SRI SAI RAM ENGINEERING COLLEGE,CHENNAI-44

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

1	Name	:	Dr. PERIASAMY J K
2	Qualification		● M.E(CSE) at K.S.R College of Technology, Thiruchengodu , Anna University – 2005- FIRST CLASS ● Ph. D Anna University- January 2020 **Domain**: Wireless Networks **Title**: Enhanced Secure Content Deduplication using Effective Hash Function and Chunking Algorithm
3	Designation/Dept.		Associate Professor/CSE
4	Area of Specialization	:	Wireless Networks, Cloud Computing and Data Science
5	Year of Experience	:	**Teaching: 20** Years and 01 Months **Industry**: Nil
6	No. of Workshops/FDP/ SDP Attended	:	33
7	Publications	:	**Patents:** Published : 14 Granted : 04 **Book Chapter** : 04 **Journal:**

			International : 39
			National : 01
			Conference:
			International : 18
			National : 15
8	**Research Guidance**	:	Nil
9	**Professional Societies Membership :** CSI- I1505852, IAENG-122017, IACSIT-80344662, IFERP-PMIN42687901		
10	**Patents Details :**		

1. **Design Of Face Mask Detection** Application Number 202241029601, Publication Date: 2022-05-23 **(IPR PATENT)**

2. **Crane Operated Blindspot Area To Avoid Accident** Application Number 202141016369, Publication Date: 23-04-21 **(IPR PATENT)**

3. **Voice Based Alerting and Assisting Tool for Visually Challenged** Application number 202141005842, Publication Date: 11.02.2021 **(IPR PATENT)**

4. **Emotion Recognition Fitness Assistance for Fitness Blenders using Mel Frequency Cepstral Coefficients (MFCC) and spectral Modulation features.** Application number 202041056021, Publication Date: 23.10.2020 **(IPR PATENT)**

5. **Cooperative Sensing, Communication and Control of IoT Network using Machine Learning Algorithms**, Patent number 2020102663, Patent filing Date: 10.10.2020 **(International PATENT)**

6. **Futuristic Public Transit Pods Pickup And Drop By Power Line Communication**, Application number 202041031870A, Publication Date: 21.08.2020 **(IPR PATENT)**

7. **AD-HOC Network With Intel Galileo Gen2 Based Power Demand Control,** Application number 202041033566A, Publication Date: 21.08.2020 **(IPR PATENT)**

8. **A Rule based Rootkit Detection Method using Machine Learning in Embedded IoT Devices,**
Patent number 2020102099, Patent Granted Date: 30.09.2020 **(International PATENT)**

9. **An Intelligent Embedded Tool Recognition System for CNC Machines Using Deep Learning Algorithms,** Patent number 2020102208, Patent Granted Date: 07.10.2020 **(International PATENT)**

10. **An Automatic Hospital Stretcher That Monitors Vital Data's of The Patients,**
Application number 202041044322, Patent Filed Date: 12.10.2020 **(IPR PATENT)**

11. **A Machine Learning Based Automated Toilet Cleansing System with Automated Doors,**
Application number 202041044307, Patent Filed Date: 12.10.2020 **(IPR PATENT)**

12. **Machine Learning Based Techie Safety Belt to Prevent the Sleepiness of Drivers,**
Application number 202041044323, Patent Filed Date: 12.10.2020 **(IPR PATENT)**

13. **Indoor Channel Statistic Properties Prediction Using Radial Basis Function Neural Network (Rbf-Nn) For 5G and Beyond (B5G) Networks,** Patent number 2020101786, Patent Granted Date: 09.09.2020 **(International PATENT)**

14. **SERS: Smart Emergency Response System Suits With Search-And-Rescue Dogs First Responders Using Voice Command And Mems Technology**, Application number 202041028754A, Filing Date: 06.07.2020 Publication Date: 10.07.2020 **(IPR PATENT)**

15. **PORTABLE LOW COST SMART SPIROMETER USING EMBEDDED & IOT** Application No.202041029484 A, Publication Date : 31/07/2020 **(IPR PATENT)**

16. **HOME ANALYSIS FETAL HEART RATE MONITORING AND KICKING MEASUREMENT USING EMBEDDED AND IOT** Application No.202041029995 A Publication Date : 31/07/2020 **(IPR PATENT)**

17. **DESIGN AND FABRICATION OF CHILD RESCUE MACHINE FROM TUBE WELLS WITH WEIGHT CONSTRAINT USING SENSORS AND WIRELESS CAMERA** Application No.202041030735 A Publication Date : 31/07/2020 **(IPR PATENT)**

11	**International Conference (s) :**

1. Presented Paper Titled "**A Deep Learning Approach for Twitter BOT detection**" in ICCST '22 ,IEEE International Conference on Computational Science and Technology,9th and 10th November 2022(Scopus Indexed)

   https://ieeexplore.ieee.org/document/10040412

2. Presented the paper titled, "**Privacy Preservation using FOG Technology using N Path Algorithm**" in the International Conference on Advances in Manufacturing Technology 25th and 26th March 2022.

3. Presented the paper title, "**AssessJet - Penetration testing and Vulnerability Assessment**" in the 2022 IEEE International conference on Communication, Computing & Internet of Things held on 10th and 11th March 2022. (Scopus Indexed)

   https://ieeexplore.ieee.org/document/9767928

4. Presented the paper title, "**Espertositio - A template based digital portfolio for the professionals**" in the 2022 IEEE International conference on Communication, Computing & Internet of Things held on 10th and 11th March 2022. (Scopus Indexed)

   https://ieeexplore.ieee.org/document/9767877

5. Presented the paper title, "**Generating Image Description Aiding Blind people interpretation**" in the 2022 IEEE International conference on Communication, Computing & Internet of Things held on 10th and 11th March 2022. (Scopus Indexed)

   https://ieeexplore.ieee.org/document/9767967

6. Presented the paper title, "**A Comparative Study of ConvoBiGRU and ConvoBiLSTM on Amazon Dataset**" in the 2022 IEEE International conference on Communication, Computing & Internet of Things held on 10th and 11th March 2022. (Scopus Indexed)

   https://ieeexplore.ieee.org/document/9767728

7. Presented the paper titled, "**Assessment of the Ethics of Blockchain Based Protection in Network Performance**" in International Conference on Emerging Trends in Science,

Engineering & Management ICETSEM-21 organized by the International Journal of MC Square Scientific Research, Chennai From Jan 21-23,2021. (Scopus Indexed)

8. Presented the paper titled, "**Smart relay for monitoring and controlling the systems**", in the Online International Conference on Recent Advances in Deep Learning (ICRADL-2021) 31, January 2021,Organized by the Department of Computer Science and Engineering of Shri Vishnu Engineering College for Women, Bhimavaram, AP

9. Presented the paper titled, '**Soil Classification and Crop Suggestion using Machine learning techniques**', in In theInternational Conference on Computational Science & Technology held on 5th&6th March 2020.

10. Presented the paper titled, '**Anomaly Detection and Optimization for Live Surveillance Feed'**, in the International Conference on Computational Science & Technology held on 5th&6th March 2020.

11. Presented the paper titled, '**Accurate Flood Predictionusing SAR Image and Alerting System'**, in the International Conference on Computational Science & Technology held on 5th&6th March 2020.

12. Presented the paper titled, '**Shrewd Credit Cart with Anti-theft'**, in the International Conference on Computational Science & Technology held on 5th&6th March 2020.

13. Presented the paper titled, '**Design of Sliding Mode Controller With Unmatched Disturbance'**, in the International Conference on Computational Science & Technology held on 5th&6th March 2020.

14. Presented the paper titled, '**Cryptographic Hashing Method for Secure and Duplication Detection in Cloud'**, In the International Conference on Computational Science & Technology held on 9th& 10th March 2017.

15. Presented the paper titled, '**The Enhancement of Storage and Bandwidth Optimization using Data De-Duplication'**, In Proceedings of International Conference on Pattern Recognition and Multimedia Signal processing, Annamalai University, Chidambaram, 9th & 10th January 2015.

	16. Presented the paper titled, **'Host Based Intrusion Avoidance Using Virtual Mechanism In Cloud Environment'** in International Conference on Electrical Communication and Computing,ICECC-2014,13th&14th March 2014.
	17. Presented paper titled, **'Evolving Bio Plausible Design For Heterogeneous NoC'** in IEEE International Conference on Advanced Communications Technology(ICACT2013) Phoenix Park, Pyeongchang, Korea, January 2103,
	18. Presented a paper titled, '**Effective Routing and Forwarding in MANET**', in the International Conference on Innovations in Communication, Information and Computing at Sasurie College of Engineering, **January 2013**.
12	**National Conference (s) :**
	1. Presented the paper titled, "**MODERN NEURAL NETWORK TECHNIQUE TO DETECT DEEP VEIN THROMBOSIS FROM CT SCAN IMAGES**" in the National Conference on Smart Innovations in Communications and Computing (NCSICC-2021) on 24th March 2021.
	2. Presented the paper titled, "**CRYPTOCURRENCY FORECASTING AND ANOMALY DETECTION**" in the National Conference on Smart Innovations in Communications and Computing (NCSICC-2021) on 24th March 2021.
	3. Presented the paper titled, "**Detection of Heart Disease using Light Gradient Boosting Machine**" in the National Conference on Smart Innovations in Communications and Computing (NCSICC-2021) on 24th March 2021.
	4. Presented the paper titled, "**Server-Based Document Storage With Optical Character Recognition (Ocr) and Rule Based Grammar Checker**", in the National Conference on Smart Innovations in Communications and Computing(NCSICC-2021) on 24th March 2021.
	5. Presented the paper titled, **'Web based online blood bank management system'** in the National Conference on Smart Innovations in Communications and Computing (NCSICC'19) on 5th March 2019.

6. Presented the paper titled, **'Assured way to manage various controls in cloud'** in National Conference on Smart Innovations in Communications and Computing (NCSICC'19) on 5th March 2019.

7. Presented the paper titled, '**Social media website for interaction between college students and professors**' in the National Conference on Smart Innovations in Communications and Computing (NCSICC'19) on 5th March 2019.

8. Presented the paper titled, '**Reliable multilayer architecture for privacy preserving in cloud**' in National Conference on Smart Innovations in Communications and Computing (NCSICC'19) on 5th March 2019.

9. Presented the paper titled, **'Accident Prevention using VANET'**, in the National Conference on Smart Innovations in Communications and Computing (NCSICC'18) on 27th March 2018.

10. Presented the paper titled, **'safety keeper- an IOT based Safety Monitoring System'** inNational Conference on Smart Innovations in Communications and Computing (NCSICC'18) on 27th March 2018.

11. Presented the paper titled, **'Cryptographic Hashing Method for Secure and Duplication Detection in Cloud'**, in 8th National Conference on Recent Issues in Network Galaxy'17 at R.M.D Engineering College, Chennai, held on 4th April 2017.

12. Presented the paper titled, **'Secure Data Transmission Using One Time Pads'**, in the National Conference on Computing Communication & Information Technology at T.J.S Engineering College, Peruvoyal, Thiruvallur, held on 7th April 2016.

13. Presented the paper titled, **'Advancement of Routing and Forwarding in MANET'**, in the National Conference on S.A Engineering College held on 21st January 2013.

14. Presented the paper titled, **"An Enhanced MAC scheme for voice and data traffic in wireless ad-hoc network"**in National conference - NACIS '09 held in Madha Engineering College 2009.

15. Presented the paper titled, **"Fragment class analysis for testing of polymorphism in object oriented software"** in the National conference –KSR TECH FETE-2005 held in K.S.R College of Technology, Namakkal held on 6th March 2005.

13	**International Journal Publications :**
	1. Published paper titled, "**Enhancement of IOT to connecting People and Appliances using IOE** in ECS Transactions, Jan 2022, 107(1), pp. 16351–16358 https://iopscience.iop.org/article/10.1149/10701.16351ecst/meta 2. Published paper titled, "**Assessment of the Effects of Blockchain Based Protection in Network Performance"** in Journal of Physics: Conference Series- Advances in Computer Science Engineering, Volume 1964 ,Issue-4, July 2021 https://iopscience.iop.org/article/10.1088/1742-6596/1964/4/042077 3. Published paper titled, "**Service Oriented Virtual Machine for Maximizing Quality of Service in Wireless Networks"** in Journal of Physics: Conference Series- Advances in Computer Science Engineering, Volume 1964 ,Issue-4, July 2021(Scopus Indexed) https://iopscience.iop.org/article/10.1088/1742-6596/1964/4/042086/meta 4. Published paper titled, "**A Study of Mammographic Image Segmentation with its Morphological Operation"** in Proceedings of the First International Conference on Computing, Communication and Control System, I3CAC 2021, 7-8 June 2021, Bharath University, Chennai,(Scopus Indexed) https://eudl.eu/doi/10.4108/eai.7-6-2021.2308787 5. Published paper titled, "**Smart relay for monitoring and controlling the systems**"in the International Journal of Engineering Research & Technology, April 2021. **(UGC INDEXED)**. https://www.ijert.org/smart-relay-for-monitoring-and-controlling-the-systems 6. Published paper titled, "**Silicon made switches for the development of low cost asymmetric 25 level inverter",** in Materials Today: Proceedings, Elsevier on 23.02.2021**(WEB OF SCIENCE, SCOPUS INDEXED)** https://www.sciencedirect.com/science/article/pii/S2214785321007288 7. Published paper titled, "**Development of mobile car black box with synchronous action of vehicle control unit and android mobile using berlinite material"**, in Materials Today: Proceedings, Elsevier on 23.02.2021 **(WEB OF SCIENCE, SCOPUS INDEXED)**

https://www.sciencedirect.com/science/article/pii/S221478532100729X

8. Published paper titled, **"Weighted-based path rediscovery routing algorithm for improving the routing decision in wireless sensor network"** in Journal of Ambient Intelligence and Humanized Computing, Jan 2021 **(SCI Journal, WOS, Scopus Indexed)**

https://link.springer.com/article/10.1007/s12652-020-02709-1#:~:text=In%20this%20manuscript%2C%20we%20propose,curtail%20looped%20routing%20in%20WSNs.

9. Published paper titled, '**An Emotion Recognition Based Fitness Application for Fitness Blenders'** in European Journal of Molecular & Clinical Medicine, Vol 7, Issue 2 Nov 2020 **(Scopus Indexed)**

https://ejmcm.com/article_3149.html

10. Published paper titled, **'Traffic Analysis in Vehicular Adhoc Networks using Flow and Network Level Analysis'**, in Microprocessors and Microsystems, Nov 2020 **(SCI, WEB OF SCIENCE, SCOPUS INDEXED)**

https://www.sciencedirect.com/science/article/abs/pii/S0141933120306049

11. M Balamurugan, **J K Periasamy**, M Akash, P Sricharan, A Poongodi,**'An Efficient Mechanism to Detect Skin Disease using SVM'**, in Journal of Green Engineering (JGE) Volume-10, Issue-10, October 2020 **(SCOPUS INDEXED, UGC-CARE LIST)**

http://www.jgenng.com/wp-content/uploads/2020/12/volume10-issue10-151.pdf

12. **J K Periasamy,** G Balanagireddy, B Bhuvaneswari, J JeganAmarnath, Su Suganthi,**'Safe and Optimized Cardiac Image Processing Techniques for Quantifying Right Ventricle Dimensions with Nuclear Morphological Analysis**', in Journal of Green Engineering (JGE) Volume-10, Issue-10, October 2020. **(SCOPUS INDEXED, UGC-CARE LIST)**

http://www.jgenng.com/wp-content/uploads/2020/12/volume10-issue10-179.pdf

13. Published paper titled, '**Enhancing English Speaking Skills of Engineering Students in Virtual Classroom**', in International Journal of Emerging Trends in Engineering Research, Oct 2020**(SCOPUS INDEXED)**

http://www.warse.org/IJETER/static/pdf/file/ijeter1288102020.pdf

14. Published paper titled,**'Epilepsy seizure alert system using IoT'**, in International Journal of Emerging Trends in Engineering Research, Sep 2020**(SCOPUS INDEXED)**

http://www.warse.org/IJETER/static/pdf/file/ijeter231892020.pdf

15. Published paper titled, '**Analysis of artificial intelligence of things'**, in International Journal of Electrical Engineering and Technology, Volume 11, Issue 4, June 2020, pp. 275-280, **(SCOPUS INDEXED)**

https://www.iaeme.com/MasterAdmin/uploadfolder/IJEET_11_04_031/IJEET_11_04_031.pdf

16. **J.K.Periasamy** and B.Latha, **2020**, '**An Enhanced Secure Content De-duplication Identification and Prevention (ESCDIP) Algorithm in Cloud Environment'**, in Neural Computing and Applications (in Springer), ISSN Electronic 1433-3058 | ISSN print: 0941-0643, Impact Factor - 4.664, Volume 32, Issue 2, pp.485-494, January 2020. **(WEB OF SCIENCE, SCI, SCOPUS INDEXED).**

https://link.springer.com/article/10.1007/s00521-019-04060-9

17. P Jayaselvi, **J K Periasamy**, M.PadmaPriya, S Samundeswari, 2019 **"A Methodology for Sea border Intrusion Alert and Black Box System using IOT"** International Journal of Psychosocial Rehabilitation ISSN: 1475-7192, Volume-23 Issue-4, Dec 2019. (SCOPUS INDEXED).

https://www.psychosocial.com/article/PR190385/9105/

18. M.PadmaPriya, **J K Periasamy**, P Jayaselvi, R AdityaSiddharth 2019 **"Real TimeText Detection and Shopping Assistance for the visually Impaired",** International Journal of Psychosocial Rehabilitation ISSN: 1475-7192, Volume-23 Issue-4, Dec 2019. (SCOPUS INDEXED).

https://www.psychosocial.com/article/PR190386/9107/

19. A.Ganga, **Periasamy J.K**, N.Gopinath, D.Sathishkumar, 2019, **"IoT Based Passenger Comfort and Services in Railways"** in International Journal of Recent Technology and

Engineering ISSN: 2277-3878, Volume-8 Issue-4, pp.7081-7084, November 2019. (SCOPUS INDEXED).

https://www.ijrte.org/wp-content/uploads/papers/v8i4/D5239118419.pdf

20. R. Premanand, J.K Periasamy, Deepa M, Hemavathi M, Manibharathi R, 2019, **"Assured Way to Manage Various Controls in Cloud"** International Journal of Recent Technology and Engineering ISSN: 2277-3878, Volume-8 Issue-4,pp.7125-7126 November 2019(SCOPUS INDEXED).

https://www.ijrte.org/wp-content/uploads/papers/v8i4/D5248118419.pdf

21. M.Balamurugan, **Periasamy J.K**, C.Gnanapriya, K.Vijiyalakshmi, E.Vanitha 2019, **"Efficient healthcare framework for senior benefaction**", International Journal of Innovative Technology and Exploring Engineering ISSN: 2278-3075, Volume-9, Issue-1,pp. 3084-3086, November 2019. (SCOPUS INDEXED).

https://www.ijitee.org/wp-content/uploads/papers/v9i1/A9138119119.pdf

22. R.SharmikhaSree, S.Meera, K.Valarmathi, **J.K.Periasamy**, 2019, **"Integrated Ambulance service with advanced Real time Traffic Control systems"** in International Journal of Engineering and Advanced Technology ISSN: 2249 – 8958, Volume-9 Issue-1, pp. 5261-5264, October 2019. (SCOPUS INDEXED).

https://www.ijeat.org/wp-content/uploads/papers/v9i1/A2954109119.pdf

23. **J.K.Periasamy,**Deepa.M, Manibharathi.R, Hemavathi.M,2019 **'Secured Way To Manage Various Attacks in Cloud',** International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 6, pp.124-128, June 2019,.(A UGC Approved Journal).

http://www.jetir.org/papers/JETIRDF06026.pdf

24. **J.K.Periasamy,**Aathira H N, Akshya P, Vaishnavi R, Sethu Raman K, **2018**, **'Reliable multilayer Architecture for Privacy Preserving in Cloud'**, International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) ISSN: 2394-2320 (on-line version), Volume 6 Issue No. 7, pp. 78-92, July 2018. .(A UGC Approved Journal).

https://www.technoarete.org/common_abstract/pdf/IJERCSE/v6/i7/Ext_17425.pdf

25. **J.K.Periasamy** and B.Latha, **2019**, **'Efficient Hash Function based Duplication Detection Algorithm for Data Deduplication Deduction and Reduction'**, in Concurrency and Computation-practice & Experience, ISSN Electronic 1532-0634 | ISSN print: 1063-283X Impact Factor - 1.167, published on **Feb 2019**. **(WEB OF SCIENCE, SCI, SCOPUS INDEXED).**

https://doi.org/10.1002/cpe.5213

26. Gurusubramani S, Suresh Anand M, **Periasamy J.K, 2018,"Probabilistic Broadcast Protocol for Data Gathering using neighbour nodes in Mobile Iot",** in Indian Journal of Public Health Research & Development Volume. 9, Issue 3, **2018** pp.779-782 Print ISSN:0976-0245. Online ISSN: 0976-5506. **(SCOPUS INDEXED).**

http://dx.doi.org/10.5958/0976-5506.2018.00383.2

27. J.JeganAmarnath, Pradeep Kumar Sahoo, **J.K.Periasamy,**Sanjana. D, **2018**, **'Alert Clustering Method for Intrusion Detection'**, International Journal of Pure and Applied Mathematics ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version), Volume 118 No. 19, pp. 2703-2720. **(SCOPUS INDEXED).**

https://acadpubl.eu/jsi/2018-118-19/articles/19b/79.pdf

28. **J.K.Periasamy** , **2018**, **'On-Time Order Effortless Replenishment Ordering of Merchandise Using Internet Of Things'**, International Journal of Pure and Applied Mathematics Volume 118 No. 19 ,**2018**, 2713-2725.ISSN: 1311-8080 (printed version); ISSN: 1314-3395.**(SCOPUS INDEXED).**

https://acadpubl.eu/jsi/2018-118-19/articles/19b/80.pdf

29. V.Lalithaand**J.K.Periasamy**, **2018**, **'Mobile Based Secured Student Online Exam System'**, International Journal Of Engineering and Technology, 7(1.7) **2018** pp.118-120. **(SCOPUS INDEXED).**

http://dx.doi.org/10.14419/ijet.v7i1.7.9588

30. **J.K.Periasamy** and B.Latha, **2018**, **'Secure and Duplication in Cloud using Cryptographic Hashing Method'**, International Journal Of Engineering and Technology, 7(1.7) **2018** P.no-105-108. **(SCOPUS INDEXED).**

    http://dx.doi.org/10.14419/ijet.v7i1.7.9585

31. S.Gurupriya, H. Rehana Parveen, R. Aishwarya, **J. K. Periasamy**, **2018**,**'Enhanced Security For Data Transfer in Cloud'**, International Journal of Advanced Research in Computer Science,Volume 9, No.2. ISSN NO:0976-5697.P.No:270-173.(A UGC Approved Journal).

    http://dx.doi.org/10.26483/ ijarcs.v9i2.5569

32. **J.K.Periasamy** and B.Latha, **2016**, **'Cloud Storage augmentation with multi user repudiation and data de-duplication'**, in International Journal of Advanced Engineering Technology, Vol.7, No. 1, E-ISSN: 0976 –3945, pp. 797-803. **(Annexture 1)**

    http://www.technicaljournalsonline.com/ijeat/VOL%20VII/IJAET%20VOL%20VII%20ISSUE%20I%20JANUARY%20MARCH%202016/201671144.pdf

33. Monica Merlin.N and Periasamy.J.K, 2016**, "GLOBAL AUDITING FOR DYNAMIC DATA WITH MULTIPLE USER REPUDIATION"**, in International Journal of Science and Innovative Engineering & Technology (ISBN 978-81-904760-8-9) Issue Volume 1.

    https://www.ijsiet.org/icsie16/682016.pdf

34. Published paper titled, '**The Enhancement of Storage and Bandwidth Optimization using Data De-Duplication**', In International Journal of Applied Engineering Research Vol 9, Number 20, 9th & 10th January 2015.

    https://www.ripublication.com/Volume/ijaerv9n20spl.htm

35. Published paper titled, '**Robust Face Recognition Technique Based on Granular Computation and Hybrid WLD Spatial Feature Extraction'**, in International Journal of Advanced and Innovative Research(2278-7844) Volume 3, Issue 5, **2014**, pp.106-112. http://www.advanceresearchlibrary.com/vol3ijair4.aspx

	36. J.K.Periasamy, B.Sneha, G.Sarangan, S.Madhumitha, G.Kalaivani **2014**, '**A New Approach to vehicle security system using face recognition'**, in International Journal of Advanced and Innovative Research(2278-7844) Volume 3, Issue 4, pp.44-48. http://www.advanceresearchlibrary.com/vol3ijair5.aspx 37. Published paper titled, '**Gleaner's succor- An android solution for geoponic**' in International Journal for Advanced Research in Engineering and Technology, Vol. 2, Issue III, **March 2014**. http://www.ijaret.org/2.3/AN%20ANDROID%20SOLUTION%20FOR%20GEOPONIC.pdf 38. **J.K.Periasamy** and B.Latha, **2014**, '**Zombie avoidance using attack analyzer in cloud environment'**, in International Journal of Engineering Research and Technology, Vol.3 Issue 4, ISSN:2278-0181. https://www.ijert.org/research/zombie-avoidance-using-attack-analyzer-in-cloud-environment-IJERTV3IS041961.pdf 39. Thamarai selvi B, **Periasamy J.K,** Rashmi.R and Ponmaniraj.S, **2013**, '**Advancement of routing and forwarding in MANET'**, in International Journal Of Computer Science and Information Technologies, Vol.2, ISSN: 2278 –9669, pp. 17-21. https://ijcsit.org/IJCSIT-iss2-p4.pdf
14	**National Publications :**
	1. Published paper titled, **'Quantum Computing: An Introduction'** in CSI Communications, Feb 2020. http://www.csi-india.org/downloads/pdf/2/csic%20february(2020).pdf
15	**Programs Organized :**
	1. Organized project exhibition of our department in 2013. 2. Organized mini project exhibition of our department in 2018. 3. Organized all Seminar and Workshop from 2011 to 2018. 4. Organized all EAC programs from 20016 to 2022. 5. Organizing all CSI events from 2007 to 2022.

	6. Organizing Secretary for International Conference on Computational Science and Technology (ICCST2020) held on March 05-06, 2020	
16	**Programs Attended:**	
	Workshop / FDP / SDP Attended: 1. Attended 5 days FDP on "**Inculcating Universal Human Values in Technical Education**" from 30.01.23 to 03.02.23 organized by All India Council for Technical Education. 2. Attended One week FDP on "**Communication and Computation**" from 13.12.22 to 19.12.22 organized by Dr. MGR Educational and research Institute University 3. Attended One week National Level FDP on "**Recent Technologies**" from 29.11.22 to 06.12.22 organized by Sathyabama Institute of Science and Technology. 4. Attended One week FDP on "**Emerging Research Trends in Computing Technologies**" from 28.11.22 to 02.12.22 organized by Dr. MGR Educational and Research Institute University 5. Attended 12 weeks FDP on "**Programming in Java**" from July 2022 to Oct 2022 organized by NPTEL-AICTE. 6. Attended an ISTE-CSI Sponsored 5 days Virtual FDP **"Insights and Open Challenges in Computing Technologies"** Conducted by CSE Dept / Sri Sairam Engineering College from 11.07.2022 to 15.07.2022 7. Participated in the Online Faculty Development Program on **New Trends in Teaching English for Engineering students** organized by SRM Institute of Science and Technology on 10 Dec 2021 8. Participated in ATAL FDP on **Machine Learning** Organized by All India Council for Technical Education from 7th Dec 2020 to 11th Dec 2020 at R M K College of Engineering and Technology. 9. Participated in ATAL STTP on **Incorporating the techniques of BlockChain and Artificial Intelligence to face the security and privacy challenges of IT infrastructure - Industry approach and Implementation** organized by All India Council for Technical Education from 23rd Nov 2020 to 28th Nov 2020 at KCG College of Technology. 10. MHRD - **Kapila Program for IP Literacy and awareness** attended National IP Literacy week from 15.10.2020 to 23.10.2020 (Certificate Received)	

11. Participated in ATAL FDP on **Data Science** organized by All India Council for Technical Education from 28th Sep 2020 to 2nd Oct 2020 at IFET College of Engineering.

12. Participated in the Faculty Development Program on **Data Science** organized by Centre for Data Science and Artificial Intelligence from 24th Aug 2020 to 28th Aug 2020.

13. Participated in the Faculty Development Program on **Process Management in Problem Solving** conducted by ICT Academy from 18th Aug 2020 to 22nd Aug 2020.

14. Participated in the Faculty Development Program on **Python 3.4.3** held in Adhiparasakthi Engineering College, Melmarvathur from 16th April 2020 to 22nd April 2020.

15. Participated in AICTE sponsored Faculty Development Program on **Artificial Intelligence & Machine Learning Using Data Science** held in S.A. Engineering College, Chennai from 22ndNovember 2019 to 5thDecember 2019.

16. Participated in **FDP on NextGenTechStack**at Sri Sairam Engineering College from 8th to 12th April.2019.

17. Participated in **AWS Academy Educators Meet 2019** held on 07 February 2019 at Radisson Blu GRT, Chennai, India.

18. Participated in Faculty Development Program on **Machine Learning Using Azure** held in Muthayammal Engineering College, Rasipuram from 10thDecember 2018 to 15thDecember 2018.

19. Participated in **FDTP on GE8151-PROBLEM SOLVING & PYTHON PROGRAMMING** at Sri Sairam Engineering College from 11th to 18th June.2018.

20. Participated in **AWS Academy Educators Meet 2018** held on 15 February 2018 at Radisson Blu GRT, Chennai, India.

21. Participated in Tech Workshop on Redhat (Open Source) Technology & Industry Adaptation held in Sri Sairam Engineering College on 5th December 2017.

22. Participated in AWS Workshop on **AWS Academy Cloud Computing Architecture** held in Tensor Infotech Private Limited Chennai from 21stNovember 2017 to 24thNovember 2017.

23. Participated in the Faculty Development Program on **Grid and Cloud computing** held in Sri Sairam Engineering College from 08th August 2016 to 09th August 2016.

24. Participated in a 4 day workshop on **Mobile Application Development** held in Sri Sairam Engineering College with Narbhavisoftlab from 17thFebruary 2016 to 20th February 2016.

25. Participated in Faculty Development Program on **Mobile Application Development Laboratory** held in **Jeppiaar SRR Engineering College** from 30th October 2015 to 31st October 2015.

26. Participated in the Faculty Development Program on **Cloud computing and Big Data** held in Sri Sairam Engineering College from 08th December 2014 to 09th December 2014.

27. Participated in the Faculty Development Program on **'Big Data and Internet of Things'** held in Sri Sairam Engineering College from 10th February2014 to 14th February 2014.

28. Participated in AICTE sponsored seminar on **Cloud computing and Mining**, held in Sri Sairam Engineering College from 26th September 2013 to 27th September 2013.

29. Participated in Tutorial Session on **Cloud computing and Semantic Web**, held in Sri Sairam Engineering College from 4thJanuary 2013 to 5th January 2013.

30. Participated in the Faculty Development Program on **Soft Computing and Open Source Software** held in Sri Sairam Engineering College from 20th August 2012 to 24th August 2012.

31. Participated in the Faculty Development Program on **"Role of Academic Excellence in Developing World Class Higher Learning Institutions and Faculties**" held in Sri Sairam Engineering College on 12**th** Dec 2012.

32. Participated in the Faculty Development Program on "**MATLAB Applications in Electrical Engineering**" held in Sri Sairam Engineering College on March 2012.

33. Participated in the Faculty Development Program on **Service Oriented Architecture** held in CTS on 12th February 2012, Chennai.

34. Participated in One day workshop on **"Art of Journal and Thesis Writing"**held in Sri Sairam Engineering College on 19th January 2012.

35. Participated in the Staff Development Program on **"Soft Computing with AI"** held in Sri Sairam Engineering College from 15th September 2011 to 28th September 2011.

36. Participated in the Staff Development Program on "**Recent Developments in Computing**" held in Sri Sairam Engineering College in April 2010.

37. Participated in the Staff Development Program **"Mobile Networks"** held in Sri Sairam Engineering College from 19th January 2009 to 30th January 2009.

38. Participated in the Staff Development Program **"Web Services and Application**" held in Sri Sairam Engineering College in May 2008.

39. Participated in the Staff Development Program **"Instructional Design & Delivery**" held in Sri Sairam Engineering College in Jan 2008.

40. Participated in Staff Development Program **"Information Technology in Telemedicine and E-Health**" held in Sri Sairam Engineering College from 9th to 21[st]July 2007.

41. Participated in Short Term Training Programme on **MiddleWare Technologies** held in Sri Sairam Engineering College from 5th to 6th April 2006.

Programming Contest Participated:

1. Proctor to guide and oversee competing teams for the **IEEEXtreme** 16.0 Programming competition on 22nd October 2022.

2. Completed the requirements to be recognized as **AICT Academy Certified Trainer in C Programming** held in Sri Sairam Engineering College from 25th June 2018.

3. Participated in team **NYX** in Smart India Hackathon, 2018 at College of Engineering Pune on 30th& 31st March 2018.

4. Participated in NPTEL online Certification course **Cloud Computing** and secured 60% of marks from Feb-Mar 2018(8 week course)

5. Participated in NPTEL online Certification course **Problem Solving Through Programming in C** and secured 75% of marks from Jan-Apr 2018(12 week course)

6. Participated and exhibited the project, '**Medstaza**' in the final round of SRISHIT 2018 held at SAINTGITS College of Engineering on 26th& 27th January 2018.

	7. Completed 60 hours of Professional Development Oracle Academy Course on **Java Fundamentals and Programming** held in Sri Sairam Engineering College from 25th April 2016 to 29th April 2016. 8. Participated in a certificate course on **"Object Oriented Analysis and Design using UML with Essentials Rational Software Architect"** organized by IBM Software Education on 20th April 2011 to 26th April 2011. 9. Participated in **"Empowering Teachers for Enhancing SC/ST Students Employability"** funded by TAHDCO and organized by Center for University Industry Collaboration, Anna University Chennai during the period from 03.05.2010 to 07.05.2010 held at R.M.K Engineering College, Gummidipoondi, Thiruvallur. 10. Participated in the **Amritapuri Site Asia Region Onsite Contest** held in AMIRTA University on November 1 2009.
17	**Funds Received from AICTE,/ UGC / DST/ TNSCST, etc:**
	Nil
18	**Contribution to the Department :**
	Acted as Class Coordinator Acted as a Resource Person Acted as a Session Chair for Conference Acted as Inplant Training Coordinator Acted as Alumni coordinator Acted as Symposium Coordinator Acted as Seminar and Workshop Coordinator Acted as Criteria 8 In-charge for NBA Acting as Industrial Visit Coordinator Acting as International Conference Organizing Secretaries Acting as EAC coordinator Acting as Criteria 4 In-charge for NBA

	Acting as Criteria 1 In-charge for NAAC
	Acting as Code club Coordinator
	Acting as CSI Coordinator
	Acting as Oracle Trainer
	Acting as AWS Coordinator
	Acting as Course Coordinator
	Acting as Content Moderator
18	**Contribution to the College :**
	Acting as CSI coordinator
	Acting as Anna University Theory Exam Cell Member
	Acting as Youth Talk Coordinator
	Working for Best Accredited Student Branch Award from CSI (Every Year)
	Acting as Various Committees in college level events.
20	**Any other relevant information:**
	1. Acted as Institutional Ambassador of IFERP
	2. Received Longest Continuous SBC award from Computer Society of India on Jan 2018
	3. Received Best Teacher Award from Technical Research Publications on Oct 2020
	4. Received Research Excellence Award 2020 for publishing paper in Neural computing and application from Institute of Scholars on Dec 2020
	5. Received Active Participation (SBC) in CSI Activities Award 2021-2022 from CSI Kancheepuram Chapter on 30.03.2022
21	**Books Published**
	1. Published a Book Chapter titled, "Recent Trends in Intelligent Automation and Computing Techniques" on the topic "Framework for communication between teachers and student based on RFID" ISBN: 978-93-94639-07-2, Publisher: Dipti Press OPC Pvt Ltd. Chennai. Dec 2022
	2. Published a book chapter titled, **"Technical Analysis on Spammer detection using Machine Learning and data mining techniques"** in a Book titled "**Machine Learning**

and Applications". ISBN: 978-93-86923-47-9, Publisher: Dipti Press OPC Pvt Ltd. Chennai. Sep 2020.

3. Published a book chapter titled, '**Artificial Intelligence**' in the book titled '**Emerging Technologies in Engineering Research**' ISBN: 978-93-5419-211-1 (Online), Technical Research Publications, Oct 2020.

4. Published a book chapter titled, '**A Blockchain Oriented Hybrid Architecture for the Protection of Privacy**' in the book titled '**Cloud Computing with Wireless Network and Pattern Recognition**' ISBN 978-81-952585-3-6, Dipti Press Pvt. Ltd, 2021

5. Published a book chapter titled, '**Fog-Computing: A Novel Approach for Cloud-Based Devices Using Perceptual Cloning Manifestation-PerColNif Taxonomy by Energy Optimization**' in the book **Energy Conservation Solutions for Fog-Edge Computing Paradigms** by Springer 2022

6. Published a book chapter titled, 'Framework for communication between teachers and students based on RFID' in the book Recent Trends in Intelligent Automation and Computing Techniques by Dipti Press Pvt Ltd., Jan 2023. ISBN 978-93-94639-07-2