

## FACULTY PUBLICATION

ACADEMIC YEAR 2022-23

(From 01.06.2022 to 31.05.2023)

### DEPARTMENT OF ECE

S.No	Description	Count
1	Scopus Indexed	13
<b>Total (Scopus /SCI/SCIE)</b>		<b>13</b>
<b>Other reputed journal</b>		23
Book / Book Chapter		3
<b>Total Publication</b>		<b>39</b>

1. T. Gunasekar, **P. Kokila**, T. Mohanasundaram and D. Livinkumar, "Detection And Categorization of Transmission Line Faults Using Artificial Neural Network," 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2022, pp. 1967-1972. **(IEEE Xplore, Scopus Indexed)**
2. R. Sridevi, P. Nuthakki, S. Vijay, S. K. Nanda, **D. Arulanantham** and R. T. Prabu, "Customer Identification in Healthcare using an IoT-based Multimedia Traffic Categorization Method," 2022 International Conference on Inventive Computation Technologies (ICICT), Nepal, 2022, pp. 940-946, **(IEEE Xplore, Scopus Indexed)**
3. **P.Kokila**, Kishore Kumar S, Arun U T, Gowshik B, Jeeva M, "Viable Detection Of Fractures In Superficial Bones Using High Gain Vivaldi Antenna", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.9, Issue 4, Page No pp.161-166, November 2022.
4. **Dr.D.Arulanantham**, S.Snekha, K.Logeshwaran, R.Nishanth, K.Lavanya., "Text Extraction From Identity Documents Using Optical Character Recognition", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.9, Issue 4, Page No pp.167-174, November 2022.
5. **Ms.V.Logeswari**, K.Elavarasan, J.Karthikraja, R.Ajith, S.Hariharan, "Double Ridge Horn Antenna Design For Microwave Applications", IJRAR - International

Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.9, Issue 4, Page No pp.138-144, November 2022.

6. **V.Parameshwari**, C.D.Ponrathesh, S.Pranesh, A.Sanjay, R.Sathya, "An IoT Enabled Smart Speed Control System For Vehicles", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.9, Issue 4, Page No pp.156-160, November 2022.
7. **Shamilee. Kannan**, R. U. Anitha, M. Divayapushpalakshmi and K. S. Kalaivani, "Iot-deep learning based activity recommendation system," Computer Systems Science and Engineering, vol. 45, no.2, pp. 2001–2016, 2023.( **Scopus Indexed**)
8. M. Vanitha, C. S. Joice, M. Selvi, T. Archana and **S. Kavitha**, "Secured IoT based Smart Vehicle Tracking System," 2022 Sixth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), Dharan, Nepal, 2022, pp. 411-415. (**IEEE Xplore, Scopus Indexed**)
9. P. K. Devi, **D. Arulanantham**, C. Kalaivanan, N. Gomathi, J. R. Arunkumar and G. Ramkumar, "An Secure and Low Energy Consumption based Intelligent Street Light Managing System using LoRa Network," 2022 6th International Conference on Electronics, Communication and Aerospace Technology, Coimbatore, India, 2022, pp. 638-645.(**IEEE Xplore, Scopus Indexed**)
10. G. Rathanasabhapathy, K. Kamali, R. A. Sharma and D. G. K. Rai, "A Wearable Circularly Polarized Wideband Microstrip Antenna for Sturdy Less, Resilient Application Using Rubber Substrate," 2022 6th International Conference on Electronics, Communication and Aerospace Technology, Coimbatore, India, 2022, pp. 171-174.(**IEEE Xplore, Scopus Indexed**)
11. N.Sridhar, K.Shanmugapriya, **C.N.Marimuthu**, " Machine Learning Algorithms to Detect deepfakes fine tuned for anomaly detection of IOT" , Handbook of Research on Advanced Practical Approaches to Deepfake Detection and Applications, IGI Global Publisher, PP 95-105,2023 (**Book Chapter**)
12. A. Saravanan, M. Rekha, S. T. Subha, **D. Arulanantham**, S. Baskaran and S. Gomathi, "Intelligent Control system for BLDC Motor Driven Solar Water Pumping System using Wode Algorithm," 2023 Third International Conference on Artificial Intelligence and Smart Energy (ICAIS), Coimbatore, India, 2023, pp. 303-308.(**IEEE Xplore, Scopus Indexed**)
13. Ramasamy, R., Anto Bennet, M., Vasim Babu, M., **Jayachandran T.**, Rajmohan, V., Janarthanan, S. (2023). A Novel Efficient AI-Based EEG Workload Assessment

System Using ANN-DL Algorithm. In: Yadav, R.P., Nanda, S.J., Rana, P.S., Lim, MH. (eds) Proceedings of the International Conference on Paradigms of Computing, Communication and Data Sciences. Algorithms for Intelligent Systems. Springer, Singapore. **(Book Chapter)**

14. **Ms.V.Parameshwari**, Mr.M.Srinevasan, Ms.S.Kavitha, Ms.D.Vinoparkavi, "An Efficient Real Time Smart Speed Control System For Motor Vehicles Using Internet Of Things". Scandinavian Journal of Information Systems, 35(1), 582–587, 2023.
15. **Rathanasabhpathy G**, Mohamed Hamil G, Nithishkumar V, Prabhananthan E, Simin Fathima S, "Analysis Of High Radiation Efficiency Ultra Wide Band Bowtie Antenna For Identification Of Tumor Cells", International Journal of Science & Engineering Development Research (www.ijedr.org), ISSN:2455-2631, Vol.8, Issue 3, page no.139 - 147, March-2023.
16. **Dr.D.Arulanantham**, S.V.Raguram, S.Sridhar, K.Madavan, T.Bhavanvithyathi, "IoT Enabled Smart Water Control and Monitoring System", International Journal for Modern Trends in Science and Technology, 9(03): 147-151, 2023.
17. **Mrs.T.G.Dhaarani**, Megala K., Praveen M., Savitha P.S., Varshini N "Performance Evaluation Of Cooperative Eigenvalue Spectrum Sensing GLRT Under Difference Impulsive Noise Environments In Cognitive Radio" International Journal for Science and Advance Research In Technology, 9(2), 2023.
18. **Mrs. T. G Dhaarani**, Monish R, Puviyarasu S, Ramya V, Subasri S, "Multi-Antenna Assisted Spectrum Sensing for Cognitive Radio in Nakagami-M Fading Channel" , Volume 3, Issue 2, February 2023.
19. **Brindha. S**, Deepak. S, Deepak. M, Richarson. P. I, Hariharan. R. IOT Based Paraplegia Patient Communication Device Using Smart Glove. Biosc.Biotech.Res.Comm. 2023;16(1).
20. G. Karthikeyan, **Dhaarani. T. G**, R. Anusuya, K. K. G, J. T and R. T. Prabu, "Real-Time Sidewalk Crack Identification and Classification based on Convolutional Neural Network using Thermal Images," 2022 International Conference on Automation, Computing and Renewable Systems (ICACRS), Pudukkottai, India, 2022, pp. 1266-1274. **(IEEE Xplore, Scopus Indexed)**
21. **Murugasamy R**, Abirami P, Aruna P, Dharani S, Divyasri M. "IoT Based Antenna Positioning System ", International Journal for Research in Applied Science and Engineering Technology (IJRASET) , Volume 11, Issue III, Page No: 1689-1695, 2023

22. **Dr. D. Arulanantham**, S. Sneha , K. Logeshwaran, R. Nishanth, K. Lavanya, "Utilizing OCR to Retrieve Text from Identity Documents", International Journal for Research in Applied Science and Engineering Technology (IJRASET) , Volume 11, Issue III, Page No:349-363,2023
23. Vikash D ,**P S Niji** , yoganath J , vinoth P , balasanthos J, "Implementation of low power full adder using cmos technology", International Journal of Science & Engineering Development Research (www.ijrti.org), ISSN:2455-2631, Vol.8, Issue 3, page no.500 - 504, March-2023.
24. HemadharshiniK, **Arulkarthick E.K**, Jambukeswaran S, Dhanesh C, Keerthana G, "Polyhouse Automation And Environment Monitoring System Using Arduino Platform", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.10, Issue 2, Page No pp.22-28, April 2023
25. Kavinprasath T S, **Praveen Santhosh Kumar G**, Gunasekaran P, Kavinkumar S, Dinesh P, "PLC Based Multichannel Temperature Monitoring And Controlling System", International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.10, Issue 4, page no.d7-d11, April-2023.
26. S. Joseph, S. R, A. Royappa, A. D, G. **D Anandakumar** and K. V. Karthikeyan, "Maximum Energy Productivity for Concurrent Wireless Data and Power Shifting-Enabled IoT Network with Energy Coordination," 2023 International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF), Chennai, India, 2023, pp. 1-8. **(IEEE Xplore, Scopus Indexed)**
27. **Parameshwari V.**, Deepika S., Harini R., Keerthana N., Keerthana N, "IoT Enabled Smart Television Control System for Children" , Volume 11 issue 2,2023. **(UGC Care list)**
28. Sujith M, Vijayakumar G, Pardeshi D.B, Madhubalan S and **Arulanantham D** (2023), ANN-SOGI-based Shunt Active Power Filter for Harmonic Mitigation. IJEER 11(1), 97-102. DOI: 10.37391/IJEER.110113. **(Scopus Indexed)**
29. **Monica R**, Mythili M, Narmatha GU, Steephanraj G, Thanigai vendan CJ, "Detection and Classification Rice Plant Leaf Diseases using R-CNN technique", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.10, Issue 2, Page No pp.141-147, May 2023.
30. **Logeswari V** ,Dhamothar P , Karthikeyan A , Kavinraj R , Viknesh E Vishnu B, "Design of 16 stack microstrip patch antenna using for millimeter wave application.",

- International Journal of Science & Engineering Development Research (www.ijedr.org), ISSN:2455-2631, Vol.8, Issue 4, page no.2734 - 2740, April-2023.
31. **Mr.G.Prabhakaran** , S.Sutharsanan , S.Vigneshwaran , S.Gnanakumar , G.Sridhar, "A Hybrid Full Adder Using A Novel XOR Gate For Low Power Application", International Journal of Science & Engineering Development Research (www.ijedr.org), ISSN:2455-2631, Vol.8, Issue 4, page no.2741 - 2746, April-2023.
32. **MurugasamyR**, abinesh j , arunsk , dinesh s , kavinh , "Wastewater Monitoring and Controlling using Cloud-Based IoT System", International Journal of Science & Engineering Development Research (www.ijedr.org), ISSN:2455-2631, Vol.8, Issue 4, page no.2113 - 2117, April-2023.
33. **LogeswariV** , Ajith R , Elavarasan K , Hariharan S , KarthikRaja J , "Double Ridge Horn Antenna Design For Microwave X-Band Applications", International Journal of Science & Engineering Development Research (www.ijedr.org), ISSN:2455-2631, Vol.8, Issue 4, page no.2654 - 2659, April-2023".
34. **Ms.S.Brindha**, R.Balavenkatesh, A.Karuppusamy ,C.Karthick , D.Abishek , "Advanced suction based static trash collector using IOT" International Scientific Journal of Engineering and Management ,Volume 02 Issue 04, PP 1-5,April – 2023.
35. **S. Kavitha**, K.S. Mohan, K. Deepika, P.R. Janani, B. Kamali, S. Bhavadharani, "The Impact of Zn doping on structural and optical behavior of SrO<sub>2</sub> NPs and Anti-Microbial activities for Zn@SrO<sub>2</sub> NPs, Materials Today: Proceedings, 2023. (**Scopus Indexed**)
36. T. Gunasekar, T. Mohanasundaram, **P. Kokila** and R. Mathinraj, "Automatic Flood Alert System Using IoT," 2023 9th International Conference on Electrical Energy Systems (ICEES), Chennai, India, 2023, pp. 231-234. (**IEEE Xplore, Scopus Indexed**)
37. G. Pradeepkumar, G. Praveen Santhoshkumar, C. Rohith Bhat, M. Jeyalakshmi, T. Muthukumar and N. S. Kumar, "IoT based Smart U-Turn Vehicle Accident Prevention System," 2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS), Erode, India, 2023, pp. 1226-1231. (**IEEE Xplore, Scopus Indexed**)
38. D.Anandkumar, K.Balamurugan,S.Buvanesh,A.E.Dharanesh,S.Kirubanithi, "IOT Technology based new generation Secured ATM using Biometric and OTP" , International Journal of Scientific development and research(IJSDR),Volume 8 Issue 5 ,May 2023.

39. Ms. B. Jeyapoornima, Dr. A. Manimaran, Dr. D. Arulanantham, Dr. M. Ramkumar Prabhu., “ Digital Signal Processing” Alpha International Publication, March, 2023, ISBN:978-93-95978-88-0. (**Text Book** )