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**: Cloud Computing **Title**: Enhanced Secure Content Deduplication using Effective Hash Function and Chunking Algorithm **PDF** National Kaohsiung University of Science and Technology, Taiwan - January 2026 **Domain**: Cloud Computing **Title**: Enhancing cloud Security by performing deduplication using serial cascaded autoencoder with GRU and optimal key-based data sanitization
3	**Designation/Dept.**		Associate Professor/CSE
4	**Area of Specialization**	:	Wireless Networks, Cloud Computing and Data Science
5	**Year of Experience**	:	**Teaching: 21** Years and 07 Months **Industry**: Nil

6	No. of Workshops/FDP/ SDP Attended	:	52
7	Publications	:	**Patents:** Published : 31 Granted : 05 Book & Book Chapter : 14 **Journal:** International : 56 National : 01 **Conference:** International : 28 National : 15 **Indexed:** SCI : 10 WOS : 03 SCOPUS : 41 Others : 60
8	**Research Guidance**	:	Nil
9	**Professional Societies Membership :** IEEE Senior Member-91287898, CSI- I1505852, ISTE-LM131578, IAENG-122017, IACSIT-80344662, IFERP-PMIN42687901		
10	**Patents Details :**		
	1. **Cross-Chain Asset Tokenization System and Method with Embedded Identity Encoding and Interoperable Trust Management** Application No.202641004036 Date of filing of Application :14/01/2026, Publication Date : 30/01/2026 **(IPR PATENT)** https://drive.usercontent.google.com/download?id=1Y8IVGx6D8ilzALsSK60EgCKe UrESFVJC&authuser=0&acrobatPromotionSource=gdrive_chrome-list		

2. **Artificial Intelligence-Driven Intrusion Detection and Prevention System for Adaptive Network Security** Application No.202541106217 Date of filing of Application :31/11/2025, Publication Date : 28/11/2025 **(IPR PATENT)**

https://drive.google.com/drive/u/0/folders/1odmTCDmmt8PAgbkMhamJXsPrf1lhv8ij

3. **A METHOD FOR PRIVACY-PRESERVING FACE RECOGNITION USING ENCRYPTED FEATURES** Application No.202521105247 Date of filing of Application :31/10/2025, Publication Date : 21/11/2025 **(IPR PATENT)**

https://drive.usercontent.google.com/download?id=1mlUY1XtzRUq44EoKOwCqwZAVUJvpttbK&authuser=0&acrobatPromotionSource=gdrive_chrome-list

4. **QUBIT-LEVEL ERROR DETECTION SYSTEM AND METHOD USING PROBABILISTIC STATE MAPPING** Application No.202521083107 Date of filing of Application :02/09/2025, Publication Date : 19/09/2025 **(IPR PATENT)**

https://drive.google.com/file/d/1LN0PLQOCRt5yZF5_RWkqQ-NJEq5kKIC_/view?usp=drive_link

5. **A SYSTEM AND METHOD FOR DETECTING CYBERSECURITY THREATS USING DEEP LEARNING-BASED ANOMALY DETECTION TECHNIQUES** Application No.202521067999 Date of filing of Application :16/07/2025, Publication Date : 01/08/2025 **(IPR PATENT)**

https://drive.google.com/file/d/15nBNIsf6BdasQQPwQrqZO69JEId_Ip9r/view?usp=drive_link

6. **A SYSTEM AND METHOD FOR AI-DRIVEN PREDICTIVE MAINTENANCE OF IOT DEVICES USING REAL-TIME ANOMALY DETECTION AND FAILURE FORECASTING** Application No.202541042472 Date of filing of Application:01/05/2025, Publication Date : 30/05/2025 **(IPR PATENT)**

https://drive.google.com/file/d/1zQGgoMP-8E-gRR0erXC7XApyFtCvZcRp/view?usp=drive_link

7. **BLOCKCHAIN-BASED SECURITY PROTOCOL SYSTEM AND METHOD FOR IOT DEVICES** Application No.202541010839 Date of filing of Application :09/02/2025, Publication Date : 14/02/2025 **(IPR PATENT)**

   https://drive.google.com/file/d/1L0bPTsVY_viNfnNuYP7Hl41so0B3oppo/view?usp=drive_link

8. **IoT-Enabled Intelligent Fire Detection and Safety Management System** Application No.202441096106   Date of filing of Application :05.12.2024, Publication Date : 13.12.2024 **(IPR PATENT)**

   https://drive.google.com/file/d/17p5rLrzmZS9P6GcdmYKnhDBOj0JQ1rE4/view?usp=drive_link

9. **SHOPPING ASSISTANCE CART** Application No.431330001 Date of filing of Application :01.07.2024, Publication Date : 23.09.2024 **(IPR PATENT)**

10. **ROBOTIC SURGICAL SYSTEM WITH AI-ASSISTED NAVIGATION AND PRECISION CONTROL** Application No.202441064108   Date of filing of Application :25.08.2024, Publication Date : 06.09.2024 **(IPR PATENT)**

    https://drive.google.com/drive/u/1/folders/1odmTCDmmt8PAgbkMhamJXsPrf1lhv8ij

11. **FRAMEWORK FOR THE INTRUSION DETECTION OF CYBERSECURITY ATTACKS BASED ON DATA MINING AND MACHINE LEARNING** Application No.202441044112, Filling of Application: 06.06.24, Published Date: 21.06.2024. **(IPR PATENT)**

    https://drive.google.com/file/d/1vNY4I5przUR306cntJIlHmrMeVq9d1kG/view

12. **AUTOMATED HEALTH DIAGNOSIS AND MEDICINE DISPENSER** Application No. 202341071326, Filling of Application: 19.10.23, Published Date: 03.11.2023. **(IPR PATENT)**

    https://drive.google.com/file/d/1bndNpMPZ6RzI943lggjcjCP0NJJkKKKt/view?usp=sharing

13. **A blockchain based novel machine learning approach for smart health care framework** Application No. 202341051245, Filling of Application: 30.07.23, Published Date: 01.09.2023. **(IPR PATENT)**

https://drive.google.com/file/d/1ziz4TnKPmHALDjCvTy-_Iuivu4TbRrL6/view?usp=sharing

14. **An analytics interface for providing cyber threat detection and security system,** Filling of Application: 22.07.23, Published Date: 01.09.2023 Patent Application No. 202341049516 **(IPR PATENT)**
https://drive.google.com/file/d/1YyjegYHEjCfXmBKxtjq8DSooCY6JOE_a/view?usp=sharing

15. **An Association Rule Mining Algorithm that protects users personal information when using encrypted data in the cloud,** Filling of Application: 11.07.23, Published Date: 01.09.2023 Patent Application No. 202341046440A. **(IPR PATENT)**

https://drive.google.com/file/d/1K5go_YVLgcarBxxoSAvmokLQ_Dk2ohi6/view?usp=sharing

16. **Workflow Scheduling in FOG-Cloud Computing Using a Quantum Genetic Algorithm,** Application No. 202321043817 Filling of Application: 29.06.23, Published Date: 04.08.2023 **(IPR PATENT)**

https://drive.google.com/file/d/1pQ1M2mqa3iE6KX7oHWP-x6Pds4R2z21Y/view?usp=sharing

17. **A System for providing security using a Plurality of factors for IOT Gadgets** Application Number 202341040746, Publication Date: 30-06-2023 **(IPR PATENT)**

https://drive.google.com/file/d/1HTN2Y1KtZCUOPocWTnQ89UKN7dkV_LYo/view?usp=sharing

18. **A Real Time Streaming Analytics for Internet of Things (IOT) Data** Application Number **202341029933**, Publication Date: 05-05-2023 **(IPR PATENT)**

https://drive.google.com/file/d/1C-Ml9YVgSo9YaZSSPjuoDwB8jxcCIZrB/view?usp=sharing

19. **MONITORING AND SURVEILLANCE OF OBJECTIVES THROUGH SOCIAL NETWORKS FOR DEFENCE AND CYBER INTELLIGENCE** Application Number **202341025424**, Publication Date: 05-05-2023 **(IPR PATENT)**

https://drive.google.com/file/d/1AWtSAWg7y3vF2_4u08jlbO0Fz0pBBdlM/view?usp=sharing

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

    https://drive.google.com/file/d/1dmHI2DIxinnMhmJHUiMCaXs9KcA89Z9A/view?usp=sharing

21. **Crane Operated Blindspot Area To Avoid Accident** Application Number 202141016369, Publication Date: 23-04-2021**(IPR PATENT)**

    https://drive.google.com/file/d/15UpKbAX0E3pD2kDinSB45gK3xT0mVdQG/view?usp=sharing

22. **Voice Based Alerting and Assisting Tool for Visually Challenged** Application number 202141005842, Date of filing of Application :11/02/2021, Publication Date: 19.02.2021 **(IPR PATENT)**

    https://drive.google.com/file/d/1i9IbtNF2CDZGuhUwRrgNahssiy0sXXTS/view?usp=Isharing

23. **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)**

    https://drive.google.com/file/d/1rk3wrKOLslmvC5Q_nwRF5ye_da3qNUJO/view?usp=sharing

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

    https://drive.google.com/file/d/10c8WvXBo02WEagnQbZ9dfEN-rGiF3nOq/view?usp=sharing

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

    https://drive.google.com/file/d/1aaBl-kmc45czwdp_9UAdiLknxlqKjMI5/view?usp=sharing

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

    https://drive.google.com/file/d/1ZAceAiwSKyJMaHos8vVeve1dpduBIp0Z/view?usp=sharing

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

    https://drive.google.com/file/d/1MYEw8YEl7FQppKcwwIq6NRl2ISqD4w0-/view?usp=sharing

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

    https://drive.google.com/file/d/11RHmcvz2I1e9WPXXvTFtYHri2JTj6wNu/view?usp=sharing

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

    https://drive.google.com/file/d/13wL7qFszNFDrGGnZlTO-P26fLHo6lIAW/view?usp=sharing

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

    https://drive.google.com/file/d/1pq-pfLOmIalowSVjQ5JRe9WI_olCFS0y/view?usp=sharing

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

    https://drive.google.com/file/d/1VS_vfseePO4tin2dptOGVVlGOe5L4zFM/view?usp=sharing

	32. **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)** https://drive.google.com/file/d/1CMHfHD_VAOolpX3WPyU9ieWU6PWfenxG/view?usp=sharing **33.** **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)** https://drive.google.com/file/d/15KfQOrTg4YgxvzGdOxxkBWHHGA2QUT1i/view?usp=sharing **34.** **PORTABLE LOW COST SMART SPIROMETER USING EMBEDDED & IOT** Application No.202041029484 A, Publication Date : 31/07/2020 **(IPR PATEN)** https://drive.google.com/file/d/1PjbM7zkzbchgj9XoqoVrQjfA8H-Uio0C/view?usp=drive_link **35.** **HOME ANALYSIS FETAL HEART RATE MONITORING AND KICKING MEASUREMENT USING EMBEDDED AND IOT** Application No.202041029995 A Publication Date : 31/07/2020 **(IPR PATENT)** https://drive.google.com/file/d/1BYRUwhKUds7cxbitnOEUOXrARNQ0zSm8/view?usp=sharing **36.** **DESIGN AND FABRICATION OF CHILD RESCUE MACHINE FROM TUBE WELLS WITH WEIGHT CONSTRAINT USING SENSORS AND WIRELESS CAMERA** Application No.202041030735A Date of filing of Application :06.07.2020, Publication Date : 31/07/2020 **(IPR PATENT)** https://drive.google.com/file/d/15KfQOrTg4YgxvzGdOxxkBWHHGA2QUT1i/view?usp=sharing
11	**International Conference (s) :**

1. **JK Periasamy, M Preetha, S Kamali, J Monisha** "**Aqua Pulse: Advanced Sensor System for Water Health**" in 2025 International Conference on Computing and Communication Technologies (ICCCT), **16th April 2025** **(Scopus Indexed)**

   https://ieeexplore.ieee.org/abstract/document/11019859

2. **JK Periasamy, N Gunasundhari, R Sharlatha, Sreenithi** "**Climatic Oracle: Unveiling Future Weather Trends with Data Science**" in 2024 International Conference on Smart Technologies for Sustainable Development Goals (ICSTSDG), **6th November 2024** **(Scopus Indexed)**

   https://ieeexplore.ieee.org/abstract/document/11026688

3. **JK Periasamy, K. Raagavi, P.Tarun Ashwanth** "**Survey on Advanced Techniques for Cardiac Arrest Prediction Using Machine Learning**" in 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), **8th October 2024** **(Scopus Indexed)**

   https://ieeexplore.ieee.org/abstract/document/10780403

4. **JK Periasamy, R Elamathi, S Subhiksha** "**Guarding Against Data Breach**" in IEEE 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS), **12th December 2023** **(WOS,Scopus Indexed)**

   https://ieeexplore.ieee.org/document/10449222

5. **JK Periasamy, R Elamathi, S Subhiksha** "**Data Leakage Vulnerability Assessment**" in IEEE 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS), **12th December 2023** **(WOS,Scopus Indexed)**

   https://ieeexplore.ieee.org/document/10448949

6. **JK Periasamy, Luxi Shanu CG, S Subhashree** "**MARUNCURA-Tomorrow's Care, Today's Technology**" in IEEE 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS), **12th December 2023** **(WOS,Scopus Indexed)**

   https://ieeexplore.ieee.org/document/10449097

7. JK Periasamy, K Raagavi, N Sangamithra, P Shwetha Darshini "Automated Health Diagnosis and Medicine Dispenser" in IEEE 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS), 12th December 2023 (WOS,Scopus Indexed)

   https://ieeexplore.ieee.org/document/10449247

8. JK Periasamy, K Raagavi, N Sangamithra, P Shwetha Darshini "Tech-Enabled Elderly Care: The MDVMD's Approach to Medication Adherence and Health Monitoring" in IEEE 2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS), 12th December 2023 (WOS,Scopus Indexed)

   https://ieeexplore.ieee.org/document/10448883

9. J K Periasamy, K Raagavi, N Sangamithra, P Shwetha Darshini, "Secure and Enhanced Medical Data Repository", in IEEE 2023 6th International Conference on Contemporary Computing and Informatics (IC3I), 14th September 2023 (WOS,Scopus Indexed)

   https://ieeexplore.ieee.org/abstract/document/10398012

10. M Sangeetha, B Srinivasa Kumar, K Chokkanathan, Ashok Kumar, S Krishna Prabha, Sivakumar Sattanathan, J.K Periasamy "Developing Algorithms for Personalized Recommendations Based on User Behavior" in 2023 5th International Conference on Inventive Research in Computing Applications (ICIRCA), Aug 2023, pp; 1152-1158 (WOS,Scopus Indexed)

    https://iopscience.iop.org/article/10.1149/10701.16351ecst/meta

11. J.K Periasamy, S Buvana, P Jeevitha. "Comparison of VGG-19 and RESNET-50 Algorithms in Brain Tumor Detection", in 2023 IEEE 8th International Conference for Convergence in Technology (I2CT), 4th July 2023 (WOS,Scopus Indexed)

    https://ieeexplore.ieee.org/abstract/document/10126451

12. J.K Periasamy, R Srinidhi, S Srividhya "A Deep Learning Approach for Twitter BOT detection" in ICCST '22 ,IEEE International Conference on Computational Science and Technology,9th and 10th November 2022(WOS,Scopus Indexed)

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

13. J.K Periasamy, V Dakiniswari, K Tapasya, **"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.**(WOS,Scopus Indexed)**

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

14. J K Periasamy, S Subhashree, Luxi Shanu CG, **"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. **(WOS,Scopus Indexed)**

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

15. J.K. Periasamy; Mukilan I K; Karthik Prasad T, **"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. **(WOS,Scopus Indexed)**

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

16. J K Periasamy, Manju Bharghavi VR, D Jothishree, "**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. **(WOS,Scopus Indexed)**

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

17. 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.

https://drive.google.com/file/d/1GgIWnKWupvX1kEfjtxUKNZ7NaR4RmvKX/view

18. 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

https://www.ijert.org/research/smart-relay-for-monitoring-and-controlling-the-systems-IJERTCONV9IS05099.pdf

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

20. 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.

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

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

23. 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.

24. 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.

25. 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.

26. 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.

	27. 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,(WOS, Scopus Indexed) https://ieeexplore.ieee.org/document/6488227 28. 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. JK Periasamy, S Prabhakar, A Vanathi, Liu Yu, **"Enhancing Cloud Security by Performing Deduplication Using Serial Cascaded Autoencoder With GRU and Optimal Key‑Based Data Sanitization"** in Computational Intelligence, 10/2025; 41(5):pp. e70140 **(SCI,WOS, Scopus Indexed)**

   https://onlinelibrary.wiley.com/doi/abs/10.1111/coin.70140

2. JK Periasamy, S Prabhakar, A Vanathi, Liu Yu, **"Enhancing cloud security and deduplication efficiency with SALIGP and cryptographic authentication"** in Scientific Reports, 17th August 2025; 15(1):pp. 30112 **(SCI,WOS, Scopus Indexed)**

   https://www.nature.com/articles/s41598-025-14972-3

3. JK Periasamy, Shrabani Mallick, Sridevi Chitti, S Sivasakthi, Bindu KV, Ezudheen Puliyanjalil **"Tuna Swarm Algorithm Based Robust Node Localization Scheme in Wireless Communication Networks"** in International Research Journal of Multidisciplinary Scope (IRJMS), 2025; 6(3):1426-1437 **(Scopus Indexed)**

   https://www.irjms.com/wp-content/uploads/2025/07/Manuscript_IRJMS_04022_WS.pdf

4. N Padma Priya, G Mohanbabu, C Sowntharya, M Saravanan, S Rukmani Devi, B Shanmuga Raja, JK Periasamy, V Vignesh Kumar, **"Enhancing industrial software security: A vulnerability threat assessment model based on CVSS 3.1 and bayesian networks"** in AIP Conference Proceedings, 11th April 2025, Vol 3270(1) pp. 020241 **(Scopus Indexed)**

   https://pubs.aip.org/aip/acp/article-abstract/3270/1/020241/3343939/Enhancing-industrial-software-security-A

5. M Anita, B Usha Rani, JK Periasamy, TK Sethuramalingam, E Uma Maheswari, K Baranidharan, R Srinivasan, V Vijayan, **"Optimizing task scheduling in fog computing: Adaptive algorithms for enhanced security and efficiency in IoT environments"** in AIP Conference Proceedings, 11th November 2024, Vol 3193(1) pp. 020029 **(Scopus Indexed)**

   https://pubs.aip.org/aip/acp/article-abstract/3193/1/020029/3319627/Optimizing-task-scheduling-in-fog-computing

6. R Sonia, S Anila, SA Karthik, S Meenakshi, Eric Howard, Kartikeya Parmar, JK Periasamy, V Vijayan, **"Refining adversarial attacks on machine-learning phishing webpage detectors**

through functionality-preserving HTML manipulations" in AIP Conference Proceedings, 11th November 2024, Vol 3193(1) pp. 020006 **(Scopus Indexed)**

https://pubs.aip.org/aip/acp/article-abstract/3193/1/020006/3319604/Refining-adversarial-attacks-on-machine-learning

7. Aswini Jayaraman, J K Periasamy, Chinnasamy Ambayiram, Mary Joy Kinol Alphonse, **"An optimal Bi-gated recurrent unit and ResNET using IoT for healthcare monitoring"** in Expert Systems with Applications, 8th January 2024, Vol 247, pp. 122818 **(SCI, WOS, Scopus Indexed)**

   https://www.sciencedirect.com/science/article/abs/pii/S0957417423033201

8. Muthukrishnan Anuradha, John Jean Justus, Kaliyaperumal Vijayalakshmi, **JK Periasamy** **"HRF-ExGB: Hybrid random forest-extreme gradient boosting for mobile edge computing"** in Transactions on Emerging Telecommunications Technologies,Wiley Online Library on 6th July 2024, Vol 35, Issue 7, pp. 1-15 **(SCI, WOS, Scopus Indexed)**

   https://onlinelibrary.wiley.com/doi/10.1002/ett.5010

9. JK Periasamy, R Kennady "**A Fuzzy Optimal Lightweight Convolutional Neural Network for Deduplication Detection in Cloud Server"** in Iranian Journal of Fuzzy Systems, 12th December 2023. Volume 21, Number 1, (2024), pp. 33-49 **(SCI, WOS, Scopus Indexed)**

   https://ijfs.usb.ac.ir/article_8031.html

   https://ijfs.usb.ac.ir/article_8031_6856dae4bda9267e3015ce770ec25b8b.pdf

10. HARSHA SANDA SRI, BANAVATH DHANALAXMI, SHAMEER AP, SURENDRAN S, KUMAR D. SENTHIL, SELVAN D. SARAVANA, KUMAR ASHOK, **PERIASAMY JK**, RAJARAM A. **"IMPROVED FEATURE-SELECTION AND CONVOLUTIONAL NEURAL NETWORK FOR ENDOMETRIAL CANCER IDENTIFICATION USING MRI IMAGES"** in Journal of Environmental Protection and Ecology 25(4) (2024), pp.1241-1252 **(Scopus Indexed)**

   https://scibulcom.net/en/article/6AA3jMvpgcjq3mB0CiDY

11. G Senthilkumar, K Tamilarasi, **JK Periasamy**, **"Cloud intrusion detection framework using variational auto encoder Wasserstein generative adversarial network optimized with archerfish hunting optimization algorithm,** in Wireless Networks, 1st December 2023,pp:1-18 **(SCI, WOS, Scopus Indexed)**

https://link.springer.com/article/10.1007/s11276-023-03571-7

12. G Senthilkumar, K Tamilarasi, N Velmurugan, **J.K Periasamy**, **"Resource Allocation in Cloud Computing"**, in Journal of Advances in Information Technology, Vol. 14, No.5, October 2023 pp.1063-1079**. (SCI,WOS, Scopus Indexed)**

https://www.jait.us/uploadfile/2023/JAIT-V14N5-1063.pdf

13. **V Brindha Devi, D Pushgara Rani, J.K Periasamy, A Ponshanmugakumar "Experimental investigation on utilization of used foundry sand in concrete as fine aggregate",** in Materials Today: Proceedings, 5th June 2023 **(WOS, Scopus Indexed)**

https://www.sciencedirect.com/science/article/abs/pii/S2214785323032509

14. J.K Periasamy, S Sivalingam, A Ponshanmugakumar, M Jasmin, G Sheeba **"Experimental study on recycled coarse aggregate of concrete",** in Materials Today: Proceedings, 15th May 2023 . **(WOS, Scopus Indexed)**

https://www.sciencedirect.com/science/article/pii/S2214785323027347

15. S Hemalatha, **J.K Periasamy**, C Priya, C Vivek, Suman Madan" **Enhancement of Internet of Things to connecting People and Appliances using IOE** in ECS Transactions, Jan 2022, 107(1), pp. 16351–16358 **(WOS, Scopus Indexed)**

https://iopscience.iop.org/article/10.1149/10701.16351ecst/meta

16. Y Murali Mohan Babu, K Radhika, TR Saravanan, **J.K Periasamy "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 **(WOS, Scopus Indexed)**

https://iopscience.iop.org/article/10.1088/1742-6596/1964/4/042077

17. K Radhika, Y Murali Mohan Babu, **J.K Periasamy**, TR Saravanan **"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**(WOS, Scopus Indexed)**

https://iopscience.iop.org/article/10.1088/1742-6596/1964/4/042086/meta

18. G Balanagireddy, **J.K Periasamy**, G Saritha, M Sujatha, G Nirmalapriya **"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,**(UGC Indexed)**

https://eudl.eu/doi/10.4108/eai.7-6-2021.2308787

19. Shivaanivarsha, **J.K. Periasamy "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

20. L Vijayaraja, R Dhanasekar, R Premkumar, **JK Periasamy**, Rupa Kesavan, S Ganesh Kumar **"Silicon made switches for the development of low cost asymmetric 25 level inverter",** in Materials Today: Proceedings, Elsevier on 23.02.2021. **(WOS, Scopus Indexed)**

https://www.sciencedirect.com/science/article/pii/S2214785321007288

21. R Dhanasekar, L Vijayaraja, JK Periasamy, D Bharathypriya, SG Kumar,, **"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 **(WOS, Scopus Indexed)**

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

22. KS Sankaran, K Vijayan, S Yuvaraj, JK Periasamy, M Balasaraswathi,, **"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, WOS, Scopus)**

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

23. M Suresh Anand, Nisha G Mathur, Angappan Kumaresan, JK Periasamy, **'An Emotion Recognition Based Fitness Application for Fitness Blenders'** in European Journal of Molecular & Clinical Medicine, Vol 7, Issue 2 Nov 2020 **(UGC Indexed)**

https://ejmcm.com/article_3149.html

24. D Karunkuzhali, M Prasad, Gurpreet Singh, Amanpreet Kaur, JK Periasamy, G Ramprabu, **'Traffic Analysis in Vehicular Adhoc Networks using Flow and Network Level Analysis'**, in Microprocessors and Microsystems, Nov 2020 **(SCI, WEB OF SCIENCE)**

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

25. 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)**

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

26. **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)**

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

27. A Poongodi, JK Periasamy **'Enhancing English Speaking Skills of Engineering Students in Virtual Classroom'**, in International Journal of Emerging Trends in Engineering Research, Oct 2020**(UGC INDEXED)**

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

28. **S** Sweetline Shamini, R Ohmsakthi Vel, SA Sivasankari, JK Periasamy, G Ramprabu**, '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

29. R Revathy, Murugananth Gopal Raj, M Selvi, JK Periasamy **'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

30. JK Periasamy, C Sowmya, J Varshita, M Aishwarya "To Detect Deep Vein Thrombosis From CT Scan Images Using Modern Neural Network Technique" in bibliomed Elementary Education Online Jan 2020.

https://bibliomed.org/mnsfulltext/218/218-1642678044.pdf?1711952695

31. **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

32. 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/

33. 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/

34. 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. (UGC INDEXED).

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

35. 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(UGC INDEXED).

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

36. 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

37. 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

38. **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

39. **J.K.Periasamy,**Aathira H N, Akshya P, Vaishnavi R, Sethu Raman K, **2019**, **'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 2019. .(A UGC Approved Journal).

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

40. **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

41. 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

42. 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

43. **J.K.Periasamy**, Pradeep Kumar Sahoo, Bhuvaneswari.R,V.Lalith Kiran, **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

44. V.Lalitha and **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

45. **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

46. 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://www.ijarcs.info/index.php/Ijarcs/article/view/5569

47. **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

48. 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

49. K Periasamy, B Latha **'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.**(SCOPUS INDEXED)**

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

50. P Raghu, D Kavi Bharathy, M Suresh Anand, J Jegan Amarnath, J K Periasamy, A Kumaresan **"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.

https://drive.google.com/file/d/1P5zan977MpTdBab9QHSXq9aWvkOMIdLY/view

	51. 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. https://drive.google.com/file/d/1Tg3pCtFgdd4tO1h7d1dKuDu7njGm3jkt/view 52. J K Periasamy, Pooja N Ramya B, Pavithra R , **'Gleaner's succor- An android solution for geoponic'** in International Journal for Advanced Research in Engineering and Technology, Vol. 2, Issue III, **March 2014**. https://www.academia.edu/29759890/AN_ANDROID_SOLUTION_FOR_GEOPONIC 53. 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, April 2014 https://www.ijert.org/research/zombie-avoidance-using-attack-analyzer-in-cloud-environment-IJERTV3IS041961.pdf 54. 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.April 2013. https://ijcsit.org/IJCSIT-iss2-p4.pdf 55. **J.K.Periasamy,**Aathira H N, Akshya P, Vaishnavi R, Sethu Raman K, **2012**, **'Reliable multilayer Architecture for Privacy Preserving in Cloud'**, Journal of Interdisciplinary Cycle Research ISSN:0022-1945, Vol 1 Issue 4, pp-27-32, June 2012. (UGC). https://app.box.com/s/tk1vg7eg1s0kprsdcbq5q9djk4o5rwny 56. **J.K.Periasamy,**Aathira H N, Akshya P, Vaishnavi R, Sethu Raman K, **2009**, **'Reliable multilayer Architecture for Privacy Preserving in Cloud'**, International Journal of analytical and experimental modal analysis ISSN:0886-9367 , Vol 1 Issue 1, pp-27-32, July 2009 (UGC). https://app.box.com/s/8gxdg4e3x60m7qsrunjaizhew8tramk9
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.** Organizing Secretary for International Conference on Computational Science and Technology (ICCST2020) held on March 05-06, 2020 5. Organized all EAC programs from 2016 to 2022. 6. Organizing all CSI events from 2007 to 2025.
16	**Programs Attended:**
	Workshop / FDP / SDP Attended: 1. Attended six days FDP on **"Emerging Trends in Generative AI for Secure and Intelligent Data Management"** from 05.01.2026 to 10.01.2026 organized by the Department of Information Technology, Panimalar Engineering College. 2. Attended 8 weeks FDP on **"Ethics in Engineering Practice"** from Aug 2025 to Oct 2025 organized by NPTEL-AICTE. 3. Attended 12 weeks FDP on **"Introduction to Internet of Things"** from Jan 2024 to March 2024 organized by NPTEL-AICTE. 4. Attended one week FDP(Hybrid Mode) on "**Advanced Research Methodology for Social Science Research**" from 27.05.2024 to 01.06.2024 organized by Sri Sai Institute of Management Studies. 5. Attended 6 days FDP on "**Quantum Computing**" from 27.05.2024 to 01.06.2024 organized by the Department of AIDS of Sri Sai Ram Engineering College. 6. Attended 12 weeks FDP on **"Introduction to Internet of Things"** from Jan 2024 to March 2024 organized by NPTEL-AICTE.

7. Attended 12 weeks FDP on **"Cloud Computing"** from Jan 2024 to March 2024 organized by NPTEL-AICTE.

8. Attended 12 weeks FDP on **"Programming, Data Structures and AI"** from Jan 2024 to March 2024 organized by NPTEL-AICTE.

9. Attended 12 weeks FDP on **"Google Cloud Computing Foundations"** from Jan 2023 to April 2023 organized by NPTEL-AICTE.

10. Attended 12 weeks FDP on **"Introduction to Database Systems"** from Jan 2023 to April 2023 organized by NPTEL-AICTE.

11. 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.

12. 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

13. 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.

14. 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

15. Attended 12 weeks FDP on **"Programming in Java"** from July 2022 to Oct 2022 organized by NPTEL-AICTE.

16. 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

17. 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

18. 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.

19. 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 23th Nov 2020 to 28th Nov 2020 at KCG College of Technology.

20. Participated in AICTE Sponsored STTP on **"Internet of Things and its Applications"** organized by the Department of SRM Valliammai Engineering College from 26th Oct 2020 to 31st Oct 2020.

21. MHRD - **Kapila Program for IP Literacy and awareness** attended National IP Literacy week from 15.10.2020 to 23.10.2020 (Certificate Received)

22. 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.

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

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

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

26. 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.

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

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

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

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

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

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

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

34. 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.

35. 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.

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

37. 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.

38. 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.

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

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

41. 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.

42. 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.

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

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

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

46. 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.

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

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

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

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

51. Participated in Staff Development Program **"Information Technology in Telemedicine and E-Health**" held in Sri Sairam Engineering College from 9th to 21stJuly 2007.

52. 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

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) Award in CSI Activities Award 2021-2022 from CSI Kancheepuram Chapter on 30.03.2022.
6. Received Active Participation (SBC) Award in CSI Activities Award 2022-2023 from CSI Kancheepuram Chapter on 26.04.2023.
7. Received Innovative Project Award in CSI Activities Award 2022-2023 from CSI Kancheepuram Chapter on 26.04.2023.
8. Received Academic Excellence Award in National Faculty Award 2023-2024-Novel Research Academy on 10.11.2023
9. Acting as Board Study Member of Department of Computer Engineering, St. Vincent Pallotti College of Engineering & Technology, Nagpur from 2025

21 Books Published

1. Richa, Aashish. A. Gadgil, Abhijeet Das, P. Ashokkumar, Neha Munjal, J. K. Periasamy, published a book chapter titled, '**Blockchain Integration for Smart City Infrastructure: Advancing Urban Connectivity and Security**' in the book **Non-Fungible Tokens (NFTs) in Smart Cities: Advancements and Security Challenges** by IGI Global 2025, ISBN13: 9798369388761 **(SCOPUS INDEXED)**

   https://www.igi-global.com/chapter/blockchain-integration-for-smart-city-infrastructure/386804

2. Richa, Aashish. A. Gadgil, Abhijeet Das, P. Ashokkumar, Neha Munjal, J. K. Periasamy, published a book chapter titled, '**Advancements in Filtration Technologies for Air and Water Pollution Control**' in the book **Environmental Applications of Carbon-Based Materials** by IGI Global 2025, ISBN13: 979836938878 **(SCOPUS INDEXED)**

   https://www.igi-global.com/chapter/advancements-in-filtration-technologies-for-air-and-water-pollution-control/354535

3. N Venkateswaran, A Srinivasa Reddy, B Uma Maheswari, P Suthanthira Devi, M Aishwarya, JK Periasamy, published a book chapter titled, 'AR-VR Enabled Personalized Vehicle Exploration for Urban Mobility and Smart City Development' in the book **Virtual and Augmented Reality**

Applications in the Automobile Industry by IGI Global 2025, ISBN13: 979836938878 **(SCOPUS INDEXED)**

https://www.igi-global.com/chapter/ar-vr-enabled-personalized-vehicle-exploration-for-urban-mobility-and-smart-city-development/378015

4. JK Periasamy, Kunduru Srinivasulu Reddy, Prachi Rajendra Salve, S Ushasukhanya, TYJ Naga Malleswari, published a book chapter titled, **'AI-Driven Disaster Forecasting by Integrating Smart Technology'** in the book **Edible Electronics for Smart Technology Solutions** by IGI Global 2025, ISBN13: 9798369355732 **(SCOPUS INDEXED)**
https://www.igi-global.com/chapter/ai-driven-disaster-forecasting-by-integrating-smart-technology/360269

5. Published a book chapter titled, **'Advancements in Filtration Technologies for Air and Water Pollution Control'** in the book **Environmental Applications of Carbon-Based Materials** by IGI Global 2024, ISBN13: 9798369336250 **(SCOPUS INDEXED)**
https://www.igi-global.com/chapter/ai-driven-disaster-forecasting-by-integrating-smart-technology/360269

6. Published a book chapter titled, **'Synergizing federated learning and in-memory computing: An experimental approach for drone integration'** in the book **Developments Towards Next Generation Intelligent Systems for Sustainable Development** by IGI Global **(SCOPUS INDEXED)**
https://www.igi-global.com/chapter/synergizing-federated-learning-and-in-memory-computing/343775

7. Published a Book "Data Science and Machine Learning using Python" by RK Publications Nov 2023, ISBN: 978-81-967266-8-3
https://drive.google.com/file/d/1bmhG3crvjtidO8ISDoJl2V6b4p5XW4ls/view?usp=sharing

8. Published a book "Mobile App Development: A Practical Guide to Building Successful Apps" by Notion press, Dec 2023, ISBN: 9798892330121
https://www.flipkart.com/mobile-app-development/p/itm07bd6a771a86f?pid=9798892330121&affid=editornoti&affid=editornoti

9. Published a book "Internet Web Technology" by Scientific International publications press, Jun 2023, ISBN: 978-93-5757-587-4

https://www.flipkart.com/internet-web-technology/p/itmd3633a41622a0?pid=9789357575874&lid=LSTBOK9789357575874RIINMO&marketplace=FLIPKART&cmpid=content_book_8965229628_gmc

10. 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., Mar 2023. ISBN 978-93-94639-07-2.

https://drive.google.com/file/d/1jYHmaGDrRwFy-q8ZjPZQA0w4iGdqrcRi/view

11. 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.**(SCOPUS INDEXED)**

https://link.springer.com/chapter/10.1007/978-981-16-3448-2_6#:~:text=The%20cache%20processing%20mechanism%20is,10%5D%20work%20of%20Health%20care

12. 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, Jun, 2021

13. 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.

https://drive.google.com/drive/u/4/search?q=Artificial%20Intelligence

14. Published a book chapter titled, **"Technical Analysis on Spammer detection using Machine Learning and data mining techniques"** in the Book "**Machine Learning and Applications**". ISBN: 978-93-86923-47-9, Publisher: Dipti Press OPC Pvt Ltd. Chennai. Sep 2020.