

Curriculum Vitae



Name : Dr. SREEJA MOLE S S

Designation : Professor / Information Technology

Qualification : Ph.D

Details of Qualification : (Start from the most recent degree)

| Degree | Branch/Specialization | Name of the College & University | % of Marks / CGPA | Year of Passing |
|--------|---|---|--------------------|-----------------|
| Ph.D. | Information and Communication Engineering | Government College of Engineering, Tirunelveli Anna University, Chennai | 8.4 in Course work | Jan2011 |
| M.E. | Communication Systems Engineering | Thiagarajar College of Engineering, Madurai | 79 | 2002 |
| B.E. | Electronics and Communication Engineering | Noorul Islam College of Engineering, Kumaracoil | 76 % | 1999 |

Total Years of Experience

Teaching : 22 Years 04 Months

R & D : 8 Years

| S. No | Name of the post held | Name of the Employer / Institution | Period of Employment | | | | Teaching/ Industrial/ Research |
|-------|-----------------------|------------------------------------|----------------------|------------|-------|--------|--------------------------------|
| | | | From Date | To Date | Years | Months | |
| 1 | Professor | CJITS | 17.01.2017 | 31.05.2024 | 7 | 4 | Teaching Research |
| 2 | Principal | PKCET | 01.06.15 | 30.12.16 | 1 | 6 | Teaching and Administration |
| 3 | Professor and HOD | NGCE | 15.07.13 | 30.05.15 | 1 | 11 | Teaching |

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|---|--------------------------------|----------|-----------|----------|---|----|----------------------|
| 4 | Professor | SCET | 25.04.12 | 13.07.13 | 1 | 2 | Teaching |
| 5 | TRA/ Assistant Professor | GCE | 19.09. 02 | 24.04.12 | 9 | 7 | Teaching Research |
| 6 | Lecturer | PET/NICE | 10.01.02 | 18.09.02 | | 8 | Teaching |
| 7 | AdHOC Lecturer | GCE | 27.08.99 | 28.09.00 | 1 | 02 | Teaching |

Interested Research Areas:

DIP, Embedded Systems, Computer Networks, IoT

Publication Details

Paper Published in International Journal : 76

Paper Published in National Journal :02

Paper published in International Conferences :40

Paper published in National Conferences :10

List of International Journals

SCI Journals

| Sl. No. | Author | Title of the Publication | Name of the Publisher | Vol. No. | Year & Page No's |
|---------|---------------------|---|------------------------------------|------------------------------|----------------------------|
| 1. | Dr. Sreeja Mole S S | F ² SO: An Energy Efficient Cluster Based Routing Protocol Using Fuzzy Firebug Swarm Optimization Algorithm in WSN | The Computer Journal | Vol 66, No. 5 | Pages 1126–1138, Year 2023 |
| 2. | Dr. Sreeja Mole S S | Energy optimization for CAN bus and media controls in electric vehicles using deep learning algorithms | The Journal of Supercomputing | Vol 78 | Pages 8493–8508, Year 2022 |
| 3. | Dr. Sreeja Mole S S | An Energy Efficient Architecture for Furnace Monitor and Control in Foundry Based on Industry 4.0 Using IoT | Scientific Programming | Vol 2022, Article ID 1128717 | 8 Pages, Year 2022 |
| 4. | Dr. Sreeja Mole S S | Fuel vehicle improvement using high voltage gain in DC-DC boost converter | Renewable Energy Focus | Vol 43, Dec 2022 | Pages 228-238, Year 2022 |
| 5. | Dr. Sreeja Mole S S | Photocatalytic Activity Induced by Metal Nanoparticles Synthesized by Sustainable Approaches: A Comprehensive Review | Frontiers in Chemistry | Vol 10, Article ID 917831 | Pages 1-21, Year 2022 |
| 6. | Dr. Sreeja Mole S S | An Innovative Sensing Machine Learning Technique to Detect | Wireless Communications and Mobile | Vol 2022, Article | 12 Pages, Year 2022 |

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|-----|---------------------|---|--|---|----------------------------|
| | | Credit Card Frauds in Wireless Communications | Computing | ID 2439205 | |
| 7. | Dr. Sreeja Mole S S | Alginate Hydrogel Adsorbents in Adsorption of Inorganic and Organic Pollutants: A Review | Asian Journal of Chemistry | Vol 34, No 7 | Pages 1625-1632, Year 2022 |
| 8. | Dr. Sreeja Mole | An Evaluation of noble composition based on zinc oxide synthesis characterization environmental optical and biomedical applications | Journal of Optoelectronic and Biomedical Materials | Vol. 13, No. 4 | Page 151-169, Year 2021 |
| 9. | Dr. Sreeja Mole S S | An Efficient Gait Dynamics Classification method for Neurodegenerative Diseases using Brain Signals | Journal of Medical Systems | Vol 43, Article number 245 | Pages 243-253, Year 2019 |
| 10. | Dr. Sreeja Mole S S | Evaluation Strategies for Wireless Ultra Wideband Communication towards Orthopedic Surgical Scheme | Journal of Medical Imaging and Health Informatics | Vol 8, No. 9 | Page 1791-1803, Year 2018 |
| 11 | Dr. Sreeja Mole S S | Biodegradation of P-nitro phenol using a novel bacterium <i>Achromobacter denitrificans</i> isolated from industrial effluent water | Water Sci Technol (2021) 84 (10-11): 3334–3345. | Volume 84, Issue 10-11 15 November 2021 | Pp 1-12 |
| 12 | Dr. Sreeja Mole S S | | | | |

OTHER JOURNALS

| Sl. No. | Author | Title of the Publication | Name of the Publisher | Vol. No. | Year & Page No's |
|---------|---------------------|---|--|----------------|------------------|
| 1. | Dr. Sreeja Mole S S | Supervised classification of images using textural features | IETECH | Vol. 3, No. 1 | pp. 35-39, 2009. |
| 2. | Dr. Sreeja Mole S S | Statistical Approach for Supervised Texture Classification | International journal of image processing and network technology | Vol. 3, No. 1, | pp. 54-61, 2010. |

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|-----|-----------------------------|---|--|-----------------|----------------------|
| 3. | Dr. Sreeja Mole S S | Supervised Classification Of Images Using Textural Features | International Journal of Soft Computing | Vol. 4, No. 3 | pp. 122-126, 2009. |
| 4. | Dr. Sreeja Mole S S | Unsupervised Hybrid Classification for Texture Analysis Using Fixed And Optimal Window Size | International Journal of Computer Science and Engineering | Vol. 02, No. 09 | pp. 2910-2915, 2010. |
| 5. | Dr. Sreeja Mole S S | Pixel Based Classification On Color Images In Statistical Texture Analysis | International Journal of Computer Science Engineering and Technologistry | Vol. 1, No. 2 | pp. 41-46, 2011 |
| 6. | Dr. Sreeja Mole S S | Unsupervised Texture Classification of Entropy based Local Descriptor using K-MEANS Clustering Algorithm | International journal of soft computing techniques | Vol 1 | pp.63-68, 2011. |
| 7. | Dr. Sreeja Mole S S | FCM Algorithm for Medical Image Segmentation Using HMRF | IJESRT | Vol 34, No 7 | pp.2293-2299,2013 |
| 8. | Dr. Sreeja Mole | Image Task Detection of Microcalcification on Mammogram | MEJSR | Vol. 13, No. 4 | PP.1198-1202, 2014 |
| 9. | Dr. Sreeja Mole S S | Diagonisation of Glaucomatus images using wavelet transforms | International Journal of Advances in Engineering Science and Technology | Vol 3 No1 | pp 33-37 2013 |
| 10. | Dr. Sreeja Mole S S | A survey paper on data hiding techniques based on codeword substitution algorithm | International Journal of Engineering Research | Vol. 3 2015 | pp 7-13. 2015 |
| 11 | Sreeja Mole S S, Swapna S R | Structural implementation of functional unit of processor unit of core celrchitecture for fault tolerant VLSI systems | IJSRSET | Vol. 3 | pp. 243-248. 2015 |

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|----|--|--|---|------------------------------------|-------------------------|
| 12 | Sreeja Mole S S, Swapna S R | Low power packet classification based on FSM | IJSRSET | Vol 3, | pp.369-3752015, |
| 13 | Sreeja Mole S S, Sudhanya G S | An improved method for Soft Error Estimation Based on Error Propagation for SRAM based FPGA | IJSRSET, | Volume 1 | pp.191-197. , |
| 14 | Sreeja Mole S S, Sudhanya G S, D Gnana Jebadas | An improved method for Soft Error Estimation Based on Error Propagation for SRAM based FPGAs | IJAER | Volume 10 N0.70 | PP.282.292. 2015, |
| 15 | Sreeja Mole S S, K.S Aiawarya | Least Significant Bit Replacement based Data hiding in Pseudo Random Encrypted H.264 Video | IJAER | Vol.10 No.70, | pp.293- 297. 2015 |
| 16 | Ansu Elizabeth Baby. Blessy, Dr. Sreeja Mole | Allocation Based Cooperative OFDMA Systems with QPSK Modulation | International Journal of Innovative Research in Science, Engineering and Technology | Vol. 4, Issue 5, | pp.2968-2973, May 2015. |
| 17 | Swapna, Shiji, Dr. Sreeja mole S S, | A survey paper on Low Power Packet Classification based on Decision Tree Based Algorithm, | International Journal of Engineering Research- | Online Current Issue Vo.2 Issue.6. | pp.No 209-214,2014. |
| 18 | Jaya Praka, Dr. Sreeja mole S S,, | A Survey on Adaptive Edge Enhanced Color Interpolation Processor on VLSI Architecture,. | International Journal of Engineering Research- Online Current Issue | Vo.2 Issue.6 | pp.No 254-258,2014. |
| 19 | Jaya Praka, Dr. Sreeja mole S S,, | A Survey on Adaptive Edge Enhanced Color Interpolation Processor on VLSI Architecture,. | International Journal of Engineering Research- Online Current Issue | Vo.2 Issue.6 | pp.No 254-258,2014. |

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|----|--|--|--|------------------------------|--------------------------|
| 20 | Ancy V, Danya, Dr. Sreeja mole S S,, | Transmit Antenna Selection of MIMO Systems to improve Energy Efficiency,. | International Journal of Engineering Research-Online Current Issue | Vo.2 Issue.6 | pp.No 259- 2263,2014. |
| 21 | Swapna S.R, Dr Sreeja Mole S.S, | “Merge FSM Based Low Power Packet Classification,” | IJSRSET | Vol1 | pp.369-375,2015. |
| 22 | Sreejamole S S Athira V S, Anand J Dhas | Brain Tumor Detection and Segmentation in MR images Using GLCM and AdaBoost Classifier, | International Journal of Scientific Research in Science, Engineering and Technology | Vol 1, | pp.142-146, 2015. |
| 23 | Aiswarya, Shiji, Dr. Sreeja Mole S, S, | An Efficient Methodology for Multiple Fault Diagnosis including Cross talk Defects using Multi- Objective Particles Swarm Optimizer | IJSRET | Vol 1, | pp.23-25, 2015. |
| 24 | Dr. Sreeja Mole S S | Navigational Error Control by Model based Filtering and Smoothing for GPS/INS Integration | SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE) | Volume 2 Issue 5 | May 2015,pp.81-90 |
| 25 | Divya Rajan N T Blessingh T S,Dr. Sreeja Mole S S, | Action Recognition by Converting Normal Video into Silhouette, | IJSRD - International Journal for Scientific Research & Development | Video “ Vol. 3, Issue 02 | 2015 pp. 2473-75. |
| 26 | Sreejamole S S etal’ | Coperative Diversity Techniques in Mobile Communication | IJECE | Vol2, | 2015, pp.91-95. |
| 27 | Sreeja Mole S S etal | Automated Approach for Detection in Tuberculosis using Chest Radiograph | IJSRSET | Vol 2 | 2015,pp.23-27. |
| 28 | Sussama kumari, Sreeja Mole S S, | Post Invariant Face Recognition | IJOER | Vol2 | 2014, pp.57-62 |

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|----|-----------------------------------|---|--|----------------------------|----------------------------|
| 29 | Sreeja Mole S S, Shiju Thankappan | Abdominal Bleeding Region Detection in Wireless Capsule endoscopy Videos using Artificial Neural Network | IJRTEM | Vol14 | pp.21-26.2016. |
| 30 | Sreeja Mole S S et al, | Extraction and Identification of Tumor Regions from MRI using Zernike Moments and SVM | IJCTA, Science Press | Vol18(15), | pp.2327.2333,2015 |
| 31 | Padmavathi, Dr. Sreeja Mole S S | Merge FSM Based High Throughput Packet Classifier, | IJAER, | Vol 12 | pp.44840-44845, 2015. |
| 32 | Sreesankar, Sreeja Mole S S, | An Efficient Brain Tumor Detection using Expectation Maximization Algorithm , | IJESMR, | Vol 2 | pp.15-20,2016. |
| 33 | Dr. Sreeja Mole S S | Rapid Bleeding Region Detection in Wireless Capsule Endoscopy Videos, | Journal of Advances in Chemistry, | Vol.13, No.8, | 2017, pp.6389-6392. |
| 34 | Dr. Sreeja Mole S S | Evaluate the Performance of Power Energy Output Forecasting in Photovoltaic Cell, | IJLTET | vol 8 issue 2 | pp .67-71—march 2017. |
| 35 | Sreeja Mole S S et al , | Passenger Information system with a virtual assistant, | Asian Journal of Applied Science and Technology (AJAST), | volume 1, Issue 3, | Pages 252-254, April 2017. |
| 36 | Sreeja Mole S S et al | Adaptive Sparse Classifier for the Detection of Immune Positive Tumour Cells | International Journal of Control Theory and Applications | ISSN : 0974-5572, Volume10 | 2017, pp.403-410. |
| 37 | Sreeja Mole S S et al | Unique PWM Cast for Induction Motor Drives with Embracing NonDeterministic Characteristics and Evaluation Using FPGA, | International Journal of Pure and Applied Mathematics | Volume 117 No. 10 | 2017, 25-29 |

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|----|------------------------|--|---|-----------------------|------------------|
| 38 | Sreeja Mole s s etal | Security for organizing GSM Notice Board | IJCESR | Vol.5 | , Pp.1-7,2018 |
| 39 | Sreeja Mole S S etal | Vehicle Theft Detection by GSM | IJCESR | Vol 3 | PP.8-12, 2018 |
| 40 | Sreeja Mole S S etal | The Crime Detection System For Women | IJCRD | Vol 3 | PP.NO-39-43,2018 |
| 41 | Sreeja Mole S S etal | Smart Fabrics with Trending Technique | IJAASR | Vol 2 | PP.106-108,2018 |
| 42 | Sreeja Mole S S s etal | A Survey on Fault Diagnosis Approach | IJER | Vol 2 | PP.26-30, 2013. |
| 43 | Sreeja Mole S S etal | Socaban-Social Media to Drive Banking Advantage | IJATET | Vol 2 | PP.38-41,2018. |
| 44 | Sreeja Mole S S etal | Cyber Forensics Case Study on Shamoon Virus Attack | Star Research Journal | | pp.39-43,2018. |
| 45 | Sreeja Mole S S etal | Smart Attendance Monitoring System using WIFI and MAC Address | IJER | Volume-5, Issue-2, 8. | pp. 6-8, 2018. |
| 46 | Sreeja Mole S S etal | Texture Segmentation Approach Based on Entropy Based Local Binary Pattern Operator | , Mediterranean Journal of Basic and Applied Sciences (MJBAS) Peer Reviewed International Journal | Volume 2, Issue4 | pp. 13-19, 2018. |
| 47 | Dr. Sreeja Mole S S | Sensor Based Assistive Device for Visually Impaired People | Asian Journal of Applied Science and Technology | Volume 1 Issue 9 | Pp90-109 |
| 48 | Dr. Sreeja Mole S S | Detection of Micro calcification on Mammogram through Image Classification | Mediterranean Journal of Basic and Applied Sciences (MJBAS) Peer Reviewed International Journal | Volume 2, Issue4 | pp. 20-27, 2018 |
| 49 | Dr. Sreeja Mole S S | Image Segmentation using Random Walker and SOM Algorithm | ,Mediterranean Journal of Basic and Applied Sciences (MJBAS) Peer Reviewed International | Volume 2, Issue4 | pp. 28-34, 2018 |

| | | | Journal | | |
|----|---------------------|--|---|------------------|-----------------|
| 50 | Dr. Sreeja Mole S S | Microcontroller Based Automatic Room Lighting System | Mediterranean Journal of Basic and Applied Sciences (MJBAS) Peer Reviewed International Journal | Volume 2, Issue4 | pp.35-38, 2018 |
| 51 | Dr. Sreeja Mole S S | Lung affected Patterns of Automatic Vessel segmentation in MDCT using Decision Tree Classification | Journal of University of Shanghai for Science and Technology | Vol 23, issue 10 | pp.700-705,2021 |
| 52 | Dr. Sreeja Mole S S | Gas Leakage and Detection System | International Journal of Science and Research (IJSR), | | pp12-16.2021. |
| 53 | Dr. Sreeja Mole S S | College activity addressing system with real time alerts on wireless display boards | Asian Journal of Applied Science and Technology | vol 2, issue 2 | pp.67-69.2018 |
| 54 | Dr. Sreeja Mole S S | Detection of Distributed Denial of Service Prevention (DDoS) | International Journal of Scientific and Research Applications | Vol 2 Issue 2 | pp.66-72, 2013 |
| 55 | Dr. Sreeja Mole S S | Analysis of fake news detection using machine learning technique | Materials-Today Proceedings | 2214-7853 | 2021-12-08 |
| 56 | Dr. Sreeja Mole S S | Analysis of specific absorption rate and heat transfer in human head due to mobile phones | Materials-Today Proceedings | 2214-7853 | 2021.11.58 |
| 57 | Dr. Sreeja Mole S S | Application of Li-Fi technique in underwater communication | Materials-Today Proceedings | 2021-12 | PP7-18 |
| 58 | Dr. Sreeja Mole S S | Design of Speech Device Software using Optical Character Recognition Method | 2021 IEEE Asia-Pacific Conference on Geoscience, Electronics and Remote Sensing Technology | Vol 2 | 2021-11-21 |

| | | | (AGERS) | | |
|----|---------------------------|---|--------------------------|---|------------------|
| 59 | Dr. Sreeja Mole S S | A critical analysis of non orthogonal multiple access techniques with cognitive radio influence | IJIEMR Elsevier ssrn | vol12, issue 3 | pp 236-244 2023. |
| 60 | Dr. Sreeja Mole S S et al | Build your own capacitive touch sensor to control Home appliances using Raspberry Pi-Pico with Micro Python | IJMTE | vol 12, issue 12, | 2022.PP-54-60 |
| 61 | Dr. Sreeja Mole S S et al | Design and development of Electronic Voting Machine Authentication | IJMTE | vol12, issue 12 | 2022.PP-47-50 |
| 62 | Dr. Sreeja Mole S S et al | Safety device for unmanned Railway level crossing using Arduino | IJICS, | Vol 8 issue 11 | pp-29-34,2022. |
| 63 | Dr. Sreeja Mole S S et al | Ultrasonic distance measurement using Arduino and ISD1820 Module | IJICS | Vol 8 issue 11 | pp-21-28,2022. |
| 64 | Dr. Sreeja Mole S S et al | Automated PET Feeder using Assistance | IJAR SCT | Vol 4 issue 6 | Pp 679-683, 2024 |
| 65 | Dr. Sreeja Mole S S et al | IOT'S Glimpse into the Future: Thaping Tomorrow's Connected World | Futuristic Trends in IOT | IIP Series, Volume 3, Book 6, Part 3, Chapter 2 | Pp 228-247 |
| 66 | Dr. Sreeja Mole S S et al | Transitioning to 6g Wireless: Investigating core Technologies, Challenges, Demands, Applications and Research Avenues | Social Science Journal | Res Militaris, vol.14, n°2, ISSN: 2265-6294 Spring (2024) | Pp 78-92 |

List of National/International Conferences

International Conferences

1. Sreeja Mole, S.S. and Ganesan, L. "Supervised classification of images using textural features," IEEE SIPCICOM ICACS, pp. 53-59, 2007.
2. Sreeja Mole S.S and Shini C.S,'An Adaptive Spatial K means Clustering algorithm for Unsupervised Image Segmentation' IEEEEDC,NCOMN,pp.153-158,2010.
3. Sreeja Mole S S, Swapna S R "Low power packet classification based on FSM" Vol 3,2015.
4. Dr. S. S. Sreeja Mole B. Ganapathy Ram, and A. Kasthuri, "Improving multimedia transmission in 3G wireless Networks using cooperative diversity technique", International Conference, IJCA journal ICON3C Proceedings, 2012.
5. Dr. S. S. Sreeja Mole,B. Ganapathy Ram, M. Malleswaran, "Performance Analysis of Cooperative Communication in 3G Wireless Networks" National Conference on Emerging Trends in Signal Processing, Dr.Sivanthi Adhithanar College of Engineering, February 2013
6. Dr. S. S. Sreeja Mole,, B. Ganapathy Ram, B. Gomathy Ram, "Outage Behaviour Analysis of Cooperative diversity in Mobile Communication", National Conference on Robotics and Artificial Intelligence, Shivaji College of Engineering, March 2013.
7. Dr. S. S. Sreeja Mole,, Design of Routing Protocols in Wireless Networks, ICMRET, Janu-2019.

Proceedings

1. Solai V Raja and Sreeja S S Mole. Article: A Predictive Energy-Efficient Mechanism to Support Object-Tracking Sensor Networks. IJCA Proceedings on International Conference in Recent trends in Computational Methods 2012, pp13- 18.
2. Ganapathy B Ram, Sreeja S S Mole and A Kasthuri. ,Improving Multimedia Transmission in 3G Wireless Networks Using Cooperative Diversity Technique. IJCA Proceedings on International Conference in Recent trends in Computational Methods, Communication and Controls (ICON3C 2012) ICON3C (1):6-11, April 2012.
3. Aswathy, Anand J Dhas , Sreeja Mole S S, "Adaptive slice based gastroenterology image segment proceedings of international conference in recent trends in engineering and technology" pp 228-233,2014
4. Aravind S V,Reena Benjamin ,Sreeja Mole S S " Advanced granular computing approach for surgically altered face recognition using EUCLBP and LOP feature extractors proceedings of international conference in recent trends in engineering and technology pp 244-249, 2014
5. Abin Shukoor ,Mrs P.Lalley ,Sreeja mole s.s "Design and implementation of modify Reed Solomon decoder using architectural minimization proceedings of international conference in recent trends in engineering and technology PP 260- 264, 2014
6. Samkumar V S, GnanaJebadas, Sreeja Mole S S "Effective rectification on respiration effect of wavelet based ECG T wave" proceedings of international conference in recent trends in engineering and technology pp 256-259, 2014
7. Sreejith ,Ramji D R,Sreeja Mole S S Denoising and segmentation of MR images using diffeomorphic registration process proceedings of international conference in recent trends in engineering and technology pp 252-255, 2014
8. Cemlya ,Mrs Anita selvi,Sreeja Mole S.S,Self embedding and efficient method for tampered content recovery proceedings of international conference in recent trends in engineering and technology pp 265-268, 2014
9. Mrs. Sreepriya G, Mrs. Shiji, Mrs. Lalley, "Enhanced video encoding method with an advanced video denoising algorithm" proceedings of international conference in recent trends in engineering and technology pp 264-289, 2014
10. Parvathy A S, Miss Jeslin Melba ,Dr.Sreeja Mole S S "Advanced debugging method using color segmentation in dynamic scene,proceedings of international conference in recent trends in engineering and technology pp No: 239-243,2014
11. Asena ,Mrs Manjusha, Sreeja Mole S.S Region based robust single image blind motion deblurring of natural images proceedings of international conference in recent trends in engineering and technology pp 269-273, 2014.
12. Sreeja Mole S.S etal, A novel approach for skin detection based on the fusion of HSV, Gaussian and 2D Histogram,Proceedings of International conference in recent trends in Engineering and Technology, pp-223-228, 2014
13. Sreeja Mole S.S,Asha A.S,Supervised Texture Classification using Radon Representation based Feature Descriptor,Proceedings of Emerging Trends in Communication and Networking,CSIISE,Thovali,2010.
14. Sreeja Mole S.S etal, Analysis of fake news detection using machine learning technique, <https://www.researchgate.net/journal/Materials-TodayProceedings-2214-7853/2021-12-08>.

15. Sreeja Mole S.S et al, A study on black holes and its rotation, Materials Today: Proceedings 2021-12 | journal-article DOI: 10.1016/j.matpr.2021.11.584 Part of ISSN: 2214-7853.
16. Sreeja Mole S.S et al, Analysis of specific absorption rate and heat transfer in human head due to mobile phone Materials Today: Proceedings 2021-12 | journal-article DOI: 10.1016/j.matpr.2021.11.582 Part of ISSN: 2214-785.
17. Sreeja Mole S.S et al Application of Li-Fi technique in underwater communication Materials Today: Proceedings 2021- 12 | journal-article DOI: 10.1016/j.matpr.2021.11.387 Part of ISSN: 2214-7853
18. Sreeja Mole S.S et al, Design of Speech Device Software using Optical Character Recognition Method 2021 IEEE Asia-Pacific Conference on Geoscience, Electronics and Remote Sensing Technology (AGERS) 2021-11-21
19. Sreeja Mole S.S et al, A 4-element Dual-band MIMO Antenna with L Shaped Decoupling Stub for 5G SPEC 2021 International Conference on Electrical and Computer Technologies 2021 (ICAECT 2021), COIMBATORE
20. Sreeja Mole S.S et al, Effective Design Approach of Yard Trimmer, ICSES 2021 2nd International Conference on Sustainable Expert Systems (ICSES 2021), NEPAL
21. Sreeja Mole S.S et al, Automatic Identification of Leaf Disease using Image Segmentation Method IEMEC 2021 International Conference on Internet of Everything, Microwave Engineering, Communication and Networks (IEMECON 2021)
22. Sreeja Mole S.S et al., Analysis of Short Circuited Ring Patch Antenna for Harmonic Suppression IEMEC 2021
23. Sreeja Mole S.S et al, A Smart Irrigation System using Plant Maintenance Bot, ICSEC 2021
24. Sreeja Mole S.S et al, Reservation Based Vehicle Parking System using GSM and RFID Technology, IEMEC 2021
25. Sreeja Mole S.S et al, A Smart Guidance System for Visually Challenged Person, IEMEC 2022
26. Sreeja Mole S.S et al, An Efficient Machine Learning Approach for Pneumonia Prediction, IEMEC 2022
27. Sreeja Mole S.S et al, Evolving Regularization Individual Activation Factor Cluster Sparse PAPA for Network Echo Cancellation, IEMEC 2022
28. Sreeja Mole S.S et al, Design and Implementation of Anti-Collision Robot Processor Using RFID Technology, IEMEC 2022
29. Sreeja Mole S.S et al, Analysis of Multistage Linear Feedback Shift Register Counter for High Speed Applications, IEMEC 2022
30. Sreeja Mole S.S et al, Smart Advertising Based On Face Recognition, IEMEC 2022
31. Sreeja Mole S.S et al, Stand-alone Renewable Source of Energy Method for the Conversion of Water from Atmospheric Air, IEMEC 2022
32. Sreeja Mole S.S et al, Analysis of Arduino based Heart Monitoring System, IEMEC 2022
33. Sreeja Mole S.S et al, Design and Implementation of Microstrip Patch Antenna for 5G Application, IEMEC 2022

National Conferences

1. Sreeja mole.S.S, Vidhya.V, Dr.L.Ganesan, 'Unsupervised color image Segmentation using JSEG Algorithm', National Conference NATCON'04, Noorul Islam College of Engg., Nagercoil, apr 2004.
2. Sreeja mole.S.S, Dr.L.Ganesan, 'Invariant Texture Analysis Methods', NCGCE, 2005.
3. S.Sreeja mole, R.Kalaivani Synthesis and Retrieval of Inhomogeneous Texture, National Conference Information Retrieval & security at Tagore Engineering College, 2011.
4. Sreeja Mole.S.S, Vidhya.V, Dr.L.Ganesan, 'Face Recognition using Local Binary Operator', NCCICC05, PETEC-2005.
5. Sreeja Mole.S.S, Dr.L.Ganesan, 'Unsupervised Texture Segmentation using Entropy Based LBP with FCM and K-Means Clustering', National Conference on Advanced Intelligent Systems, Dr.Sivanthi Adithinar College Of Engineering, Thiruchendhur, 2009.
6. Sreeja Mole.S.S, Franclin Doli, 'Segmentation by fusion in different color spaces', NCEIS, GCT, 2010.
7. Sreeja Mole S.S, Franclin Doli, 'Texture Segmentation by FCR method in different Color Spaces', National Conference on High Performance Computing Vision 10
8. B. Ganapathy Ram, M. Malleswaran, and Dr. S. S. Sreeja Mole, "Performance Analysis of Cooperative Communication in 3G Wireless Networks" National Conference on Emerging Trends in

Signal Processing, Dr.Sivanthi Adhithanar College of Engineering, February 2013.

9. B. Ganapathy Ram, Dr. S. S. Sreeja Mole, B. Gomathy Ram, “Outage Behaviour Analysis of Cooperative diversity in Mobile Communication”, National Conference on Robotics and Artificial Intelligence, Shivaji College of Engineering, March 2013.

10. Ansu Elizabeth Baby¹, Blessy J², Dr. Sreeja Mole Allocation Based Cooperative OFDMA Systems with QPSK Modulation International Journal of Innovative Research in Science, Engineering and Technology Vol. 4, Issue 5, May 2015.

FDP/Seminar/Workshop attended

| SI No | Name of the Program | Name of the Institute | Duration | Program |
|-------|--|----------------------------------|-----------------------------------|-----------------------------|
| 1 | Workshop on IIT MHRD | St. Xavier college, Chunkankadai | 2.12.2014 12.12.2014 2 week | IIT Kharagpur |
| 2 | Personality Development and Innovative pedagogies in Teaching and Learning – Before and After Covid-19 | CJITS | 3.8.20 TO 7.8.20 1 week | Coordinator |
| 3 | Recent trends in DIP | NGCE | 23.04.14 to 27.04.14 | FDP |
| 4 | Two-week Online Refresher Course on "Systems and Signal Processing | JNTUH | 01/03/2021 to 16/03/2021 | course |
| 5 | Outcome Based Education (OBE) and NBA Accreditation” (SAR Preparation and Assessment | OU | 12 -14, august 2020. | Three Day National Workshop |

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| 6 | Research Metrics and Roadmap to High Impact Publication | CJITS | 13.06.2020 | Coordinator |
| 7 | Personality and Leadership for Students | CJITS | 03.07.2020 | Coordinator |
| 8 | Moodle Learning and Management Systems | V.O Chithambaram Spoken IITB | 6.5.2020 - 10.05.2020 | FDP |
| 9 | One day Seminar on EMF | St Joseph Engineering College | 2021-09-18 | Seminar |
| 10 | DSP using MatLab | AICTE, HOSUR Adhiyamaan College Of Engineering, Hosur | 23.02.2004 To 27.02.2004 One week | AICTE-ISTE STTP |

Books Published

| S.No | Title of the book | Author of the book | Name of the publisher | Year of publication |
|------|------------------------------------|-----------------------------------|-----------------------------|---------------------|
| 1. | Transmission Lines and Wave Guides | Dr. L. Ganesan, S.S Sreeja Mole | Tata Mc Graw Hill | Jan 2010 |
| 2 | Embedded System Design | Dr. S.S Sreeja Mole | White Coast Book Publishers | 2022 |
| 3 | Electromagnetic Fields and Waves | Dr. S.S Sreeja Mole | White Coast Book Publishers | 2022 |
| 4 | Environmental Impact Assessment | Dr. S.S Sreeja Mole | White Coast Book Publishers | 2022 |
| 5 | Signals and Systems | Dr. S.S Sreeja Mole | White Coast Book Publishers | 2022 |
| 6 | Professional Ethics in Engineering | Sree Sankar J Dr. S.S Sreeja Mole | Multi Spectrum Publications | 2023 |
| 7 | Digital Image Processing | Dr. S.S Sreeja Mole | White Coast Book Publishers | 2023 |

Achievements

1. Innovative Research Dedicated Professor Award.

2. Distinguished Young Scientist Award.
3. Out Standing Educator Award.
4. Best 2021 HOD award.
5. International Scientist Awards on Engineering, Science, and Medicine
6. Young Scientist Award from Association of Scientists.
7. Uthama Adiyapika Award on Teachers Day 2022.
8. Best Researcher and Scientist Award 2022.
- 9 Best Woman Faculty Award.
10. Best Women Social empowerment Award.

Patent

1. Patent published “Crop Disease Detection and Monitoring System”, Patent Number 20194105722A, Government of India.
2. Patent published “Secure and Reliable Smart e Voting System using Adhar Card”, Patent Number 201941018956, Government of India.
3. Patent published “Exo Skelton Hand for Stroke Survivors”, Patent Number 201941007778, Government of India.
4. Patent published “A Novel Method for Prevention of Security Attack on Cloud Medical Data using Artificial Intelligence and IoT”, Patent Number 2021102236, Government of India.

Membership in Professional Bodies: ISTE- Life Member

1. Life member of the Indian Society for Technical Education from the year 1996 vide Membership number LM 40758.
2. ACEEE membership number 1130 for Institute of Doctors Engineers and Scientist.
3. Membership in Associate CSI Member number 01208341.
4. Membership in IAEE0
5. ACM- 9623205
6. IETE Institution Member 233983
7. IEI Institution of Engineers 146661
8. INSc 20203436
9. IRULA-914846

Online Courses

NPTEL online courses IoT and Signals and Systems

Personal Details

Address for Communication : Sathyamoorthy Colony,
Nearer to Telephone Exchange,

Cheranmahadevi P.O
Pin: 627414
Triunelveli(Dist)
Tamilnadu, INDIA.

Mobile No 9497702142/7025688038

Signature
Dr. S.S Sreeja Mole