

Dr.S.Kannan M.E., Ph.D.,
 Professor,
 Department of Computer Science and Engineering,
 Punalkulam, Pudukkottai.
 E-mail id: kannan.pot@gmail.com
 Mobile: 9344084894

Educational Qualification:

Degree	Major Subject(s)	Graduated From	Percentage
Ph.D	Computer Science and Engineering	Manonmaniam Sundaranar University, Tirunelveli	-
M.E	Software Engineering	Anna University, Chennai.	77
M.S	Information Technology	Bharathidasan University, Tiruchirappalli.	79
B.SC	Applied Chemistry (Leather Science)	Bharathidasan University, Tiruchirappalli.	79.1(University 3rd Rank)

Experience in Years (Teaching): 17 years 8 Months + 1 Year Industrial Experience

Employment History:

Name of the College	Experience		
	Designation	From	To
Kings College of Engineering, Thanjavur	Professor	05.01.2022	Till Date
E.G.S.Pillay Engineering College, Nagapattinam.	Dean, Professor	13.03.2017	04.01.2022
Kings College of Engineering, Thanjavur	Associate Professor	25.01.2013	28.02.2017
Kings College of Engineering, Thanjavur	Assistant Professor	02.06.2008	24.01.2013

1. Interested Research Areas: Data Mining, Wireless Sensor Networks, Soft Computing

2. Funded Research Projects:

S. No	Title of the Project	Funded Agency	Total Cost	Status & Period
1.	National Mathematics Day	TNSCST	75000	Completed
2.	Constitution of IPR Activity	TNSCST	50000	Processing

3. Patent rights received: Published-1, Submitted-1

4. Books / Book Chapters Publications:

Title of the Book	Name of the Publisher	Details of Edition
TechTrends: Navigating the Frontier of Emerging Technologies	Bentham Science Publishers Pte. Ltd. No. 9 Raffles Place Office No. 26-01 Singapore 048619 Singapore Email: subscriptions@benthamscience.net.	First Edition, 2025

5. International Journal Publication Details: (SCI / SCIE)

National / International	Title of the Journal	Title of the Paper	Publication Details
International	Journal of Intelligent & Fuzzy Systems: Applications in Engineering and Technology	Intrusion detection in big data environment using hybrid deep learning algorithm (VAE-CNN)	Volume 45, Issue 5, 2023, pp:8637–8649
International	Ad Hoc & Sensor Wireless Networks	Metaheuristic Optimization Based Energy Aware Clustering Scheme for Wireless Sensor Networks	Volume 25, Issue 3, 2023, pp:2863–2880
International	Journal of Environmental Protection and Ecology	A Novel Machine Learning–based Model for Network Attack Detection in Cyber Security Using Big Data	Vol.24, Issue 4, pp.1401-1012
International	The Imaging Science Journal	Texture-driven super-resolution of ultrasound images using optimized deep learning model	vol. 4, no.1, pp.1-15, 2023, 06 Jun 2023.
International	Journal of Environmental Protection and Ecology	Unique Secure Cracking with Efficient Path Detection Routing Technique	Vol.24, Issue 3, pp.1022–1031
International	Journal of Intelligent & Fuzzy Systems	Improvement of life time for wireless body	vol. 44, no.2, pp.1673-

		sensor networks using optimal clustering and routing protocol	1690,2023, 30 January 2023
International	Computer Systems Science & Engineering	Deep Learning with Optimal Hierarchical Spiking Neural Network for Medical Image Classification	Vol.44, no.2, 2023, PP. 1081- 1097
International	Journal of Environmental Protection and Ecology	Analysis of eco-environmental risk using Improved principal component analysis Algorithm	23, No7, 2834–2843 (2022)
International	Acta Scientiarum. Technology	Combined Ensemble Intrusion Detection Model using Deep learning with Feature Selection for Fog Computing Environments	v.45, e60551,2023
International	KSII Transactions on Internet and Information System	Lifetime Escalation and Clone Detection in Wireless Sensor Networks using Snow ball Endurance Algorithm (SBE A)	Vol.16, no.4, Apr.2022. PP. 1224-1248
International	Intelligent Automation & Soft Computing	Bat-Inspired Optimization for Intrusion Detection Using an Ensemble Forecasting Method	Vol.34, No.1, pp.307-323, 2022, DOI:10.32604/i asc.2022.024098
International	Intelligent Automation & Soft Computing	Intrusion Detection System for Energy Efficient Cluster based Vehicular Ad hoc Networks	vol.32, no.1,2022, pp.323-337 DOI:10.32604/i asc.2022.021467
International	Intelligent Automation & Soft Computing	Hybridized Model with Activity Load Adjusting and QOS for Wi-Fi Network System	IASC, 2021, vol.27, no.2. pp. 333- 346
International	Journal of Ambient Intelligence and Humanized Computing	An enhanced design and random optimization for oversampling $\Delta\Sigma$ modulator	Vol.12, no.6 DOI:10.1007/s1 2652-020- 02106-8
International	Applied Mathematics &	Onion Routing in	Vol.13, no.1

	Information Sciences	Anonymous Network	Appl.Math.Inf. Sci.13, No. S1, 247-253(2019)
--	----------------------	-------------------	--

6. International Journal Publication Details: (Scopus)

National / International	Title of the Journal	Title of the Paper	Publication Details
International	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	Tracking Challenges in Online Social Environment using Deep Learning Techniques	Vol.8, Issue 1, Page:160-170
International	International Research Journal of Modernization in Engineering Technology and Science	Predicting Unwanted User in Social Communities using Machine Learning Techniques	Volume:03/ Issue:01/ January- 2021
International	Sciences Direct, Elsevier	Electronic transport, HOMO-LUMO and Computational studies of CuS mono wire for nanodevices fabrication by DFT approach	Vol.33, part7, 2020, page: 2746-2749
International	AIP Publications (Scopus)	Computational Analysis of LPNPTH Anisotropies for Dementia for Alzheimer's Syndrome by DFT and Molecular Harboring	pp:1-5,2020
International	AIP Publications (Scopus)	Computational and Experimental Studies of Acetoacetanilide Crystals	pp:1-5,2020
International	AIP Publications (Scopus)	Fluorescence, Computational Enactments of Dimethyl N, N'-[(ethyne-1,2-di-yl) Bis-(1,4-phenyl-ene carbon-yl)] Bis-(L-Alaninate) Crystals	pp:1-5,2020
International	Paideuma Journal	Characterizations [XRD, chnso, fluorescence.	Vol: XII, Issue: XI, pp_244- 249, 2019

		Anti -diabetic, ftir, nlo and sem] of 2a44bp6m4hbc3c crystals	
International	Paideuma Journal	Characterizations [xrd, fluorescence, anti-diabetic, (theoretical) Computational, CHNSO, SEM, NLO, beam Displacement (filters), influx (filters) and ldt] of 44cp124tymb crystals	Vol:XII, Issue: XI, pp:35-48, 2019
International	International Journal of Engineering Technology Research & Management	Image Formation based on Transfer Learning using CNN	Vol-05 Issues 03, March-2021
International	Journal of Xi'an University of Architecture & Technology	Computational analysis of PM sparklers	Volume XII, Issue III, PP: 44-47
International	Aegaeum journal	Recognition and investigation of listening in anonymous communication systems	Volume8, Issue 4, PP:715-724
International	Aegaeum journal	Parametric Strategies for Anomaly identification in total Traffic	Volume8, Issue 4, 2020, PP:713-714
International	Adalya journal	Intelligent Data Diagnostics using Machine Learning Algorithm—A Novel Tool for Computational Upgradation and Updatations for Proper Enablement of Efficiency	Volume9, Issue 1 PP: 1343-1352
International	International Journal of Engineering & Technology	Detection of Genetic Replica Robots Using Wireless Sensor Networks.	Volume7, issue 6, PP:524-528
International	International Journal of Innovative Research in Applied Sciences and Engineering	Novel WLAN- Based Indoor Device-Free Motion Detection System Using PHY Layer Information	Volume1, Issue 7, pp:151-163
International	International Journal of Innovations & Advancement in	Traffic Analysis using Correlation based attacks based on Anonymity	Volume:6, Issue11, pp.484-490

	Computer Science	Networks	
International	International Journal of Electronics, Electrical and Computational System	A 17 Level Sequential Switch Cascaded Multilevel Inverter with Reduced a Components	Volume:6, Issue11, pp.145-152
International	International Journal of Innovations & Advancement in Computer Science	Efficiency of Classification Algorithms in Data Reduction Using Filters	Volume:6, Issue11, pp.303-310
International	International Journal of Innovations & Advancement in Computer Science	Recognition and Protection of BGP Routing Transgression across trust aware Routing in Wireless Sensor Networks	Volume:6, Issue11, pp.214-221
International	International Journal of Innovations & Advancement in Computer Science	Combining the Methodology of life time acceleration and Clone detection in Wireless Sensor Networks	Volume:6, Issue11, pp.283-291
International	Journal of Advances in Chemistry	IntelligentIntrusion Detection System using Genetic Algorithm	Vol 12, pp:2021-2025, ISS N 2321-807X
International	International Journal of Computer Science and Engineering	Business Intelligence: Data Mining decision Making for Banking Industry	Vol5, pp:31-35, ISSN2043-9091
International	Research Journal of Humanities and Social Sciences	Data Mining and Optimization for Effective Decision Making	March,2017, Pp:32-36.
International	International Journal of Scientific Engineering Research	Business Intelligence: Financial: decision support System Research based on data warehouse	Vol:3, pp:1- 5, ISSN:2229-5518.

7. International/ National Conference Presentation Details:

S. No	Title	Jorurnal Name/Organized	Date
1.	Predicting social sites log events using automated	International conference on Computing, Communication and Control (IC4) at	26.04.2023

	machine learning approach	Kings College of Engineering, Punalkulam, Pudukottai, Tamilnadu.	
2.	Multiple Disease prediction using Machine Learning	International Conference on Recent Innovations in Computers, Communications and Manufacturing (ICRICCM'23) at AAA College of Engineering and Technology, Sivakasi on 12 th & 13 th April.2023.	12.04.2023 &13.04.2023
3.	Future classification in Online network communities with Deep Neural Networking	Virtual international Conference on Technological Advancement in Computers and Communications (ICTACC'22) at Adhiparasakthi Engineering College, Melmaruvathur, Computer Society of India.	
4.	Microarray Based Disease Prediction Using Deep Learning Techniques	Proceedings of the International Web Conference on Advances in Science, Engineering and Management (ICASEM - 2021) ISBN: 978-93-84893-48-4 (Vol.3).	18.03.2021
5.	Enhanced Road Maintenance and Complaint System	Proceedings of the International Web Conference on Advances in Science, Engineering and Management (ICASEM - 2021) 978-93-84893-48-4 (Vol.3).	18.03.2021
6.	Medical Big Data Analysis and Recommendation System for Disease classification using Deep Convolutional Neural Network	Proceedings of the International Web Conference on Advances in Science, Engineering and Management (ICASEM - 2021) 978-93- 84893-48-4 (Vol.3).	18.03.2021
7.	User Revocation with Public Auditing for Secret Cloud Data Sharing	Proceedings of the International Web Conference on Advances in Science, Engineering and Management (ICASEM - 2021) 978-93- 84893-48-4 (Vol.3).	18.03.2021
8.	Escalating the lifetime of the battery in smart controller automation system using SBEA	IEEE International Conference on Smart Systems and Inventive Technology (ICSSIT2018) at Francis Xavier Engineering College, Tirunelveli	13.12.208 &14.02.2018
9.	Automatic test paper Generation using Enhanced Algorithm	National Conference on High Performance Computing (NCHPC'18) at Kings College of Engineering, Punalkulam.	03.03.2018
10.	Traffic Analysis using Correlation based attacks	AICTE Sponsored International Seminar on Internet of Things and	17.11.2017 &18.11.207

	based on Anonymity Networks	Wireless Sensor Networks (IOTWSN-2017) at Sasi Institute of Technology and Engineering, Tadepalligudem.	
11.	Design of Logistics Network in an Organization For optimizing techniques using Genetic Algorithm	International Conference, NIT, Tiruchirappalli,	21.01.16
12.	Classification Rule Construction using Particle Swarm Optimization Algorithm for Breast cancer Datasets	IEEE International Conference, ISSN 978-0-7695, PP:233-237	28.09.2012
13.	Hiding Sensitive rule with Association Rule mining limited side effect	IEEE National Conference, at Kamaraj College of Engineering & Technology, Madurai. pp:90-95	03.03.2008

8. Faculty Development Program Details:

S. No	Program Name	Organized	Date
1.	MangoDB	ICT Academy at Kings College of Engineering, Punalkulam, Pudukkottai.	24.11.2025 to 29.11.2025
2.	Palo Alto Cloud Security Fundamentals	ICT Academy at Kings College of Engineering, Punalkulam, Pudukkottai.	29.07.2024 to 02.08.2024
3.	Idea Generation Methods	ICT Academy at Kings College of Engineering, Punalkulam, Pudukkottai.	22.01.2024 To 27.01.2024
4.	Outcome based Education	E.G.S. Pillay Engineering College, Nagapattinam	09.09.2018 To 10.09.2018
5.	NAAC Accreditation & Assessment Process	E.G.S. Pillay Engineering College, Nagapattinam	04.03.2019 to 06.03.2019
6.	Introduction to Python Programming	ICT Academy at E.G.S. Pillay Engineering College, Nagapattinam	12.11.2018 to 13.11.2018

7.	IT-Mobile Computing	Anjalai Ammal Mahalingam Engineering College, Kovilveni, Thiruvarur	20.09.2017 To 24.09.2017
8.	IOT and its Applications using Raspberry Pi	E.G.S. Pillay Engineering College, Nagapattinam	12.12.2017
9.	WAMP	Periyar Maniammai University, Thanjavur	10.09.2010
10.	Advanced Network and Security	Nandha Engineering College, Erode	12.07.2009 To 18.07.2009
11.	Mobile and Pervasive Computing	National Institute of Technology, Tiruchirappalli	07.09.2008

9. List of Workshop Organized.

S. No	Program Name	Organized	Date
1.	Introduction to IPR & Entrepreneurship	Kings College of Engineering, Thanjavur	11.11.2025
2.	Intellectual Property Rights	Kings College of Engineering, Thanjavur, Sponsored by TNSCST	13.02.24 & 14.02.24
3.	Cryptography and Network Security	Kings College of Engineering, Thanjavur	14.09.2016
4.	Data mining and Data Warehousing	Kings College of Engineering, Thanjavur	26.07.2016 & 27.07.2016
5.	.NET Framework	Kings College of Engineering, Thanjavur	22.08.2012 to 28.08.2012
6.	CoreJava	Kings College of Engineering, Thanjavur	22.09.2012 to 28.09.2012
7.	PHP & MySQL	Kings College of Engineering, Thanjavur	17.02.2011 To 20.02.2011

10. Ph.D.Guided:

S. No	Register Number	Name	Title	Date
1.	16144597320	Balasubramanian K	Traffic Analysis Using Correlation-Based Attacks Based on Anonymity Networks	11.01.2021
2.	1523399186	Kalaipoonguzhali V	Design Of Rf Transmitter System Using Oversampling DSM for Wireless Applications	22.12.2021
3.	18244591229	Lavanya R	Design And Development of Intrusion Detection System for Vehicular Ad Hoc Networks	06.07.2022
4.	18194591230	Anand Babu R	Towards Effective Ensemble Classification for Anomaly-Based Intrusion Detection	23.11.2022
5.	17244597550	Sathya V	Lifetime Escalation and Clone Detection In Wireless Sensor Network Using SBEA	28.03.2023
6.	19244597168	Immaculate Rexi Jenifer P	Design of Computer Aided Diagnosis Model for Medical Image Classification Using Deep Learning Techniques	14.07.2023
7.	17234597119	Gokila R G	Enhanced Network Intrusion Detection System In Cyber Security for Big Data Applications Using Machine Learning and Deep Learning Algorithms	19.06.2024
8.	18244591259	Chitra S	Routing Model-Based Medical Applications for The Network Lifetime Enhancement in Wireless Sensor Networks Using Nature Inspired Optimization Techniques	10.07.2024
9.	17234597508	Pushpa G	Optimizing Network Lifetime Through Hybrid Evolutionary Strategies in Cluster-Based Routing Protocols for Wireless Sensor Networks	14.10.2024
10.	17124591246	Markco M	Deep Learning Based Ultrasound Image Reconstruction and Classification	16.10.2024
11.	17134591225	Praveen Kumar S	Optimization Of Multipath Routing Protocol in Wireless Sensor Network Using Efficient	07.06.2022

			Clustering Methods	
--	--	--	--------------------	--

12. Ph.D. Guidance:

S. No	Name of the Faculty	Status
1	Ramya R	Thesis submitted, Report received
2	Suresh V.M	Confirmation completed
3	Sudarsanan K	Course work completed
4	Suganthi K	Confirmation completed
5	Dhamayandhi N	Confirmation completed
6	Bavithra B	Course work completed
7	Kavitha M	Course work completed
8	Abinaya K	Course work completed

13. Academic/Administrative Responsibilities for various College:

S. No	Position	Faculty/Department/Centre/Institution	From	To
1.	Admission Officer	Kings College of Engineering, Thanjavur	2023	Till Now
2.	Head-IPR	Kings College of Engineering, Thanjavur	2023	Till Now
3.	ISTE Staff Coordinator	Kings College of Engineering, Thanjavur	2023	2024
4.	Dean-Academic & Engineering Admission	E.G.S. Pillay Engineering College, Nagapattinam	2017	2022
5.	DRC (Department Research Coordinator)	E.G.S. Pillay Engineering College, Nagapattinam	2018	2022
6.	Member	B.Tech. Project Evaluation Committee	2017	2022
7.	Member	B.Tech. Project Evaluation Committee	2017	2022
8.	Member	Staff Recruitment Committee (CSE)	2017	2022
9.	Member	Class Monitoring Committee	2018	2020
10.	ACOE-Assistant Controller of Examiner	Kings College of Engineering, Thanjavur	2013	2017
11.	Kings ERP-Development Head	Kings College of Engineering, Thanjavur	2012	2017
12.	DRC (Department Research)	Kings College of Engineering, Thanjavur	2010	2017

	Coordinator)			
13.	IQAC- Coordinator	Kings College of Engineering, Thanjavur	2012	2017
14.				
15.	NAAC - Coordinator	Kings College of Engineering, Thanjavur	2016	2017
16.	NBA -Coordinator	Kings College of Engineering, Thanjavur	2008	-

14. Academic/Administrative Responsibilities outside the University:

S.No	Position	Institution	From	To
1.	Member (Ph.D. Doctoral Committee)	Anna University, Chennai	2017	Till Now
2.	Member (Ph.D. Doctoral Committee)	Periyar Maniammai University, Thanjavur	2024	Till Now
3.	Joint Supervisor	Annamalai University, Chidambaram	2018	Till now
4.	Member (Board of Studies)	E.G.S. Pillay Engineering College, Nagapattinam	2018	2022

15. Awards, Associateships etc.

S.No	Year of Award	Name of the Award	Awarding Organization
1.	2024	Dr. A.P.J. Abdul Kalam Best Researcher Award	Kings College of Engineering, Thanjavur
2.	2023	Dr. A.P.J. Abdul Kalam Best Researcher Award	Kings College of Engineering, Thanjavur
3.	2019	Best Technological Award in Engineering Science	

- i. **Invited Talk** : -
- ii. **Membership:** ISTE, IEEE Member
- iii. **Personal Communication** :
Name : Dr.S.Kannan

Father'sName : M.Samickkannu
Dateof Birth : 27.05.1979
LanguagesKnown : English, Tamil
Permanent Address : Pottalangudikkadu, Kakkarai(Post),Orathanadu
(Taluk), Thanjavur (Dist), Tamilnadu-614625.
Sex : Male
Maritalstatus : Married
Nationality : Indian

Signature of the faculty