Publications:

International Journals:

1. **M.Senthamil Selvi**, K.Deepa, S.Jansi Rani "Detection of Damaged Leaf using Convolutional Neural Network", Journal of Mechanics of Continua and Mathematical Sciences, Special Issue No.7, pp-156-165, 2020. DOI:https://doi.org/10.26782/jmcms.spl.7/2020.02.00012. (Web of Science & Scopus)

2. K. Deepa, **M. Senthamil Selvi**, Jansirani Sankar, A. Arthi Krithika "Identification of Parkinson's Disease in Patients using Vocal Features", TEST Engineering & Management, Vol. 82, No.1, pp. 10931- 10935, 2020. ISSN:0193-4120. (Scopus)

3. **M. Senthamil Selvi**, S. Jansi Rani, "A Comparative Study of Data Mining Techniques for Preferences of Shopping at the Mall", Test Engineering and Management, Vol. 83, No.1, pp. 8906-8911, 2020. ISSN:0193-4120. (Scopus)

4. **M. Senthamil Selvi**, G. Ram Sundar, Jansirani Sankar, "Intrusion Detection System using Snort with Raspberry PI", TEST Engineering & Management, Vol. 83, No.3, pp. 9414 -9420, 2020. ISSN:0193-4120. (Scopus)

5. **Senthamil Selvi M**, Nivedita S, Ramya M, Sunija S "Assistive Technology for Visually Impaired People using Li-Fi", International Journal of Engineering and Advanced Technology, Vol. 9, No.4, pp. 2261-2263, 2020. ISSN:2249-8958.DOI:10.35940/ijeat.D8998.049420. (Scopus)

6. **M Senthamil Selvi**, C. Ranjeeth Kumar, S. Jansi Rani, "Smart Irrigation System using Drone", International Journal of Advanced Science and Technology, Vol. 29, No.5, pp. 7055-7062, 2020. ISSN:2005-4238. (Scopus)

7. **M.Senthamil Selvi**, S.Jansirani, Karthiga.T, Kamala.PL, Kanishka.V.R "Elephant Intrusion Detection and Repulsion System using Matlab", International Journal of Engineering and Advanced Technology, Vol.9, Issue 5, pp.37-39, 2020. ISSN:2249-8958. DOI:10.35940/ijeat.E9208.069520. (Scopus)

8. **M. Senthamil Selvi**, A. Kayalvizhi, C. Premalatha "Effective Back Channel Response to User Queries Using Banking Bot Artificial Intelligent System", International Journal of Innovative Technology and Exploring Engineering, Vol. 8, No.12, pp. 3171-3174, 2019. (Scopus)

9. **Dr M Senthamil Selvi**, M.Faesa Fathima, S.Dhivyuaa, S.Mouriya, "Surveillance Robot using Raspberry PI for Defense", International Journal of Current Engineering and Scientific Research (IJCESR), Vol. 6, No. 3, pp. 394-399, March 2019.

10. S Praseena, S Sanjena, S M Thejaswini, **Dr M Senthamil Selvi,** "Sensor Based AGROBOT for Sowing Seeds", International Research Journal of Engineering and Technology, Vol. 6, No. 3, pp. 7729-7732, March 2019.

11. **Dr. M. Senthamil Selvi**, Mrs. J. Angel Ida Chellam and Mrs. P.V. Kavitha, "Extracting Top Competitors from Unorganized Data", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.8, No.5S, pp. 515-519, March 2019.

12. **Dr. M. Senthamil Selvi**, Mrs. J. Angel Ida Chellam and Mrs. P.V. Kavitha, "Live Video Watermarking Using LabVIEW", International Journal of Pure and Applied Mathematics, Vol.119, No.18, pp. 287-297, July 2018.

13. **Dr. M. Senthamil Selvi**, Mrs. J. Angel Ida Chellam and Mrs. P.V. Kavitha, "Dimensionality Reduction in Microblog Data", International Journal of Pure and Applied Mathematics, Vol.119, No.18, pp. 2959-2966, July 2018.

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16. **M.Senthamil Selvi,** K. Deepa, M. Siva Sangari, B. Mohankumar "Improved Structured Robustness (I-SR): A Novel Approach to Predict Hard Keyword Queries" in Journal of Scientific & Industrial Research (JSIR), Vol.76, January 2017. pp. 38-43. **(Scopus Indexed)**

17. **M.Senthamil Selvi,** N. Suresh Kumar "Intelligent Smart Street Lighting System for the public and society", International Scientific Global Journal in Engineering, Science and Applied Research (ISGJESAR), Vol.1, No. 1, May 2016. pp. 18-28.

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19. K. Selvakumar, **M.Senthamil Selvi** "Efficient Load Balancing Routing Algorithm Based on Genetic and Particle Swarm Optimization", International Journal of Innovative Research in Computer and Communication Engineering, Vol.2, Special 1, March 2014. pp. 2946-2954

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1. **M. Senthamil Selvi, K. Deepa, S. Jansi Rani**, "Detection of Damaged Leaf Using Convolutional Neural Network", International Conference on Electrical, Electronics, Instrumentation and Computer Communication (EEICC'19), Karpagam College of Engineering, Coimbatore, Jan 2020.

2. **M. Senthamil Selvi, J. Angel Ida Chellam, P.V. Kavitha**, "Implementation of ANN for Detection of Diabetic Retinopathy", International Conference on Emerging Trends in Engineering Technology Management & Sciences, Ashoka Institute of Engineering & Technology, Hyderabad, Nov 2019.

3. **M. Senthamil Selvi, G. Ram Sundar, S. Jansi Rani**, "A Smart Solution for Voting using Blockchain", IEEE International Conference on Returning Mothers - Rediscovering the Lost Talent Pool, Sri Venkateshwara College of Engineering, Bengaluru, Nov 2019.

4. **M. Senthamil Selvi, S. Jansi Rani**, "Bring Her Back", IEEE International Conference on Returning Mothers - Rediscovering the Lost Talent Pool, Sri Venkateshwara College of Engineering, Bengaluru, Nov 2019.

5. **Dr. M. Senthamil Selvi**, Mrs. P.V. Kavitha and Mrs. J. Angel Ida Chellam "Extracting Top Competitors from Unorganized Data" International Conference on Electrical, Electronics, Instrumentation and Computer Communication organized by the Department

of Electronics & Instrumentation Engineering, Karpagam College of Engineering, Coimbatore

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7. **Dr. M. Senthamil Selvi** and Mrs. S. Jansi Rani "Automatic Traffic Control System using Image Processing" International Conference on Electrical, Electronics, Instrumentation and Computer Communication organized by the Department of Electronics & Instrumentation Engineering, Karpagam College of Engineering, Coimbatore

8. **Dr. M. Senthamil Selvi** and Mrs. A. Kayalvizhi "Deploying Six Sigma in Distributed Cluster based Routing using 1-Hop Relocation Algorithm" International Conference on Electrical, Electronics, Instrumentation and Computer Communication organized by the Department of Electronics & Instrumentation Engineering, Karpagam College of Engineering, Coimbatore

9. Kabilan.N and **Senthamil Selvi.M**, " Surveillance and Steering of Irrigation System in Cloud using Wireless Sensor Network and Wi-Fi Module", Fifth International Conference On Recent Trends In Information Technology, April 08 & 09, 2016(Friday & Saturday), MIT, Chennai. **(Scopus Indexed)**

10. N. Bhuvaneshwari, **M.Senthamil Selvi**, "Energy Aware Scheduling for Balancing Energy Consumption in Wireless Sensor Network", International Conference on Computing & Communication Technology at Immanuel Arasar JJ College of Engineering, March 1-2, 2013.

11. N. Bhuvaneshwari, **M.Senthamil Selvi**, "Optimization Technique for Efficient Task Management in Wireless Sensor Network", International Conference on Innovative Research in Engineering and Technology, January 3-5, 2013.

12. **M. Senthamil Selvi,** N. Devarajan, "Energy Efficient Distributed Connected Coverage Algorithms with Dynamic Coverage Maintenance in Wireless Sensor Networks", IEEE International Advance Computing Conference, Patiala, 31st March 2009.
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National Conferences:

1. **K. Deepa, M. Senthamil Selvi**, A. Arthi Krithika, M. Gayathri, R.P. Keerthana "A Survey on Approaches for Parkinson's Disease Classification", National Conference on Emerging

Trends in Instrumentation Systems for Health Care and Mart Cities (NCETIS 19), Sri Ramakrishna Engineering College, Coimbatore, Dec 2019.

2. **M. Senthamil Selvi, G. Ram Sundar, S. Jansi Rani**, "Intrusion Detection System using Snort with Raspberry Pi", National Conference on Emerging Trends in Instrumentation Systems for Health Care and Mart Cities (NCETIS 19), Sri Ramakrishna Engineering College, Coimbatore, Dec 2019.

3. **Dr. M. Senthamil Selvi, S. Jansi Rani**, "A Comparative Study of Data Mining Techniques for Preferences of Shopping at the Mall", National Conference on Emerging Trends in Instrumentation Systems for Health Care and Mart Cities (NCETIS 19), Sri Ramakrishna Engineering College, Coimbatore, Dec 2019.

4. **Dr. M. Senthamil Selvi** and Mrs. S. Jansi Rani, "Energy Harvesting Sensors and its Applications " National Conference on "Advances in Materials Science and Engineering for Societal Applications (NMSE 2018)" on July 2018 organized by the Department of Physics & Chemistry, Sri Ramakrishna Engineering College, Coimbatore

5. **Dr. M. Senthamil Selvi** and Mrs. J. Angel Ida Chellam presented a paper in AICTE Sponsored National Conference entitled on "Video Based Traffic Surveillance using Fuzzy Improved Extreme Learning Machine (FIELM) Mechanism" on 23rd November to 24th November 2017 organized by the Department of ECE, Sri Ramakrishna Engineering College, Coimbatore

6. **Dr. M. Senthamil Selvi**, V. Vignesh, C. Ranjeethkumar "Measures to improve the quality of teaching in education" in the 19th ISTE TN & P section annual convention for faculty members of engineering college-2016 organized by Dr.N.G.P Institute of Technology during December 2 & 3, 2016.

7. **Dr. M. Senthamil Selvi**, "Online Healthcare Monitoring System", National Conference on Emerging Trends in Instrumentation System (NCETIS'15) organized by the Department of Electronics and Instrumentation Engineering on 20th March 2015 at Sri Ramakrishna Engineering College, Coimbatore.

8. Anandan Bellie and **M. Senthamil Selvi**, "Improved Minimum Connected Dominating Set Formation in Wireless Sensor Networks", National Conference on Advances in Mechanical Sciences (AIMS 2009) at Kumaraguru College of Technology, 26th& 27th March 2009.

9. S. Jayalakshmi and **M. Senthamil Selvi**, "Coverage Problem in Irregular Sensor Region of Wireless Sensor Network", National Conference on Advances in Computer Engineering

and Networking (ACENET '08) at PSNA College of Engineering & Technology, 15th March 2008.

10. **M. Senthamil Selvi**, "Coverage Problem in Irregular Sensors Region in Wireless Sensor Networks", National Conference on High Performance Computing (ViSioN'08), at Government College of Engineering, Tirunelveli on 9th April 2008.

Non Technical Publications

1. **Dr.M.Senthamil Selvi** and S.Jansi Rani "Women, Capacity Building and empowerment" in Edu Tech Jamboree, Avinashilingam Institute for Home Science and Higher Education for Women during 17-18 January, 2018

2. **Dr.M.Senthamil Selvi** and S.Jansi Rani, "Survey on Government Initiatives for Women Empowerment" in the International Conference on "Women and Power - Challenges and Opportunities" organized by Gender Studies Department, American College, Madurai during 6th and 7th January 2017

3. **Dr.M.Senthamil Selvi**, S.Jansi Rani and B.Nandhitha,"Capacity Building initiatives for Women Empowerment" at IEEE HTC 2016, Agra during 21-23 December 2016