DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY CONFERENCE PUBLICATIONS

ACADEMIC YEAR 2021-2022

1. **Bharatha Sreeja G.,** Sudha S., **Inbamalar T.M.,** Mubeen Begum Saleem., Madhumitha. D., **"Breast Cancer Detection Using Machine Learning",** 7th National Conference on Advancements in Communication, Computing and Electronics Technology [ACCET 2021], on 19.06.2021.

2. **Bharatha Sreeja G., Chettiyar Vani Vivekanand.,** Akash R, Amir Abbas S, Chiru Dhanushya Paani CH., **"Heart Disease Prediction",** 7th National Conference on Advancements in Communication, Computing and Electronics Technology [ACCET 2021], on 19.06.2021.

3. **Rajagopal.,** Kalaivani M R., Kamali K., Keerthana P., Krishna Geethika Pindiboyina., **"Thyroid Detection System Using Image Processing",** Second International Conference on Advances in Science Hub (ICASH – Online), on 26.06.2021 and 27.06.2021.

4. **Deepa D.,** Pragadeeswari R., Preethi K., Rajalakshme R., Rithika G.E., "**Accident Detection**", Second International Conference on Advances in Science Hub (ICASH - Online) organized by the RSP Conference Hub, Coimbatore, India., (ICASH – Online), on 26.06.2021 and 27.06.2021.

5. **Kannan K.,** Sai Rahul Kartheek G., N Sai Manoj M V., Poorna Sai O., Vamsi Krishna U., "**An Internet of Things Based Advanced Coal Mine Safety System Using Wireless Sensor Network",** International Conference on the Empirical Aspects of Advancements in Science, Engineering and Technologies [ICEAASET – 2021] Organized by IETE, on 02-07.2021.

6. **Babu M.,** Abhishek Todi K., Akash S., Harish Y., Hemchandhar R., **"Voice Prescription with Enhanced securities",** 6th International Conference on Communication and Electronics Systems ICCES 2021, Organised by IEEE, on 08.07.2021 and 10.07.2021.

7. **Manju M.,** Thanzeem Ahamad., Hari Hara Moorthy., Venkata Naga Sai Harsha Nara., Yashwanth Raj., **"Real time Burglary Detection in CCTV using Deep learning",** 6th International Conference on Microelectronics, Computing & Communication Systems (MCCS-2021), Organized by IEEE, on 17.07.2021 to 18.07.2021.

8. **Chettiyar Vani Vivekanand., Inbamalar T M.,** Harshini R., Abinaya., Divya and Divya Shruthi., **"Cooperative Spectrum Sensing in CRN with energy harvesting using OSS Algorithm",** 6th International Conference on Microelectronics, Computing and Communication Systems, MCCS 2021 organized by Indian Society for VLSI Education, on 17.07.2021 to 18.07.2021.

9. **Siva Lakshmi P., Shanthi K.G., Seshavidhya S., Rajalakshmi S.,** Aswin., **"A Real Conception on Decentralized Auction System through Mandis of the State using blockchain technology",** 6th International Conference on Microelectronics, Computing and Communication Systems, MCCS 2021 organized by Indian Society for VLSI Education, on 17.07.2021 to 18.07.2021.

10. **Rajalakshmi S.,** Swetha R, Vaishali N., **"A Real Time System for the Detection of Sickle Cell Anemia from Blood Smeared Images Using CNN Algorithm in Image Processing",** International Conference on Next Generation Technologies in Information Computing (ICNGTIC 2021), on 23.07.2021.

11. **Babu M.,** Ramya Chitra M., Preetha V., Sandhiya K., Sankara Eshwari S., **"Alumni Portal",** 2nd International Conference on Electronics and Sustainable Communication Systems ICESC 2021organized by IEEE, on 04.08.2021 to 06.08.2021.

12. **Babu M.,** Santhosh Kumar Sanjay Sanjay Kumar., Sathish Kumar G A., **"IoT Based Smart bottle for Healthcare",** 2nd International Conference on Electronics and Sustainable Communication Systems ICESC 2021organized by IEEE, on 04.08.2021 to 06.08.2021.

13. **Arun C.,** Sneha S., Sagarika L., Priyenka S., **"Data Collection and Report Generation",** 6th International (Proceedings by Springer) ICT4SD 2021, Goa, India, on 05 .08.2021 to 06.08.2021.

14. **Praveena N G.,** Aishwarya N., "**IoT Enabled Detection and Notification system for Poth holes and Road Cracks",** Fourth International Conference on Big-Data and Cloud Computing (The ICBDCC'21), organized by Karunya Institute of Technology and Sciences Coimbatore, on 20.08.2021 and 21.08.2021.

15. **Siva Lakshmi P.,** Vasuki Devi G., Hari Krishnan C M., Aswin., **"An Analytic report on Extracted Tweets Using Python's text blob Approach",** National Conference on Communication and signal processing systems (NCCSS-2021) organized by AICTE, on 08.10.2021 and 09.10.2021.

16. **Bharatha Sreeja G.,** Chenna Veera Kiranmayi., Durga G., Pushpanjali., **"Design of System to Monitor Comatose Patient's Physiological Condition Based on IoT",** National Conference on Communication and signal processing systems (NCCSS-2021) organized by AICTE, on 08.10.2021and 09.10.2021.

17. **Rajalakshmi S.,** Devadarshini., Sowmya Sree., Sravani., **"Antisleep alarm for drivers",** National Conference on Communication and signal processing systems (NCCSS-2021) organized by AICTE, on 08.10.2021 and 09.10.2021.

18. **Rajagopal R., Kannan K., Nimitha N., Gurumurthy J., Subatra R., Babu M., "Security Attacks on the Improved SMS4-BSK Encryption Transmission System",** Fifth International Conference on Electronics, Communication and Aerospace Technology (ICECA 2021), organized by RVS Technical Campus, Coimbatore, on 02.12.2021 to 04.12.2021.

19. Hymlin Rose S G., **Manimegalai L.,** Abinaya B., **"A Two-Way Training-Based Scheme for Detecting Pilot Spoofing Attack in Wireless Networks",** AICTE Sponsored International Conference on Machine Intelligence and Green Computing (ICMIGC21), organized by KIT-Kalaignarkarunanidhi Institute of Technology, on 10.12.2021 and 11.12.2021.

20. **Manimegalai L.,** Hymlin Rose S G., Abinaya B., **"Enhanced Military Spying Sonar Radar System using Ultrasonic Sensor",** 12th International Conference on Computer Communication and Informatics (ICCCI), organized by, Sri Shakthi Institute of Science and Technology, on 25.01.2022 to 27.01.2022.

21. S Venkatraman., **B J Komathi., A Swetha Reddy., C Nithiya., "Design of a Single Layer Ku Band Reflectarray Antennas based on Hexagonal Unit Cell for Satellite Applications",** International Conference on Artificial Intelligence and Smart Systems (ICAIS 2022), organized by JCT College of Engineering and Technology, Coimbatore, on 23.02.2022 to 25.02.2022.

22. **C.Nithiya., B.J.Komathi., N.G.Praveena., Samuda Prathima., "Performance Analysis of Arithmetic Unit for IoT Applications",** International Conference on Artificial Intelligence and Smart Systems (ICAIS 2022), organized by JCT College of Engineering and Technology, Coimbatore, on 23.02.2022 to 25.02.2022.

23. **Samuda Prathima., N.G.Praveena., C.Nithiya., B.J.Komathi.,** J Pavithra., V Kiruthika., **"Arduino based Customized Smart Glasses for the Blind People",** International Conference on Artificial Intelligence and Smart Systems (ICAIS 2022), organized by JCT College of Engineering and Technology, Coimbatore, on 23.02.2022 to 25.02.2022.

24. **P.Sathyaraj.,** S.Rukmani Devi., **A.Swethareddy., L.Manimegalai., K.Kannan., Babu M., "A Dynamic Resource Allocation Protocol: Device to Device Communication For MANETs",** 1st IEEE International Conference on Advanced Computing Technologies and Applications (ICACTA '22), organized by Sri Krishna College of Engineering and Technology, Coimbatore, on 04.03.2022 and 05.03.2022.

25. **M. Babu., R. Rajagopal.,** V. Narmadha., A. Mohanambikai., A. Monikadevi., S. Lakshmi Manasa., **"Inter-Vehicle Communication with Improved Security",** 1st IEEE International Conference on Advanced Computing Technologies and Applications (ICACTA '22), organized by Sri Krishna College of Engineering and Technology, Coimbatore, on 04.03.2022 and 05.03.2022.

26. **K. Dhivya.,** U. N. V. P. Rajendranath., N. P. Singh., B. Manimaran., V. Mohanavel., **"A Robust Information Security Model to Preserve Data Integrity in Cloud Computing Environment",** 2022 International Conference on Electronics and Renewable Systems (ICEARS), organized by St. Mother Theresa Engineering College, Tuticorin, on 16.03.2022 and 18.03.2022.

27. **K. Dhivya., V. Kannagi.,** M. Rajkumar., I. Chandra., **S. Jai Ganesh., "An Effective Server-Side Attack Identification and Prevention Scheme using Logical Query Processing Strategy",** 2022 International Conference on Electronics and Renewable Systems (ICEARS), organized by St. Mother Theresa Engineering College, Tuticorin, on 16.03.2022 and 18.03.2022.

28. **Shanthi K G., Sesha Vidhya S.,** Vishakha K., Subiksha S., Srija K K., Srinee Mamtha R., **"Haar Cascade Face Detection and Local Binary Pattern Histogram Face Recognition based Drone",** 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS), organized by Sri Eshwar College of Engineering, Coimbatore, on 25.03.2022 and 26.03.2022.

29. **S.Jai Ganesh., K. Dhivya., V. Kannagi.,** M. Rajkumar., N. Suriya., **"LoRa Assisted Intelligent Troop Tracking and Location Monitoring System over Defense Environment",** 6th International Conference on Computing Methodologies and Communication (ICCMC 2022), organized by Surya Engineering College, Erode, on 29.03.2022 to 31.03.2022.

30. **Sangeethalakshmi K.,** Preethi Angel S., Preethi U., Pavithra S., Shanmuga Priya V., **"Patient Health Monitoring System",** IEEE International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience & Nanotechnology (5NANO 2022), organized by Mangalam College of Engineering, Ettumanoor, Kottayam, Kerala, India, on 28.04.2022 and 29.04.2022.

31. **Arun C., "Design and Development of GIOT Based Intellligent Smart Waste Management and Predictive Modelling",** 6th International Conference on Trends in Electronics and Informatics (ICOEI - 2022), organized by SCAD College of Engineering and Technology, Cheranmahadevi, Tirunelveli, India, on 28.04.2022 to 30.04.2022.

32. **Arun C., "A Survey of various feature recognition and calssification of medical images",** 6th International Conference on Trends in Electronics and Informatics (ICOEI - 2022), organized by SCAD College of Engineering and Technology, Cheranmahadevi, Tirunelveli, India, on 28.04.2022 to 30.04.2022.

33. Abinaya B., Hymlin Rose S G., **Manimegalai L.,** Naveenkumar M., **"Color Image Restoration From Low Resolution Based On Multiscale Decomposition",** 10th IEEE International Conference on Emerging Trends in Engineering & Technology-Signal and Information Processing (ICETET-SIP-22), organized by G H Raisoni College Of Engineering, Nagpur, on 29.04.2022 and 30.04.2022.

34. **Sesha Vidhya S., Shanthi K G., Sivalakshmi P.,** Neeta G., Priyadharshini P., Pujasaini N., Reshmika D., **"A multilayer algorithm based iris recognition: CNN and transfer learning",** First International Conference on Recent Trends in Information, Communication and Pervasive Technologies (ICRTICPT'2022), organized by Rajalakshmi Institute of Technology, Kuthambakkam, Chennai, on 12.05.2022 and 13.05.2022.

35. **Sesha Vidhya S., Shanthi K G., Sivalakshmi P.,** Vishmitha D., Vineesha Chowdary V., Yamini M., Yoshika K., **"Detection of kidney stone using deep learning and transfer learning",** First International Conference on Recent Trends in Information, Communication and Pervasive Technologies (ICRTICPT'2022), organized by Rajalakshmi Institute of Technology, Kuthambakkam, Chennai, on 12.05.2022 and 13.05.2022.

36. Senthil Kumar K., **Sesha Vidhya S.,** Joshna K., Ganesh B., Aishwarya R., **"Integrated security for authentication in electronic voting machine system",** First International Conference on Recent Trends in Information, Communication and Pervasive Technologies (ICRTICPT'2022), organized by Rajalakshmi Institute of Technology, Kuthambakkam, Chennai, on 12.05.2022 and 13.05.2022.

37. **Sivalakshmi P.,** Krishna Sai M., Lelihas K., Ravi Kumar L., Thirupathi Reddy., **"Oral Lesions Analysis Using Convolutional Neural Network",** International Conference on Bio-Neuro Informatics Models and Algorithms-ICBNA 2022, organized by Symbiosis International (Deemed University), India, on 21.06.2022 and 22.06.2022.

38. **Sivalakshmi P.,** Maaneesha S., **"AI Based Analysis Of Skin Cancer Images Using The Orange Tool",** International Conference on Bio-Neuro Informatics Models and Algorithms-ICBNA 2022, organized by Symbiosis International (Deemed University), India, on 21.06.2022 and 22.06.2022.

39. **N.Nimitha.,** Rajeesh R., Chandhana., Dhivya., Harini., and Hema., **"Triihybrid power generating pavement tile for environmentally sustainable smart citites",** International Conference on Bio-Neuro Informatics Models and Algorithms-ICBNA 2022, organized by Symbiosis International (Deemed University), India, on 21.06.2022 and 22.06.2022.

40. **M.Babu., "FPGA implementation of a modified SMS4-bsk cipher with novel efficient XOR gate design",** 7th International Conference on Communication and Electronics Systems (ICCES-2022), organized by PPG Institute of Technology, Coimbatore, Tamil Nadu, India, on 22.06.2022 and 24.06.2022.