DR. A. SENTHILRAJAN
Professor and Head

Contact

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Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D.	Alagappa University	2013	Computer Science	Awarded
M.Phil.	Alagappa University	2007	Computer Science	First
M.Sc.	Alagappa University	2011	Information Technology	First
BE	Bangalore University	1996	Computer Science	Second

Teaching Experience

Total Teaching Experience   :   26   Years

Position	Institution	Duration
Registrar	Alagappa University	December 2023 -Till date*
Professor and HOD	Department. of Computational Logistics, Alagappa University	June 2022 - December 2023
Professor		March 2016 -Till date*
Director	Computer Centre, Alagappa University	March 2013 - January 2018
Associate Professor	Jyothi Nivas PG College	August 2003 - March 2013
Lecturer	Jyothi Nivas Degree College	June 1998 -July 2003

Research Experience

Total Research Experience   :   11 Years

Position	Institution / University	Duration
Registrar	Alagappa University	December 2023- Till date*
Professor and Head	Department of Computational Logistics	June 2022-December 2023
Professor		June 2018- June 2022
Professor	Computer Centre, Alagappa University	March 2016-June 2018
Associate Professor		November 2013 – March 2016

Academic and Additional Responsibilities

S. No	Position	UniversityBodies	Period	
			From	**To**
1	Director	Online Programme	2023	2023
2	Technical Director	Online Programmes	2022	2023
3	Director	Management Information System (MIS)	2019	2023
4	Technical member	Purchase committee which acquires computers, printers through GEM portal	2016	-*
5	Convener	E-Waste disposable committee	2014	-*
6	Director	Computer Centre	2013	2018

Areas of Research

- **Image Processing**
- **Machine Leaning**
- **Network Security**
- **Parallel Processing**
- **Mobile Computing**
- **Data Analytics**

Patents Filed

- **Patent Office Journal No.10/2023 Dated 10.03.2023**
- **Patent Granted No.202121030563 Dated 06.08.2021**
- **Patent Granted No.2021103608 Dated 25.05.2022**
- **Patent Granted No.202231027209 Dated 10.06.2022**
- **Patent Granted No.202231029303 Dated 21.05.2022**

Research Supervision/Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	06	05
	M.Phil.	07	-
Project	PG	156	-
	UG/ Others	110	-

Publications

International		National		Others
Journals	**Conferences**	**Journals**	**Conferences**	**Books/Chapters/Monographs/Manuals**
60	**32**	**10**	**23**	**04**

h-index : 07
i10 index : 04
TotalCitations : 142

Funded Research Projects

Ongoing Projects:

S. No	Agency	Period		ProjectTitle	Budget (Rs. in lakhs)
		From	**To**		
1.	RUSA 2.0 Theme Based Research Project	April 2019	-*	Cloud Data Security in Information Technology Hubs	24

Consultancy Projects:

S. No	Agency	Period		Project Title	Budget (Rs. in lakhs)
		From	**To**		
1	Tamilnadu Teachers Education University,Chen	April 2022 -March 2023		University Automation	2,00,000+18% GST

	nai		
2	Mother Teresa Women's University,Kodaikanal		COE Automation	1,00,000+18% GST

Start-up:

S. No	Research Supervisor	Name of the Scholars/Student	Title of the Proposal
1	Dr. A. Senthilrajan	Ananth Murugan	AL & DVL Enterprise
2		K. Siva	Alagu & DCL Enterprise

Distinctive Achievements / Awards

- Nominee for world who's who book for year 2008 and 2009
- IMRF Excellence Awards – 2021 Received Letter of Appreciation Certificate for Cultural Club Coordinator in Alagappa University

Events organized in leading roles

Number of Seminars /Conferences /Workshops/ Events organized: 6

Position	Programme	Duration	Institution
Organizing Secretary	International Conference on Innovative Trends in IT	Nov 9-10, 2023	Department of Computational Logistics Alagappa University
Organizing Secretary	National Level Conference on Technovation 2K19	Oct 14-15, 2019	Department of Computational Logistics Alagappa University
Organizing Secretary	International Conference	Aug 8-9, 2019	Department of

	on Computational Intelligence and Applications		Computational Logistics Alagappa University
Convenor	Organized two days IT Skill Show International Conference on Advancements in Computing Resources (SSICACR – 2017)	Feb 15-16, 2017	Skill Development Alagappa University
Co-Ordinator	A Seven day Workshop on Mobile Application Development	May 9-15, 2016	Alagappa University
Convenor	Organized Seven-day Workshop on Image Processing	Mar 3-9, 2014	Alagappa University
Convenor	Organized international Conference on Computing and Information Technology	Sep 23-24, 2013	Alagappa University
Convenor	Organized National conference on Information computing and Management challenges in contemporary business	Aug 21-22, 2011	Jyothi Nivas PG College
Convenor	Organized National conference on Information Technology and Business management	Oct 30-31, 2009	Jyothi Nivas PG College
Convenor	Organized National level Conference on Artificial Intelligence and Parallel computing	Sep 8-9, 2006	Jyothi Nivas PG College

Events Participated

Number of Conferences/Seminars/Workshops   : 60

Number of Seminars organized   : 04

Number of Events organized   : 08

Number of Invited/ Special Lectures delivered   : 17

Overseas Exposure/Visits

Dec 15-16, 2022	Vietnam- Paper Presented
Dec 13-14, 2019	Build Bright University, Cambodia- Chairperson
Aug 22-24, 2019	France- Paper Presented
Oct 27-28, 2018	Rome, Italy- Paper Presented
Dec 5-7, 2017	Seoul, South Korea- Chairperson
Dec 6-8, 2016	Tokyo, Japan- Chairperson
Nov 2-6, 2015	Pattaya, Thailand- Invited Talk
Oct 22-24, 2014	San Francisco, USA- Chairperson
Jul 4-6,2012	London, UK – Chairperson
Aug 22-23, 2012	Sri Lanka- Paper Presented
Nov, 2011	Beijing, China – Chairperson
Oct, 2010	Beijing, China – Chairperson
Mar 17-19, 2010	Hong Kong – Chairperson
May 15-17, 2009	Singapore– Chairperson

Editorial Board

1. IEEE member from 2006 till date.
2. IAENG (International Association of Engineers) member from 2011 till date.
3. IACSIT (International Association of Computer Science and International Tech) from 2009
4. IRED (Institute of Research Engineers and Doctors) Member from 2018
5. Eurasia Research Member from 2018 till date
6. ACM (Association of Computing Machinery) India chapter member from 2020
7. FATER India Member from 2020

Advisory Board

Year/Period	Name of the BoS/Administrative Committee / Academic Committee	Role
09.09.2014	B.Voc., Programmes for Alagappa University	Member
22.04.2013	Department of Life Long Learning	Member
29.02.2016	Advisory Committee in B.Voc., Programmes for Alagappa University	Member

Academic Bodies in Other Institutes / Universities

Year/Period	Name of the BoS/Administrative Committee / Academic Committee	Role
2006-2008	Board of Examiners for UG/PG	BOS Member
24.01.2014	Board of Question Paper Setters	Chairman
25.11.2019	Technical Committee in Periyar University, Salem	Member
10.10.2017	National Data Sharing and Accessibility Policy (NDSAT) for Anna University, Chennai.	Chief Data Officer

Ph.D. Thesis Guided

1. No. of PhD Thesis evaluated : 06

2. No. of PhD Public Viva-voce Examination conducted : 06

S. No	Name of the Scholar	Title of the Thesis	Year of Completion
1	P. Bavithra Matharasi	A Novel Approach to Classify Sentiments in Social Networking Data	2019
2	N. Vijyalakhsmi	Clustering Analysis for the Dataset of Social Media Networking Sites in Big Data	2021
3	N. Gopalakrishnan	An Efficient Scheme for Robust Image Denoising using Probable Non-Local Mean Algorithm	2022
4	M. Sangeetha	Image Resolution Reconstruction in Wavelet Domain	2022
5	Argha Ghosh	Detecting and Preventing Mechanism for Phishing Attacks using Deep Packet Inspection	2023
6	J. Tamilselvan	Multi Legal Documents Summarization Based on Query Relevance Measure and Latent Semantic Analysis	2023

List of Research Articles / Recent Publications

S. No	Authors/ Title of the paper/ Journal	Impact Factor
1	P. Saranya Devi, **A. Senthilrajan** (2023) "An Inquiry of Image Processing in Agriculture to Perceive the Infirmity of Plants using Machine Learning", Journal of Multimedia Tools and Applications, 2024	3.1
2	Argha Ghosh, **A.Senthilrajan**, "Comparison of machine learning techniques for spam detection", Journal of Multimedia Tools and Applications, Springer, Pages: 1-28, 2023.	3.1
3	C. Kaleeswari, K. Kuppusamy and **A. Senthilrajan** (2023) "Performance analysis of samplers and calibrators with various classifiers for asymmetric hydrological data". International Journal of Advanced Technology and Engineering Exploration, Vol 10 (107), Nov. 2023, ISSN (Print): 2394-5443 ISSN (Online): 2394-7454.	1.217
4	Rahul, B., Kuppusamy, K. & **A. Senthilrajan**, "Dynamic DNA cryptography-based image encryption scheme using multiple chaotic maps and SHA-256 hash function", Optik, Elsevier Journal, Vol.289, October 2023, pp 171253, ISSN 0030-4026.	3.1
5	B. Rahul, K. Kuppusamy and **A. Senthilrajan** (2023) "Bio-Metric Based Colour-Image-Encryption using Multi-Chaotic Dynamical Systems and SHA-256 Hash algorithm", Information Security Journal: A Global Perspective, Taylor & Francis Publications, June 2023, pp.	3.8
6	Kaleeswari C, Kuppusamy K and **Senthilrajan A**, "A Hybrid Approach for Forecasting the Technical Anomalies in Sensor-based Water Quality Distribution Data," Proceedings of International Conference on Power, Instrumentation, Energy and Control (PIECON), Aligarh, India, IEEE Explore, IEEE Publisher April 2023, pp. 1-5.	3.557

7	Rahul, B., Kuppusamy, K. & **Senthilrajan, A**. "Chaos-based audio encryption algorithm using biometric image and SHA-256 hash algorithm", Multimedia Tools Applications, Vol.82, Issue 28, pp 43729–43758 April 2023, Springer United States.	3.6
8	Argha Ghosh, **A. Senthilrajan**, "A Modified Naïve Bayes Classifier for Detecting Spam E-mails based on Feature Selection", IEEE 2022 6th International Conference on Intelligent Computing and Control Systems (ICICCS), Pages: 1634-1641, 2022.	
9	P. Siva Prased, **A. Senthilrajan**, "A Novel CNN-KNN based Hybrid Method for Plant Classification", Journal of Algebraic Statistics, Vol:13, Page:498-502, 2022.	0.8
10	C.Kaleeswari, K. Kuppusamy and **A. Senthilrajan** (2022) "Regression Analysis and Correlation analysis for Prediction of Environmental Quality". NeuroQuantology, Vol.20, Issue 19, pp 2314-2322, December 2022.	1.00
11	Sangeetha Muthiah, **A. Senthilrajan**, "Correlative Study of Image Magnification Techniques", Presented in "International Conference on Sustainable Expert System (ICSES 2020)", Springer, Lecture Notes in networks and Systems, Vol – 176, ISSN: 2367- 3370, Page: 199-208, 2021.	
12	Ramakrishnan, **A. Senthilrajan**, "Network Attack Detection with QNNBADT in Minimal Response Time using Minimized Features" Presented in 4th International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT 2021), 2021.	
13	P. Siva Prased, A**. Senthilrajan**," An Adaptive Boosting Approach for Plant Classification through Deep CNN", International Journal of Research Publication and Reviews Vol-2, ISSN 2582-7421, Page: 1-4, 2021	1.34

14	Marina.B, **A. Senthilrajan**, "Predicting the Performance in Learning and Recommendations to Improve Hearing Impaired Students in Special Education", Design Engineering, ISSN: 0011-9342 , Page: 1316-1330, 2021	0.10
15	P. Siva Prased, **A. Senthilrajan**, "Leaf Features Extraction for Plant Classification using CNN", International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Vol-2, ISSN: 2581-9429, Page: 148-154, 2021.	1.32
16	J.Tamilselvan, **A. Senthilrajan**, "Odnn: An Automatic Optimized Deep Neural Network Based Multi-Document Summarization", Design Engineering, Page: 1452- 1464, 2021.	0.10
17	P. Siva Prased, **A. Senthilrajan**, "An Incremental Learning Method for Classification of Plant Leaves Using Deep Learning", Advances and Applications in Mathematical Sciences, Vol-20, Page:2607-2611, 2021	1.07
18	P. Siva Prased, **A. Senthilrajan**, "An Efficient Approach for Identification of Multi-plant Disease Using Image Processing Technique", 4th International Conference on Computer Networks, Big Data and IoT-ICCBI 2021, Page:317-325, 2021	
19	Sangeetha Muthiah, **A. Senthilrajan**, "Resolution Reconstruction Using Patch-Match And Wavelet Decomposition", Presented in "International Conference on Intelligent Computing and Control Systems (ICICCS)", IEEE, Lecture Notes in networks and Systems, Vol – 176, ISSN: 2367-3370, Page: 199-208, 2021. Scopus Indexed	
20	N.Vijyayalakshmi, **A. Senthilrajan**, "A Unified Framework of Sentimental Analysis for Online Product Reviews Using Genetic Fuzzy Clustering with Classification", International Journal of Scientific & Technology Research Vol – 9, Issue – 03, ISSN: 2277- 8616, Page: 6433-6438, 2020.	0.96

21	N.Vijyayalakshmi, **A. Senthilrajan**, "Very Deep Convolutional Neural Network Based Sarcasm Sentiment Detection and Classification Model on Twitter", Jour of Adv Research in Dynamical & Control Systems, Vol. 12, 01-Special Issue, 2020.	1.43
22	**A. Senthilrajan,** "A Heuristic Fuzzy Algorithm for Hardware Engineers Assignment in University Sectors", Springer Nature at Universite Cote d"Azur, France October 27-28, 2019.	
23	Argha Ghosh, **A. Senthilrajan**, "Research On Packet Inspection Techniques", International Journal of Scientific & Technology Research" Vol – 8, Issue: 11, ISSN: 2277- 8616, Page: 2068-2073, 2019.	0.96
24	Argha Ghosh, **A. Senthilrajan**, "Classify Network Traffic using DPI and DFI", International Journal of Scientific & Technology Research" Vol – 8, Issue: 11, ISSN: 2277- 8616, Page: 3983-3988, 2019.	0.96
25	Argha Ghosh, **A. Senthilrajan**, "An Approach for Detecting Spear Phishing using Deep Packet Inspection and Deep Flow Inspection", Elseiver- Social Science Research Network (SSRN) Library", ISSN: 1556-5068, 2019.	
26	Argha Ghosh, **A. Senthilrajan**, "An Approach for Detecting Man-In-The-Middle Attack using DPI and DFI", Springer LNDECT 49- 2020", ISSN: 2367-4512, 2019.	
27	Sangeetha Muthiah, **A. Senthilrajan**, "Implementing Various Noise Reduction Filters on Infected Coconut Images", International Journal of innovative Technology and Exploring Engineering, Vol – 8, ISSN: 2278-3075, Page: 3675-3678, 2019.	0.67
28	Sangeetha Muthiah, **A. Senthilrajan**, "Agro Image Denoising (AID) for Enhanced Agricultural Images on Infected Coconut Images", International Journal of Engineering and Advanced Technology, Vol – 8, ISSN: 2249-	0.89

	8958, Page: 2474-2478, 2019.	
29	P. Siva Prased, **A. Senthilrajan**, "Amalgamate Classification of Plant using Deep Learning", International Journal of Scientific & Technology Research" Vol – 9, ISSN: 2277-8616, Page: 5759-5761, 2019.	0.96
30	J.Tamilselvan, **A. Senthilrajan**, "Adding text document to cluster based on the similarity measures", in International conference on Advances in Computer Science and Technology (ICACSET'18) held during January 19-20, 2018 at Kalasalingam Academy of Research and Education, Krishnankoil.	
31	**A. Senthilrajan**, "Multimedia Cloud Computing for Agriculture", in International Multi - Conference on Computing, Communication, Electrical & Nanotechnology (I2CN-2K18) at Kottayam, Kerala on April 26-27, 2018.	
32	**A. Senthilrajan**, "Segmentation Chick's Image Using Artificial Neural Network", in International Conference on Computing, Communication and Information Technology (CCIT 2018) at Rome, Italy on October 27-28, 2018.	
33	Bavithra Matharasi, **A. Senthilrajan**, "Sentiment Analysis using a Novel approach to classify sentiments in social networking data", International Journal of Advanced Research in Computer Science, Vol – 9, ISSN: 0976-5697, Page: 297-301, 2018.	1.54

Resource persons in various capacities

National Conferences   :   01

International Conferences   :   11

Invited Lectures   :   07

Dr A. Senthilrajan

Professor of Computational Logistics

Presently Registrar,

Alagappa University, Tamil Nadu