Dr. V. PALANISAMY
Senior Professor and Head

Contact

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Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D	Alagappa University, Karaikudi	2005	Computer Science	Commended
M.Tech	Bharathidasan University, Thiruchirappalli	2011	Information Technology	First Class with A+ Grade
MCA	Alagappa University, Karaikudi	1990	Computer Applications	First Class

Teaching Experience

Total Teaching Experience   :   33 Years

Position	Institution	Duration
Senior Professor	Department of Computer Applications	2019 to Till date (5 years)
Professor	Department of Computer Science & Engineering, Alagappa University	2009 to 2019 (10 years)
Associate Professor	Department of Computer Science & Engineering, Alagappa University	2006 to 2009 (3 years)
Reader	Department of Computer Science & Engineering, Alagappa University	2005 to 2006 (1 year)
Lecturer(SG)	Department of Computer Science & Engineering, Alagappa University	2003 to 2005 (1 year)
Lecturer(SS)	Department of Computer Science & Engineering, Alagappa University	1998 to 2003 5 years
Lecturer	Department of Computer Science & Engineering, Alagappa University	1995 to 1998 (3 years)
Lecturer	A.V.V.M.SriPushpam College, Poondi, Thanjavur	1990 to 1995 (4 years)

Research Experience

Total Research Experience   :   29 Years

Position	Institution	Duration
Senior Professor	Department of Computer Applications	2019 to Till date (5 years)
Professor	Department of Computer Science & Engineering, Alagappa University	2009 to 2019 (10 years)
Associate Professor	Department of Computer Science & Engineering, Alagappa University	2006 to 2009 (3 years)
Reader	Department of Computer Science & Engineering, Alagappa University	2005 to 2006

		(1 year)
Lecturer(SG)	Department of Computer Science & Engineering, Alagappa University	2003 to 2005 (1 year)
Lecturer(SS)	Department of Computer Science & Engineering, Alagappa University	1998 to 2003 5 years
Lecturer	Department of Computer Science & Engineering, Alagappa University	1995 to 1998 (3 years)

Academic and Additional Responsibilities

S.No	Position	University/Institutions	Period	
			From	To
1	Member of the Syndicate	Alagappa University, Karaikudi	2022	Till date
2	Chairperson, Board of Studies in Computer Science(UG,PG)	Alagappa University, Karaikudi	28-04-2015	Till date
3	Member of Professional / Academic Bodies – Research Advisory Committee Member	Alagappa University, Karaikudi	07-08-2013	05-01-2015
4	Head of the Department, Department of Computer Science and Engineering, Computer Applications.	Alagappa University, Karaikudi	24-11-2012	Till date
5	Member, Board of Studies	Alagappa University, Karaikudi	01-12-2008	Till date
6	Member of Academic Council – Standing Committee on Academic Affairs (SCAA).	Alagappa University, Karaikudi	01-12-2008	Till date
7	Chairperson, School of Computer Science	Alagappa University, Karaikudi.	01-12-2008	23-06-2016
8	Head i/c, Department of Computer Science and Engineering.	Alagappa University, Karaikudi	01-12-2008	23-11-2012
9	Chairman, Board of Studies	Alagappa University, Karaikudi	01-12-2008	Till date

Areas of Research

- Network Security
- Data mining
- Ad-Hoc Networks
- Biometrics
- Algorithms
- Machine Learning
- Internet of Things

Research Supervision/Guidance

Program of Study		Completed	Ongoing
Research	Ph.D	11	6
	M.Phil	36	-
Project	PG	265	8

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals
92	40	12	22	34

Cumulative Impact Factor(as per JCR) : 3.35

h-index : 14

i10 index : 25

Total Citations : 871

Ph.D. Thesis Evaluated / Viva Voce Conducted

No. of PhD Thesis evaluated   :   35

No. of PhD Public Viva Voce   :   33

Examination conducted

Funded Research Projects

Ongoing Projects:

S.No	Agency	Period		ProjectTitle	Budget (Rs.In lakhs)
		From	To		
1	RUSA	1.06.2023 to 2024		Optimization based Personalized Recommender System for e-commerce using Machine Learning Techniques	2
2	RUSA	1.12.2023 to 2024		Multimedia Security using Cloud Environment with OTP Generation	1
3	RUSA	2019 to 2024		Real-Time Object Detection and Recognition in IOT Enabled Surveillance Systems	4.75
4	RUSA	2022 to 2024		Real-Time Object Detection and Recognition in IOT Enabled Surveillance Systems	1.4

Completed Projects:

S.No	Agency	Period		ProjectTitle	Budget (Rs.In lakhs)
		From	To		
1	ResearchAward	2015	2022	Biometric Based security in E-Voting	44.45
2	NTRO New Delhi	July 2007	Aug 2012	Collaborative Directed Basic Research in Smart and Secure Environment	100

Distinctive Achievements / Awards

S. No.	Name of Award (or) Fellowship	Awarded by	Year of Award
1	Dr. APJ Abdul Kalam Award for Life Time Contribution in Teaching	Marina Labs, Chennai	2023
2	Dr. APJ Abdul Kalam Award for Life Time Contribution in Research	Marina Labs, Chennai	2023
3	Certificate of Commemoration and Award of Cash incentive Rs 2000/-	Alagappa University	2020
4	Certificate of Appreciation	Alagappa University	2020
5	Letter of Appreciation	Alagappa University	2018
6	Appreciation Award in recognition of having received Research Award	Alagappa University	2017
7	Best Research Paper Award	Editor-in-chief WWW.ijartet.com	2016
8	UGC-Research Award	UGC, New Delhi	2016
9	Certificate of Appreciation	Tamil Nadu State Aids Control society and State Blood Transfusion council	2010
10	Certificate of Appreciation	Tamil Nadu State Aids Control society and State Blood Transfusion council	2005
11	Prof.M. N. Gopalan Award for Best Thesis in the area of Operation Research	IISc, Bangalore	2005

Events organized in leading roles

Number of Seminars /Conferences /Workshops/ Events organized:

Position	Programme	Duration	Institution
Convener	Two Days Workshop on Current Career Opportunities for Data Science and Micro Services in IT Sector	March 16 & 17, 2023	Alagappa University
Convener	One Day National Seminar on Artificial Intelligence in Healthcare Diagnosis and Beyond	October 20, 2023	Alagappa University

Convener	One Day Workshop on Technology Integration for Smart Environment	May 6, 2022	Alagappa University
Chairperson	2nd International Conference on Mathematical Modelling and Computational Methods in Science And Engineering	January 22-24, 2020	Alagappa University
Chairperson	2nd International Conference on Mathematical Modelling and Computational Methods in Science And Engineering	January 22-24, 2020	Alagappa University
Chairperson, Reviewer	International Conference on Computational Sciences	October 23 & 24, 2019	Alagappa University
Chairperson, Reviewer	International Conference on Computational Intelligence and Applications	August 8&9,2019	Alagappa University
Chairperson, Reviewer	International Conference on Computational Sciences	October 23 & 24, 2019	Alagappa University
Chairperson, Reviewer	International Conference on Computational Intelligence and Applications	August 8&9,2019	Alagappa University
Advisory Committee Member/Reviewer	National Conference on Recent Research Trends in Computer Science	November 4,2019	Alagappa University
Convener	National Conference on Recent Research Trends in Computer Science	November 4,2019	Alagappa University
Convener	Two days Short Term Training Programme on Mobile Apps	April 4&5, 2019	Alagappa University
Advisory Committee Member/Reviewer	National Conference on Recent Research Trends in Computer Science	November 4,2019	Alagappa University
Convener	National Conference on Recent Research Trends in Computer Science	November 4,2019	Alagappa University
Convener	Two days Short Term Training Programme on Mobile Apps	April 4&5, 2019	Alagappa University
Convener	Two days National Seminar on Recent Research Trends and Developments in Computer Science	Mar 8&9,2018	Alagappa University

Convener	Two days Short Term Training Programme on Hands on Training in Computer Networks and R Programming	January 31 &February 1, 2018	Alagappa University
Convener	Two days National Seminar on Recent Research Trends and Developments in Computer Science	Mar 8&9,2018	Alagappa University
Convener	Two days Short Term Training Programme on Hands on Training in Computer Networks and R Programming	January 31 &February 1, 2018	Alagappa University
Jurie	National Conference on Emerging Trends in Computing	March 13 & 14,2017	Alagappa University
Chairperson	International Conference on Mathematical Modelling and Computational Methods in Science And Engineering	February 20-22,2017	Alagappa University
Convener, Chairperson, Reviewer	International Conference on Advancements In Computing Resources	February 15&16,2017	Alagappa University
Convener, Chairperson, Reviewer	International Conference on Advancements In Computing Resources	February 15&16,2017	Alagappa University
Jurie	National Conference on Emerging Trends in Computing	March 13 & 14,2017	Alagappa University
Convener	National Seminar on Recent Developments in Computer Networks	November 7&8,2016	Alagappa University
Chairperson	National Conference on Emerging Trends in Software Development	March 24,2016	Alagappa University
Chairperson, Reviewer	International Conference on Innovations in Computer Science & Technology	April 4&5,2016	Alagappa University
Chairperson, Reviewer	International Conference on Innovations in Computer Science & Technology	April 4&5,2016	Alagappa University
Convener	National Seminar on Recent Developments in Computer Networks	November 7&8,2016	Alagappa University
Chairperson	National Conference on	March 24,2016	Alagappa University

	Emerging Trends in Software Development		
Chairperson	National Conference on Mining, Internetworking and Data Security	March 27 &28,2014	Alagappa University
Chairperson	National Conference on Mining, Internetworking and Data Security	March 27 & 28,2014	Alagappa University
Chairperson	International Conference on Emerging Trends in Research	April 12,2012	ThassimBeevi Abdul Kader College for Women
Resource Person	International Conference on Emerging Trends in Research	April 12,2012	ThassimBeevi Abdul Kader College for Women
Chairperson	International Conference on Emerging Trends in Research	April 12,2012	ThassimBeevi Abdul Kader College for Women
Resource Person	International Conference on Emerging Trends in Research	April 12,2012	ThassimBeevi Abdul Kader College for Women

Events Participated

Number of Conferences/Seminars/Workshops: 40

Membership

Professional Bodies

S.No	Position	UniversityBodies	Period	
			From	**To**
1	Member of the Syndicate	Alagappa University, Karaikudi	2022	Till date
2	Member of Executive Council – Senate Member	Alagappa University, Karaikudi	2020	Till date
3	Member of Professional / Academic Bodies – Research Advisory Committee Member	Alagappa University, Karaikudi	07-08-2013	05-01-2015

	Member, Board of Studies	Alagappa University, Karaikudi	01-12-2008	Till date
5	Member of Academic Council – Standing Committee on Academic Affairs (SCAA).	Alagappa University, Karaikudi	01-12-2008	Till date

Advisory Board

Year/Period	NameoftheBoS/AdministrativeCommittee / AcademicCommittee	Role
March 24th, 2016	National conference on Emerging Trends in Software Development (NCETSD-2016), Alagappa Institute of Skill Development, Alagappa University, Karaikudi	Advisory committee Member
March 17th and 18th - 2016	International Conference on Communication and Security, (ICCS 2016) Department of Electronics & Communication Engineering Pondicherry Engineering College, Puducherry	Advisory committee Member
March 23, 2015	National conference on Recent Advancements in Software Development (NCRASD-2015) organized by Skill Development centre, Alagappa University, Karaikudi	Advisory committee Member
Oct 17th & 18th -2014	Recent advances in computer and mathematical sciences (RACMS'14) organized by Department of Computer Science & Department of Mathematics, Dr.UmayalRamanathan College for women, Karaikudi	Advisory committee Member

Academic Bodies in Other Institutes/Universities

Year/Period	Name of the BoS/Administrative Committee / Academic Committee	Role
Board of Studies (BoS)		
MCA Regular	Alagappa University	Chairperson
MCA Week end	Alagappa University	Chairperson
MSc Computer science – 2015 and 2015	Alagappa University	Chairperson
M.Tech Computer science	Alagappa University	Member

M.Phil computer science	Alagappa University	Chairperson
Ph.D computer science	Alagappa University	Chairperson
B.Sc computer science – 2014 - 2015	Alagappa University	Chairperson
BCA - 2015	Alagappa University	Chairperson
B.Sc Information Technology	Alagappa University	Chairperson
B.Com Computer Applications	Alagappa University	Member
PGDCA – 2015	Alagappa University	Chairperson
M.Com (CA) – 2015	Alagappa University	Chairperson
M.Sc (CS & IT) - 2015	Alagappa University	Chairperson
BE(CSE) & MCA – 2013 - 2020	AC Govt College of Engg& Tech Karaikudi	Member
Diploma in Cyber Security	Alagappa University	Chairperson
Diploma in Artificial Intelligence and Machine Learning	Alagappa University	Chairperson
Certificate Course in Office Automation	Alagappa University	Chairperson
Post Graduate Diploma in Data Science	Alagappa University	Chairperson
Diploma in Information Security and Post graduate Diploma in Cyber Security.	Alagappa University	Chairperson
Academic Committees		
Chairman - Department Research committee (DRC)	Alagappa University	Chairman
Student admission committee member – ALU	Alagappa University	Member
Chairman-MCA Admission interview committee	Alagappa University	Chairman
Alagappa University alumni association member	Alagappa University	Member

Ph.D. Thesis Guided

1. No. of PhD Thesis evaluated : 11

2. No. of PhD Public Viva Voce Examination conducted : 35

S.No	Name of theScholar	TitleoftheThesis	Year of Completion
1	Dr.L.Sathya	A Framework for Finger Knuckle Print based Biometric Authentication	07.07.2023
2	Dr. J. Nithyapriya	Proactive Security Schemes for MANET	02.09.2022
3	Dr. R. AnandhaJothi	Biometric Based User Authentication Scheme	22.12.2021
4	Dr.S.Lalli	Intrusion Detection Based on Data Mining Techniques in Mobile Ad-Hoc Networks	25.04.2018
5	Dr. Parimala	Efficient Information Retrieval Using Multi type Feature Co selection For Clustering	23-06-2016
6	Dr. Kumar Kombia	Analysis Of Pharmaceutical Compounds Based On Enhanced K-Means Clustering Algorithm	25.01.2016
7	Dr. R. Pandiselvam	Efficient Cluster Based Multi-Source Multicast Routing Protocol In Mobile Ad-Hoc Network	25-03-2015
8	Dr. R. Ramesh Babu	Computer Oriented Algorithm To Solve Multi objective Non–Linear Programming Problem	17-04-2014
9	Dr. S. LaveenVikram	Novel Routing Strategies For Delay And Disruption Tolerant Monitoring Network	10-10-2013
10	Dr. P. Annadurai	Enhanced Secure Group Communication In Mobile Ad Hoc Network	23-10-2013
11	Dr. MuthuKannan	Security Enhancement Techniques in wireless LAN	30-04-2012

List of Research Articles / Recent Publications

S. No	Authors/Titleofthepaper/Journal	Impact Factor

1	Theodore, S.K.A., Gandhi, K.R. &**Palanisamy, V**. A novel lightweight authentication and privacy-preserving protocol for vehicular ad hoc networks. Complex Intell. Syst. 9, 2981–2991 (2023). https://doi.org/10.1007/s40747-021-00562-z	5.8
2	S. Aanjanadevi, S. Aanjankumar, K. R. Ramela and **V. Palanisamy**, "Face Attribute Convolutional Neural Network System for Data Security with Improved Crypto Biometrics", Computer Systems Science & Engineering, Vol. 46 (1), 2023, DOI: http://dx.doi.org/10.32604/csse.2023.031893	4.3
3	G.Thenmozhi and **V.Palanisamy** "An Efficient Missing Data Prediction Technique usingRecursive Reliability-Based Imputation for Collaborative Filtering Recommender System",International Journal of Computer Sciences and Engineering, Vol.11, Issue.2, PP. 8-11, 2023. DOI: https://doi.org/10.26438/ijcse/v11i2.811.	3.802
4	Lakshmanan, S., **Velliyan, P**., Attia, A. et al. Finger knuckle pattern person authentication system based on monogenic and LPQ features, Pattern Analysis and Applications 25, 395–407 (2022). https://doi.org/10.1007/s10044-021-01047-y	3.9
5	Jothi RA, **Palanisamy V** (2022) A robust and efficient fingerprint minutiae extraction in post-processing algorithm. International JournalBiometrics, 14(1):83–97, https://doi.org/10.1504/IJBM.2022.119561	1.5
6	Sukanya, J. ., Gandhi, K. R. ., &**Palanisamy, V**. . (2022). Cluster Based MapReduce Technique for Predicting Heart Disease -: A Modelling Approach. Recent Advances in Mathematical Research and Computer Science Vol. 6, 97–110. https://doi.org/10.9734/bpi/ramrcs/v6/4961F	2.8
7	**V. Palanisamy** G. Tamilarasi, K. Rajiv Gandhi, "Improved hohmomorphic encryption with optimal key generation technique for vanets", Intelligent automation & soft computing, Vol 33 (2), 2022, DOI: http://dx.doi.org/10.32604/iasc.2022.024687	3.0
8	G. Tamilarasi , K. Rajiv Gandhi , **V. Palanisamy**, "Fuzzy Logic Based Clustering with Optimal Lightweight Cryptography for Privacy-Preserving Data Transmission in Vehicular Adhoc Networks", Volume 70 Issue 3, 334-341, 2022, DOI: https://ijettjournal.org/archive/ijett-v70i3p238	1.1
9	Sukanya, J. 1 ; Rajiv Gandhi, K. 2 ; **Palanisamy, V**. "Service Level Agreement Based Big Data Analysis in Healthcare Industry Using Enhanced Parallel Semi Naive Bayes Algorithm with Improved MapReducer", Journal of Computational and Theoretical Nanoscience, Volume 18, Number 3, March 2021, pp. 780-790(11), American Scientific Publishers, DOI: https://doi.org/10.1166/jctn.2021.9650	0.70
10	S Aanjanadevi, S Aanjankumar, N Angayarkanni, S Poonkuntran, P Karthikeyan, P Pradeep Castro, **V Palanisamy** "An Advance Design Engineering Approach for Secure Data Transmission using Fuzzy Extractor with Cryptographic Face Biometric, Design Engineering, pp 8989-8998, 2021.	0.101
11	Ganesan, T., Rajendran, A., **Vellaiyan, P**. (2020). An Efficient Finger Vein Image Enhancement and Pattern Extraction Using CLAHE and Repeated Line Tracking Algorithm. In: Pandian, A., Ntalianis, K., Palanisamy, R. (eds) Intelligent Computing, Information and Control Systems. ICICCS 2019. Advances in Intelligent Systems and Computing, vol 1039. Springer,	-

	Cham. https://doi.org/10.1007/978-3-030-30465-2_76	
12	AnandhaJothi, R., Nithyapriya, J., **Palanisamy, V**., Aanjanadevi, S. (2020). Evaluation of Fingerprint Minutiae on Ridge Structure Using Gabor and Closed Hull Filters. In: Smys, S., Iliyasu, A.M., Bestak, R., Shi, F. (eds) New Trends in Computational Vision and Bio-inspired Computing. ICCVBIC 2018.Springer, Cham. https://doi.org/10.1007/978-3-030-41862-5_65	-
13	G. Thenmozhi , R. AnandhaJothi, **V. Palanisamy**, "Comparative Analysis of Finger Vein Pattern Feature Extraction Techniques: An Overview", Vol.-7(5), 2019, https://doi.org/10.26438/ijcse/v7i5.867872	3.802
14	A Dinesh Kumar, R PandiSelvam, **V Palanisamy**, "Prediction of student performance using hybrid classification", International Journal of Recent Technology and Engineering,Vol 8 (4), 2019, http://dx.doi.org/10.35940/ijrteD8241.118419	-
15	S. Saranya , R. AnandhaJothi , **V. Palanisamy**, "An Review on Ear Recognition Techniques Based On Local Texture Descriptors",International Journal of Computer Sciences and Engineering, Vol 7 (5), 2019, DOI: https://doi.org/10.26438/ijcse/v7i5.15831587	3.802
16	**Palanisamy V**, Rajendran Anandha Jothi, Dr & Aruna, T, "Defeating Jamming Attack in Wireless Ad-Hoc Networks using Puzzle Based Hashing Technique", International Journal on Future Revolution in Computer Science & Communication Engineering, Vol5. 3-8, 2019 DOI: http://www.ijfrcsce.org/index.php/ijfrcsce/article/view/2125	-
17	J Nithyapriya, R AnandhaJothi, **V Palanisamy**, "Security Scheme for MANET Based on Echoing and Path Changing",International Journal of Innovative Science and Research TechnologyVol 3 (10), 2018, https://doi.org/10.38124/ijisrt	7.176
18	R.AnandhaJothi **V.Palanisamy** R.Suganya, "Retina based Authentication for E-Voting System using MDS Algorithm", International journal of advanced research , Ideas and innovations in technology, Vol 4 (6), 2018.	6.078
19	**V. Palanisamy** R. Anandhajothi, "Performance Enhancement of Minutiae Extraction Using Frequency and Spatial Domain Filters", International Journal of Pure and Applied Mathematics, Vol 118 (7), 2018, DOI: http://dx.doi.org/10.12732/ijdea.v12i1.823	7.19
20	**V. Palanisamy** P.Abirami, R. Anandhajothi, "A Survey on Biometric E-Voting System Using Retina", International Journal of Pure and Applied Mathematics, Vol 118 (8), 2018, DOI: http://dx.doi.org/10.12732/ijdea.v12i1.856	7.19
21	**V. Palanisamy** Nithyakalyani, R. Anandhajothi, "Fingerprint Template Encryption Scheme Based on Chaotic Map and DNA sequence", International Journal of Pure and Applied Mathematics, Vol 118 (7), 2018, DOI: http://dx.doi.org/10.12732/ijdea.v12i1.825	7.19
22	Aanjankumar, s &Shanmugam, Poonkuntran&Aanjanadevi, S. &**Palanisamy**, Vidya.(2021). An Advance Design Engineering Approach for Secure Data Transmission using Fuzzy Extractor with Cryptographic Face Biometric. 12. 8989 - 8998.	0.101
23	**Dr.V.Palanisamy** S.Kalaiselvi, R.AnandhaJothi, "An Enhanced Bio-Chaotic Algorithm for Classifying Iris Image Extraction and Encryption",	-

	International Journal of Advanced Research in Education & Technology (IJARET), Vol 5 (3), 2018,DOI: https://doi.org/10.17605/OSF.IO/B6SPQ	
24	**V. Pazhanisamy** J.Nithyapriya, "Detecting Malicious nodes in Wireless Ad-hoc Networks –a Cryptography Based Approach", International Journal of Pure and Applied Mathematics, Vol 118 (9), 2018, DOI: http://dx.doi.org/10.12732/ijdea.v12i1.1025	7.19
25	**V. Palanisamy** S.Kalaiselvi, R. Anandhajothi, "Biometric Security with Iris Recognition Techniques:A Review", International Journal of Pure and Applied Mathematics, Vol 118 (8), 2018, DOI: http://dx.doi.org/10.12732/ijdea.v12i1.846	7.19

Resource persons in various capacities

National Conferences   :   21

InternationalConferences   :   35

InvitedLectures   :   37

Date   :   07.03.2024

Place   :   Karaikudi

Dr.V.PALANISAMY

Senior Professor and Head