELT SAFETY INDICATION IN CABS,** 2019; India Patent; Patent Application Number:201941005202, Published on 15th February 2019.

4. **EXOSKELETON HAND FOR STROKE SURVIVORS REHABILITATION,**2019; India Patent; Patent Application Number:201941007778, Published on 8th March 2019.

5. **SMART FOOD STORAGE SYSTEM,** 2019; India Patent; Patent Application Number:201941013595A, Published on 26th April 2019.

6. **CROP DISEASE DETECTION AND MONITORING SYSTEM,**2019; India Patent; Patent Application Number:201941015722A, Published on 26th April 2019.

7. **DESIGN AND FABRICATION OF MEDICINE DELIVERY ROBOTS FOR HOSPITALS,** Sep.2019; India Patent; Patent Application Number:201941033958A, Published on 20th September 2019.

8. **A SYSTEM AND METHOD OF INTERNET OF THINGS BASED INTELLIGENCE CREENHOUSE SURVIVING SYSTEM WITH CLOUD COMPUTING SYSTEM,** Sep.2019; India Patent; Patent Application Number:201941033012A, Published on 20th Sep. 2019.

9. **A METHOD AND DEVICE: REAL TIME MONITORING OF PATIENTS**, Nov.2019;India Patent; Patent Application No.:201941044451A, Published on 15th November 2019.

10. **INTELLIGENT SENSOR BASED MONITORING SYSTEM FOR UNDERWATER POLLUTION**, Nov.2019;India Patent; Patent Application No.:201941034731A, Published on 15th November 2019.

AWARDS RECEIVED:

1. **YOUNG SCIENTIST AWARD , AUGUST 2019 (INTERNATIONAL)** by Vedant Academy, Kasetsart University, Chatuchak, Bangkok, Thailand.

2. **BEST RESEARCHER IN COMPUTER SCIENCE, MAY 2019 (INTERNATIONAL)** by Vedant Academy, Kasetsart University, Chatuchak, Bangkok, Thailand.

3. **DISTINGUISHED RESEARCHER IN COMPUTER APPLICATIONS AWARD ' August,18 (INTERNATIONAL)** by Research Under Literal Access accredited with Idamas Learning and Training Center, Malaysia

4. **BEST RESEARCHER AWARD** (April 2018), St. Xavier's College, Palayamkottai.

4. **INNOVATIVE RESEARCH AND DEDICATED ACADEMICIAN AWARD**(March 2018**),** The Society of Innovative Educationalist & Scientific Research Professional, New Delhi accredited with ISRP, Malaysia

5. **BEST RESEARCHER AWARD** (March 2016), St. Xavier's College, Palayamkottai.

6. **BEST RESEARCHER AWARD** (March 2015), St. Xavier's College, Palayamkottai.

7. **BEST RESEARCHER AWARD** (March 2013), St. Xavier's College, Palayamkottai.

8. **BEST RESEARCHER AWARD** (March 2012), St. Xavier's College, Palayamkottai.

9. **BEST RESEARCHER AWARD** (March 2011), St. Xavier's College, Palayamkottai.

10. **AWARD OF EXCELLENCE** (March 2010) in the International Conference at Noorul Islam University, Thuckalai.

11. **BEST PAPER AWARD** (Feb. 2010) in the International Conference at Sun Engineering College, Nagercoil.

FACULTY DEVELOPMENT PROGRAM

Sl.No.	Title of the Programme	Venue	Date
1	Creative Thinking by ICT Academy of Tamil Nadu	Noorul Islam Center of Higher Education, Nagercoil	11th and 12th February 2019
2	Emotional Intelligece and innovation in the Context of Industry 4.0	ICFAI Business School	7th August 2019

LIFETIME MEMBERSHIP IN PROFESSIONAL BODIES:

1. Innovative Scientific Research Professional(India Chapter), Malaysia

2. International Journal of Research under Literal Access accredited with Idamas Learning and Training Center, Malaysia

RESOURCE PERSONS FOR SEMINAR & CONFERENCE:

Sl.No.	Title of the Programme	Venue	Date
1	Session chair at the International Conference on Recent Advancements in Information Technology, Science & Engineering	APC Mahalakshmi College, Tuticorin	14th and 15th December 2017
2.	Jury Panel in ICTACT Youth Leadership Seminar 2014 organized by ICT Academy of Tamil Nadu	Francis Xavier Engineer College, Tirunelveli	17 Aug. 2014

RESEARCH GUIDE:

S.No	Department	Name of the University
1	Computer Science	Manonmanium Sundaranar University, Tirunelveli

PROJECT GUIDANCE:

Degree	Guided	Guiding
Ph.D	2	6
M.Phil	6	-
MCA	68	4
M.Sc(Comp. Sci)	35	-

PUBLICATION OF BOOKS:

S.No	Title	Year / ISBN	Publisher
1.	PHP for beginners	2009; ISBN:978-81-907863-8-6	Thozalamai publications, Chennai
2	XML–An Practical approach	2011;ISBN:978-81-907863-9-3	Thozalamai publications, Chennai
3	Everything in HTML	2012;ISBN:978-81-873284-2-7	Einstein publications, Chennai
4	C Simpler: How to Program	2018:ISBN:978-8-19078-642-3	Educreation Publishing, Bilaspur, Chhattisgarh

PUBLICATION OF PAPERS IN THE INTERNATIONAL JOURNALS:

S.No	Title of the Paper	Name of the Journal	Year
1.	Usage of Energy Efficient Sensor Nodes on Wearable Device for fall and Child Abduction Detection	International Journal of Engineering and Advanced Technology	Vol.9(1), pp.6482-6485; Oct.2019; ISSN.2249-8958
2.	Cluster Interfaced Objective Function for Decision Tree Classifiers for Mining Data with Uncertainty	International Journal of Innovative Technology and Exploring Engineering	Vol..8.No,6S4, pp1554-1559 April 2019; ISSN:2278-3075.
3.	Enhancement of Scalable Access Control Mechanism in Grid Computing	International Journal of Research and Analytical Reviews	Vol.6.No.1, Jan. 2019; pp.972-976 ISSN-2349-5138

4	Optimization of Dynamic Access Control Mechanism in Grid Computing	International Journal of Management, Technology and Engineering	Vol.IX,No.1, Jan. 2019; pp.1669-1678; ISSN-2249-7455
5	Unification of Scalable and Dynamic Access Control Mechanism in Grid Computing	Journal of Emerging Technologies and Innovative Research	Vol.6;No.1, Jan.2019; pp.329-337 ISSN-2349-5162
6	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
7	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
8	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
9	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
10	Breast Cancer Diagnosis Based On Feature Extraction By Hybrid Of K-Means And Extreme Learning Machine Algorithms	ARPN Journal of Engineering and Applied Sciences	Vol. 11, No. 7, April 2016; pp. 4581-4586; ISSN 1819-6608
11	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
12	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
13	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
14	Image Mining with CBIR	International Journal of Computer Science and Mobile Computing	Vol.4, Issue-3, Mar.2015; pp.12.15; ISSN: 2320-088X
15	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
16	Face Recognition System based on face models and LBP	Int. Journal of Advanced Research in Computer Engineering & Technology	Vol.4.,Issue-2, Feb.2015, pp.380-382;ISSN: 2278-1323
17	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
18	Secure Protocol for MANET based on Pseudonomity	International Journal of Computer Science and Mobile Computing	Vol.3, Issue-11, Nov.2014; pp.207-211; ISSN: 2320-088X
19	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
20	Cluster Interfaced Objective Function for Decision Tree for Mining Data	Elsevier Publications	April 2014, pp.140-145; ISSN:0022-0000
21	Identification of the Degree of participation based on HMM	*International journal of Computer Science and Mobile computing*	Vol.3(4), 2014, pp.1-6 ISSN: 2320-088X
22	A Survey on Text based Clustering	*Int. journal of Computer Science and Mobile computing*	Vol. 3(3), 2014, pp.332 – 335 ISSN: 2320-088X
23	A Novel Automated Methodology for Spam Detection in Facebook	*Int. J. Emerging Tech. in Computer Sci., & Electronics*	Vol.5(1), 2014, pp.8-11; ISSN: 0976 – 1353
24	An Enhanced Model for achieving high throughput using variant buffer size methodology	*Global Journal of Computer Applications and Technology*	Vol. 3(1), 2013, pp.1203-1206. ISSN: 0975-4172
25	Flexible Pricing Scheme for a Cloud Cache	Int. Journal of Computer Information Systems	Vol. 6(2), 2013,pp.28-30; ISSN:2150-7988.
26	Graph based User Interacted Medical Image segmentation with multi threshold using K-means clustering	Advances in Computational Sciences and Technology (ACST)	Vol.2, No.3, 2013, pp.48-54; ISSN: 0973-6107
27	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

28	An Efficient divisive-agglomerative hierarchical clustering algorithm using minimum spanning tree	*Journal of Discrete Mathematical Sciences & Cryptography*	Vol.14(2011), No.6. pp. 583-595; ISSN: 09720529
29	Detection of Outlier-communities using Minimum spanning Tree	*Journal of Emerging Trends in Computing and Information Sciences*	Vol.2,No.11, (2011) pp. 608-614; ISSN2079-8407
30	Meta clusters through minimum spanning tree based clustering for performance analysis of students	*Journal of Discrete Mathematical Sciences & Cryptography*	Vol.14(2011),No.4, pp.349-367; ISSN, 09720529
31	Data cleaning through Minimum Spanning Tree for Data Mining	*Global Journal Theoretical and Applied Math. Sciences*	Vol. 1, No 2, pp.141-148, 2011. ISSN : 2248-9916
32	A New Approach for Local Outliers Detection using Minimum Spanning Tree based clustering	*Int. Journal of Computational and Applied Mathematics*	Vol. 6, No.1, pp.133-148, 2011. ISSN: 1819-4966
33	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
34	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
35	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
36	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
37	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
38	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

PAPERS PRESENTED IN THE NATIONAL / INTERNATIONAL CONFERENCES:

S.No	Name of the Institution	Title of the Paper	National / International and Year
1	MEPCO Engg. College, Sivakasi	A Spatio Temporal HDBSCAN Based Clustering and its Application for finding Potential fishing Zones using Oceanographic Parameters	Int. Conf. on Recent Advancement in Electrical,Electronicws, Computer and Communication Engg. 5-7th Dec. 2019.
2	MEPCO Engg. College, Sivakasi	Red Lesion Detection in Fundus Images	Int. Conf. on Recent Advancement in Electrical,Electronicws, Computer and Communication Engg., 5-7th Dec. 2019.
3	Saradha College, Tirunelveli	The Survey Prediction of Potential Fishing Zone	Int. Conf. on Recent Trends in Adv. Comp. and its Applications, 23rd Feb. 2019.
4.	Loyola College (Autonomous), Chennai	Knowledge Discovery in Image Data Mining technology of Multimedia	International conference on Computing Sciences, 16,17th Nov.2018.
5	Einsteen College of Engg., Tirunelveli	An efficient data cleaning through minimum spanning tree for data mining	National conference on Crypt Analysis Techniques in Computer Hacking, 18th & 19th Feb. 2011
6	Aarupadai veedu Institute of tech., Chennai	Discrete Wavelet Transformation in dual Water Marking	Nat. conf. on VLSI, Embedded sys., Signal processing and communication, April 2010
7	Noorul Islam University, Thucklay	Adaptive wavelet thresholding for Image Denoising in digital Mammographic Images	International Conference on ETES 26th and 27th March 2010
8	Sun Engg. College, Nagercoil	Effect of Median Filter in point detection from noised image	Int. Conference on Intelligent sci. and tech, 18th and 19th Feb 2010.
9	Thiagarajar School of Management, Madurai	An Analytical study on tools of Network Security and Firewalls	National Conference of ETBSIS, 12th Feb. 2010

SEMINARS/ CONFERENCES/WORKSHOPS ATTENDED:

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

RESOURCE PERSON:

1. **University Nominee** of BOS in STC College, Tirunelveli (2019-2022)
2. **University Nominee** of BOS in Sri Parasakthi College, Courtalam (2019-2022)
3. Member of **Board of Studies** in Sadakathulla appa College(Autonomous), Tirunelveli (2018-2020).
4. Member of **Board of Studies** in Saradha College, Tirunelveli (2018-2020).
5. Member of **Board of Studies** in STC College, Tirunelveli (2014-2016).
6. Member of **Academic audit** in E.M.G.Yadava Women's College, Madurai (2014-2015).

EXTERNAL EXAMINER (Practical / Paper valuation):

1. SASTRA University, Thanjavur
2. Ayya Nadar Janaki Ammal College, Sivakasi.
3. St. Mary's College, Thoothukudi.
4. H.H. Raja's Govt College, Pudukottai.
5. Sri Parasakthi College, Courtallam.
6. Sadakathullah Appa College, Tirunelveli.
7. Manonmanium Sundaranar Univeristy, Tirunelveli.

PERSONAL PROFILE:

Father's Name   :   A. Subramanian

Permanent Address   :   27, Venkatesh Nagar
                                NGO 'A' Colony, Tirunelveli 627 007
                                Tamil Nadu, India

Date of Birth   :   04 – April – 1972

Religion	:	Hindu
Gender	**:**	Male
Marital Status	**:**	Married
Passport Number	:	R4718185

DECLARATION:

    I hereby declare that the above particulars are true to the best of my knowledge and belief.

Place: Palayamkottai   *SIGNATURE*