



1. Name of the Faculty : Dr.S.Kannan
2. Designation : Professor / ECE
3. Educational Qualification :

Degree	University	Year of Completion	Class
Ph.D	Manonmaniam Sundaranar University, Tirunelveli	January, 2013	-
M.E	Anna University	2008	First Class
M.S	Bharathidasan University, Tiruchirappalli,	2005	First Class
B.SC	Bharathidasan University, Tiruchirappalli	2000	University Third Rank

4. Experience : 16 Years
  5. Papers Published :
- a) **SCI/SCIE Journal Publications:**

Paper Title	Journal Name	Volume Number, Issue No and Page No	Online Link
1. Intrusion detection in big data environment using hybrid deep learning algorithm (VAE-CNN)	Journal of Intelligent & Fuzzy Systems: Applications in Engineering and Technology	Volume 45 Issue 52023pp 8637–8649	<a href="https://dl.acm.org/doi/10.3233/JIFS-234311">https://dl.acm.org/doi/10.3233/JIFS-234311</a>
2. Metaheuristic Optimization Based Energy Aware Clustering Scheme for Wireless Sensor Networks	Ad Hoc & Sensor Wireless Networks		<a href="https://www.oldcitypublishing.com/journals/ahswn-home/ahswn-issue-contents/ahswn-volume-57-number-1-2-2023/">https://www.oldcitypublishing.com/journals/ahswn-home/ahswn-issue-contents/ahswn-volume-57-number-1-2-2023/</a>
3. A Novel Machine Learning – based Model for Network Attack Detection in	Journal of Environmental Protection and Ecology	Vol. 24, Issue 4, pp. 1401-1012	<a href="https://scibulcom.net/en/article/i7hpmjgrJXixFSSp0HqL">https://scibulcom.net/en/article/i7hpmjgrJXixFSSp0HqL</a>

Cyber Security Using Big Data			
4. Texture-driven super-resolution of ultrasound images using optimized deep learning model	The Imaging Science Journal	vol. 4, no. 1, pp. 1-15, 2023, 06 Jun 2023.	<a href="https://doi.org/10.1080/13682199.2023.2218224">https://doi.org/10.1080/13682199.2023.2218224</a>
5. Unique Secure Cracking with Efficient Path Detection Routing Technique	Journal of Environmental Protection and Ecology	Vol. 24, Issue 3, pp. 1022–1031	<a href="https://scibulcom.net/en/article/i7hpmjgrJXixFSSp0HqL">https://scibulcom.net/en/article/i7hpmjgrJXixFSSp0HqL</a>
6. Improvement of life time for wireless body sensor networks using optimal clustering and routing protocol	Journal of Intelligent & Fuzzy Systems	vol. 44, no. 2, pp. 1673-1690, 2023, 30 January 2023	<a href="https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs221172">https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs221172</a> , DOI: 10.3233/JIFS-221172
7. Deep Learning with Optimal Hierarchical Spiking Neural Network for Medical Image Classification	Computer Systems Science & Engineering	Vol.44, no.2, 2023,Pp. 1081-1097	DOI: 10.32604/csse.2023.026128
8. Analysis of eco-environmental risk using Improved principal component analysis Algorithm	Journal of Environmental Protection and Ecology	23, No 7, 2834–2843 (2022)	
9. Combined Ensemble Intrusion Detection Model using Deep learning with Feature Selection for Fog Computing Environments	Acta Scientiarum. Technology	v. 45, e60551, 2023	<a href="https://doi.org/10.4025/actascitechnol.v45i1.60551">https://doi.org/10.4025/actascitechnol.v45i1.60551</a>

10. Lifetime Escalation and Clone Detection in Wireless Sensor Networks using Snowball Endurance Algorithm(SBE A)	KSII Transactions on Internet and Information System	Vol. 16, no. 4, Apr. 2022. Pp. 1224- 1248	<a href="http://doi.org/10.3837/tiis.2022.04.008">http://doi.org/10.3837/tiis.2022.04.008</a>
11. Bat-Inspired Optimization for Intrusion Detection Using an Ensemble Forecasting Method	Intelligent Automation & Soft Computing	Vol.34, No.1, pp. 307-323, 2022, DOI:10.32604/iasc.2022.024098	<a href="https://www.techscience.com/journal/iasc">https://www.techscience.com/journal/iasc</a>
12. Intrusion Detection System for Energy Efficient Cluster based Vehicular Adhoc Networks	Intelligent Automation & Soft Computing	vol.32, no.1,2022, pp.323-337 DOI:10.32604/iasc.2022.021467	<a href="https://www.techscience.com/iasc/v32n1">https://www.techscience.com/iasc/v32n1</a>
13. Hybridized Model with Activity Load Adjusting and QOS for Wi-Fi Network System	Intelligent Automation & Soft Computing	IASC, 2021, vol.27, no.2.pp.333-346	<a href="https://www.techscience.com/iasc/v27n2/41243">https://www.techscience.com/iasc/v27n2/41243</a>
14. An enhanced design and random optimization for oversampling $\Delta\Sigma$ modulator	Journal of Ambient Intelligence and Humanized Computing	Vol.12, no.6 DOI: 10.1007/s12652-020-02106-8	<a href="http://link.springer.com/article/10.1007/s12652-020-02106-8">http://link.springer.com/article/10.1007/s12652-020-02106-8</a>
15. Onion Routing in Anonymous Network	Applied Mathematics & Information Sciences	Vol.13, no.1 Appl. Math. Inf. Sci. 13, No. S1, 247-253 (2019)	<a href="https://www.naturalspublishing.com/files/published/8h488hy44pk31k.pdf">https://www.naturalspublishing.com/files/published/8h488hy44pk31k.pdf</a>

**b) Scopus Journal Publications:**

Paper Title	Journal Name	Volume Number, IssueNo and Page	Online Link

1. Tracking Challenges in Online Social Environment using Deep Learning Techniques	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	Vol.8,Issue 1,Page:160-170	<a href="https://doi.org/10.32628/CSEIT228121">https://doi.org/10.32628/CSEIT228121</a>
2. Predicting Unwanted User in Social Communities using Machine Learning Techniques	International Research Journal of Modernization in Engineering Technology and Science	Volume:03/Issue:01/January-2021	<a href="https://www.irjmets.com/pastvolumeissue.php?p=31">https://www.irjmets.com/pastvolumeissue.php?p=31</a>
3. Electronic transport, HOMO-LUMO and computational studies of CuS monowire for nanodevices fabrication by DFT approach	Sciences Direct, Elsevier	Vol.33, part 7, 2020, page : 2746-2749	<a href="https://doi.org/10.1016/j.matpr.2020.01.574">https://doi.org/10.1016/j.matpr.2020.01.574</a>
4. Computational Analysis of LPNPTH Anisotropies for Dementia for Alzheimer's Syndrome by DFT and Molecular Harboring	AIP Publications(Scopus)	pp:1-5,2020	<a href="http://doi.org/10.1063/5.0019331">http://doi.org/10.1063/5.0019331</a>
5. Computational and Experimental Studies of Acetoacetanilide Crystals	AIP Publications(Scopus)	pp:1-5,2020	<a href="http://doi.org/10.1063/5.0019332">http://doi.org/10.1063/5.0019332</a>
6. Fluorescence, Computational Enactments of Dimethyl N,N'-[(ethyne-1,2-di-yl) Bis-(1,4-phenyl-ene carbon-yl)] Bis – (L-Alaninate) Crystals	AIP Publications(Scopus)	pp:1-5,2020	<a href="http://doi.org/10.1063/5.0019334">http://doi.org/10.1063/5.0019334</a>
7. Characterisations [XRD, chnso, fluorescence, Anti -diabetic, ftir, nlo and sem] of	Paideuma Journal	Vol: XII, Issue: XI,pp_244-249, 2019	<a href="http://pjrpublication.com/">http://pjrpublication.com/</a>

2a44bp6m4hbc3c crystals			
8. Characterisations [xrd, fluorescence, anti-diabetic, (theoretical) Compuational, CHNSO, SEM, NLO, beam Displacement (filters), influx (filters) and ldt] of 44cp124tymb crystals	Paideuma Journal	Vol: XII, Issue: XI,pp:35-48, 2019	<a href="http://pjrpublication.com/">http://pjrpublication.com /</a>
9. Image Formation based on Transfer Learning using CNN	International Journal of Engineering Technology Research & Management	Vol-05 Issues 03, March-2021	
10. Computational analysis of PM sparklers	Journal of Xi'an University of Architecture & Technology	Volume XII, Issue III,PP : 44-47	Volume XII, Issue III,PP :44-47
11. Recognition and investigation of listening in anonymous communication systems	Aegaeum journal	Volume 8, Issue 4, PP: 715-724	<a href="http://aegaeum.com/">http://aegaeum.com/</a> DOI:16.10089.AJ.2020.V8I4.285311.3177
12. Parametric Strategies For Anamoly identification inTotal Traffic	Aegaeum journal	Volume 8, Issue 4, 2020, Pp:713-714	<a href="http://aegaeum.com/gallery/agm.j-2641.73-f.pdf">http://aegaeum.com/gallery/agm.j-2641.73-f.pdf</a>
13. Intelligent Data Analysis for Medical Diagnostics using Machine Learning Algorithm – A Novel Tool for Computational Upgradement and Updatons for Proper Enablement of Efficiency	Adalya journal	Volume 9, Issue 1 PP: 1343-1352	<a href="http://adalyajournal.com/">http://adalyajournal.com/</a>

14. Detection of Genetic Replica Robots Using Wireless Sensor Networks.	International Journal of Engineering & Technology	Volume 7, issue 6, PP: 524-528	<a href="http://www.sciencepubco.com/index.php/">www.sciencepubco.com/index.php/</a>
15. Novel WLAN-Based Indoor Device-Free Motion Detection System Using PHY Layer Information	International Journal of Innovative Research in Applied Sciences and Engineering	Volume 1, Issue 7, pp: 151-163	<a href="https://www.ijirase.com/assets/paper/">https://www.ijirase.com/assets/paper/</a>
16. Traffic Analysis using Correlation based attacks based on Anonymity Networks	International Journal of Innovations & Advancement in Computer Science	Volume:6, Issue 11, pp.484-490	Academic Science
17. A 17 Level Sequential Switch Cascaded Multilevel Inverter with Reduced a Components	International Journal of Electronics, Electrical and Computational System	Volume:6, Issue 11, pp.145-152	Academic Science
18. Efficiency of Classification Algorithms in Data Reduction Using Filters	International Journal of Innovations & Advancement in Computer Science	Volume:6, Issue 11, pp.303-310	Academic Science
19. Recognition and Protection of BGP Routing Transgression across trust aware Routing in Wireless Sensor Networks	International Journal of Innovations & Advancement in Computer Science	Volume:6, Issue 11, pp.214-221	Academic Science
20. Combining the Methodology of life time acceleration and Clone detection in Wireless Sensor Networks	International Journal of Innovations & Advancement in Computer Science	Volume:6, Issue 11, pp.283-291	Academic Science
21. Intelligent Intrusion Detection System using Genetic Algorithm	Journal of Advances in Chemistry	Vol 12, pp:2021-2025, ISSN 2321-807X	<a href="https://rajpub.com/index.php/jac/issue/view/103">https://rajpub.com/index.php/jac/issue/view/103</a>
22. Business Intelligence: Data Mining decision making for Banking Industry	International Journal of Computer Science and Engineering	Vol 5, pp :31-35, ISSN 2043-9091	<a href="https://ijser.com">https://ijser.com</a>

23. Data Mining and Optimization for Effective Decision Making	Research Journal of Humanities and Social Sciences	March, 2017, Pp: 32-36.	<a href="https://rjhssonline.com/HTMLPaper.aspx?">https://rjhssonline.com/HTMLPaper.aspx?</a>
24. Business Intelligence: Financial: decision support System Research based on data warehouse	International Journal of Scientific Engineering Research	Vol:3,pp:1-5, ISSN:2229-5518.	<a href="https://www.ijser.org/paper">https://www.ijser.org/paper</a>

**c) List of Conference Papers:**

1. S.Kannan,"Predicting social sites log events using automated machine learning approach" International conference on Computing,Communication and Control(IC4) HELD ON 26.04.2023 at Kings College of Engineering,Punalkulam,Pudukottai,Tamilnadu.
2. S.Kannan," 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 <sup>th</sup> & 13 <sup>th</sup> April.2023.
3. S.Kannan," 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. S.Kannan, R.Bhuvaneshwari,D.Nivedhitha, K.Amrita ,"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).
5. S.Kannan, R.Manivannan, S.Anbananthan, "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).
6. S.Kannan, V.Murugeswari, J.Priyadharshini, V.Priyadharshini" 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).
7. S.Kannan, K.Rajadurai, K.Kalaivani,M.Priya "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).
8. S.Kannan, K.Sathya (2018)"Escalating the lifetime of the battery in smart controller automation system using SBEA" IEEE International Conference on Smart Systems and Inventive Technology(ICSSIT 2018),December 13-14.2018.Francis Xavier Engineering College,Tirunelveli.

9. S.Kannan "Automatic test paper Generation using Enhanced Algorithm" National Conference on High Performance Computing(NCHPC'18) at Kings College of Engineering, Punalkulam. March, 2018.
10. S.Kannan "Traffic Analysis using Correlation based attacks based on Anonymity Networks" AICTE Sponsored International Seminar on Internet of Things and Wireless Sensor Networks(IOTWSN-2017) at Sasi Institute of Technology and Engineering, Tadepalligudem. November 17-18.
11. S.Kannan, Rajendran (2013) " Design of Logistics Network in an Organization for optimizing techniques using Genetic Algorithm, International Conference, NIT, Tiruchirappalli, January 21.
12. S.Kannan, K.Rajiv Gandhi, Marcus Karnan (2010)"Classification Rule construction using Particle Swarm Optimization Algorithm for Breast cancer Data sets" IEEE International Conference, ISSN 978-0-7695, PP:233-237.
13. S.Kannan (2008)" Hiding Sensitive rule with Association Rule mining limited side effect", IEEE National Conference, pp:90-95

**d) List of FDP attended:**

1. Faculty development on "Introduction to Python Programming" Conducted by ICT Academy at E.G.S.Pillay Engineering College, Nagapattinam. November 12-13, 2018
2. Faculty development Training Programme on "IT-Mobile Computing" Conducted by Anjalai Ammal –Mahalingam Engineering College, Kovilveni, Thiruvarur, November 20-24, 2017.
3. Oneday seminar on" Iot and its Applications using Raspberry Pi" Conducted by Department of information technology, E.G.S.Pillay Engineering College, Nagapattinam. December 12, 2017
4. Faculty development on "WAMP" at Periyar Maniammai University, September, 2010.
5. Faculty development "Advance Network and Security "at Nandha Engineering College, Erode, July: 12-18, 2009.
6. One day workshop on "Mobile and Pervasive Computing" at National Institute of Technology, Tiruchirappalli, 2008

**e) List of Workshop Organized.**

1. One day Workshop on "Cryptography and Network Security" Kings College of Engineering, Thanjavur, September: 14, 2016.
2. Two days "Workshop on Data mining and Data Warehousing", Kings College of Engineering, Thanjavur, July, 26-27, 2016.
3. Workshop on "Dot NET Framework", Kings College of Engineering, Thanjavur, August: 22-28, 2012.
4. Workshop on" Core Java", Kings College of Engineering, Thanjavur, September: 22-28, 2012.
5. Workshop on "PHP & MySQL", Kings College of Engineering, Thanjavur, Feb: 17-20, 2011



## 2. Ph.D. Guidance

### a) Ph.D. Guidance

S.No	Name of the Faculty	Status
1	Markco M	Thesis Submitted
2	Gokila R G	Thesis Submitted
3	Pushpa G	Confirmation completed
4	Suresh V.m	Confirmation completed
5	Chitra S	Thesis Submitted
6	Ramya R	Confirmation completed
7	Suganthi K	Confirmation completed
8	Dhamayanthi N	Confirmation completed
9	Sudherson S	Confirmation completed
10	Pavithra B	Selected(January session'24)

### b) Ph.D Guided:

S.No	Name of the Faculty	Year of Completion
1.	Immaculate Rexi Jenifer P	2023
2.	Sathya V	2023
3.	Anand Babu R	2022
4.	Lavanya.R	2022
5.	Praveenkumar.S	2022
6.	Kalaipoonguzhali V	2022
7.	Balasubramanian.K	2021
8.	Gokila R G	2023
9.	Chitra S	2024

## 3. Invited Talk

: -

## 4. Membership: IEEE MEMBER

## 5. Personal Communication:

Name : Dr.S.Kannan  
Father's Name : M.Samickkannu  
Date of Birth : 27.05.1979  
Languages Known : English and Tamil  
Permanent Address : Pottalangudikkadu, Kakkarai (Post),Orathanadu  
(Taluk),Thanjavur (Dist), Tamilnadu-614 625.  
Sex : Male  
Marital status : Married  
Nationality : Indian

Signature of the faculty