



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**ACADEMIC YEAR 2017-2018**

1. **Manikandan A., Dr.Shanthi K G., Venkatesh Perumal Pranay Chandragiri., and Sai Vinoj B., "Cross Layer Design for TCP Optimization through Efficient Packet Handling Mechanism with Improved AMC in Wireless Networks "**, 4th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESSM-2017) at IETE, Hyderabad on 24<sup>th</sup> June 2017.
2. **Muthumanickam S and Dr.Arun C., "Performance Analysis of 2 Level DWT-SVD Based Non Blind and Blind Video Watermarking Using Range Conversion Method"**, 3rd International Conference on Nanoelectronics, Circuits & Communication Systems (NCCS-2017), at ARTTC, BSNL, Jharkhand on 11.11.2017 and 12.11.2017.
3. **Poovizhi S and Dr.Gangatharan N., "A Survey on Surveillance Video Synopsis Techniques"**, Second National Conference on Emerging Trends in Mathematical Sciences (NCETMS 17) at S.A Engineering College on 22.12.2017.
4. **Kannagi V and Dhivya K., " Design of Multilayered Patch Antenna With Reduced Backlobe Radiations "**, International Conference in Recent Advances in Engineering and Technologies (ICRAET' 17),at Sri Krishna College of Engineering and Technology,Coimbatore, on 28.12.2017.
5. **Dr.Inbamalar T M., Apporva N.,Akshaya T., Jayashree D., Jayashree T., and Gokul Pooja C.,"An improved Artificial Electrolarynx"**, International Conference on Inventive Computing Systems and Applications, Inventive Research Organization at hotel IBIS,Pattaya, Thailand(Through Skype),on 29.01.2018 & 30.01.2018.
6. **Indumathy T., Hariprasad P S.,Anbarasan V N.,Gokul Raj V and Gowri Shankar J., "Waste Disposal Between Tracks Using Robot"**, 7th National Conference on Recent Advancements in signal Processing and Communications (NCRASPC -2018) at R.M.K.C.E.T ,Puduvoyal Chennai, on 26.02.2018.
7. **Nimitha N.,Paninila B.,Pavithra B.,Pavithra V P and Puvaneshwari A S.,"Chromosomes Classification and Anomaly detection by using Machine Learning Algorithms"**,7th

National Conference on Recent Advancements in Signal Processing and Communications, at R.M.K College of Engineering and Technology, Chennai, on 26.02.2018.

8. **Sathyaraj P., Nisha E., Niveditha M and Niveditha G., "Secured IoT based Intrusion Detection system using PIR sensor"**, 7th National Conference on Recent Advancements in signal Processing and Communications (NCRASPC -2018), at R.M.K.C.E.T ,Puduvoyal Chennai on 26.02.2018.
9. **Dr. Shanthi K G., Swetha A., Santhiya S and Sangeetha P., "Lidar Based Coast Guard Alert System and Cost Efficient GPS Alert system for Fishermen Safety"**, 7th National Conference on Recent Advancements in signal Processing and Communications (NCRASPC -2018), at R.M.K.C.E.T ,Puduvoyal Chennai on 26.02.2018.
10. **Nimitha N., Malavika A M., Mythili Priya R., Nandhini J and Nandhini S, "Mode of Connecting Paralysed to the World"**, 7th National Conference on Recent Advancements in Signal Processing and Communications, at R.M.K College of Engineering and Technology, Chennai, on 26.02.2018.
11. **Jai Ganesh S., Priyadharchini P., Ramya R., Rubaina Afreen A and Priyanka P., " Adaptive Cruise Control on Vehicle to avoid Collision Occurrence"**, 7th National Conference on Recent Advancements in signal Processing and Communications (NCRASPC -2018), at R.M.K.C.E.T ,Puduvoyal Chennai on 26.02.2018.
12. **SK. Hedayath Basha , Sai Jaya Harsha M., Mahendra D., Karthik U and Nirmal Raja E. , "Video Watermarking Using DWT and Elgamal For Authentication and Security"**, International Conference on Recent Trends in Mathematics and Information Technology - ICRMIT 2018, at Avinashilingam Institute for Home Science and Higher Education for Women , Coimbatore. on 01.03.2018 and 02.03.2018.
13. **Dhivya K and Arun C., " Establishing Device to Device Communication Under Cellular Architecture"**, IEEE Conference on Emerging Devices and Smart Systems (ICEDSS 2018), at Mahendra Engineering College (Autonomous), Thiruchengode, on 02.03.2018 and 03.03.2018.
14. **Dhivya K., Keerthana M and Iruvuri Lahari., "Jubilance Hub - World's Unique Recruitment Site"**, Conference, at Bizdev Info Tech, Chennai, on 14.03.2018.

15. **Ciyamala Kushbu S.,**Rishikesh A T.,Vignesh P and Vignesh P., "**Automated Energy Meter Monitoring System using IoT**", International Conference on Advancements in Engineering Technology and Sciences ICAETS 2018, at Dhaanish Ahmed College of Engineering, on 16.03.2018 and 17.03.2018 .
16. **Dr.Shanthi K G.,** Sudharsan S.,Sudharsan G P.,Gowtham P and Thasbir S K., "**Human-Animal Conflicts Impediment Using Technology And Future Prospects**", 4 th International Conference on Applied Science Engineering and Technology (ICASET-2018), at Sengunthar College of Engineering, Namakkal, on 16.03.2018 and 17.03.2018.
17. **Sathish Kumar G.,** Dhivya M., Anubama S., Kanimozhi B and Akshara B., "**Intra Body Communication In Bio-Medical Applications**",International Conference on Automation and Computing Technologies (ICACT-18) at Velammal Institute of Technology, on 17.03.2018.
18. Sanjana S., Dakshitha D Jain, Reshma C P and **Babu M.,** "**Health Monitoring System of Tsunami Buoys**", International Conference on Engineering and Advancement in Technology,at Sri Krishna College of Technology, Coimbatore, on 22.03.2018.
19. **Sathish Kumar G.,** Dhivya M., Anubama S., Kanimozhi B and Akshara B., "**Intra Body Communication In Bio-Medical Applications**", 2nd International Conference on Applied Soft Computing Techniques(ICASCT),at Kalasalingam Academy of Research and Education. ISBN 978-93-86638-27-4, on 22.03.2018 and 23.03.2018.
20. **Jai Ganesh S.,** Avenash A., Harihara Sudhan S., Baarathi C and Amudham Prakash Reddy., "**Electronic Toll Collection System Using QR Code and RFID Registration**", International Conference on Engineering and Advancement in Technology at Sri Krishna College of Technology, Coimbatore, on 22.03.2018 and 23.03.2018.
21. **Dr.Arun C.,**Deepika A N.,Deepalakshmi K., Dhanalakshmi R T and Divyabharathi R., "**Farmer Bridge Android Application and E- Commerce Website For Farmer** ", IEEE Conference on Engineering and Advancement In Technology, at Sri Krishna College of Technology, Coimbatore, on 22.03.2018 and 23.03.2018.
22. **Indumathy T.,** Hariprasada P S.,Anbarasan V N.,Gokul Raj V and Gowri Shankar J "**Waste Disposal Between Tracks Using Robot**", 8th International Conference on

Engineering and Advancement in Technology 2018 at Sri Krishna College of Technology on 22.03.2018 and 23.03.2018.

23. **Muthumanickam S.**, Nivedha S., Prapthi S R and Rashmi R., "**Implementation of Digital Watermarking techniques - A Survey**", 8th International Conference on Engineering and Advancement Technology, at Sri Krishna College of Technology, Coimbatore, on 22.03.2018 and 23.03.2018.
24. **Jai Ganesh S.**, Prasannavenkatesh D., Pradosh D., Mukundhan S and Karthikeyan S., "**Neonatal Incubator Monitoring Using IOT**", 8th International Conference on Engineering and Advancement in Technology, at Sri Krishna College of Technology, Coimbatore, on 22.03.2018 and 23.03.2018.
25. **Nimitha N.**, Aarthi Pooja B R., Abirami S and Barakath Nisha V N K, "**Road traffic sign detection and classification using intelligent models - A Survey**", 8th International Conference on Engineering and Advancement in Technology 2018 (ICEAT'18) ,at Sri Krishna College of Engineering and Technology, Coimbatore ,on 22.03. 2018.
26. **Sandhiya G.**, Santhosh S., Sathish K., Sathish B and Putreddy Harshavardhan., "**Safety System for Fishermen to prevent Border Crossing**", International Conference on Engineering and Advancement in Technology, at Sri Krishna College of Technology, Coimbatore, on 22.03.2018.
27. **Poovizhi S.**, Rayapudi Prashanth Kumar., Santhip Kumar R., Tata Pushpak and Unnam Manoj Kumar., "**Improvised and Secured Air Traffic Management using single board computer**", International Conference on Engineering and Advancement in Technology, at Sri Krishna College of Technology, Coimbatore, on 22.03.2018.
28. **Jai Ganesh S.**, Priyadharchini P., Ramya R., Rubaina Afreen A and Priyanka P., "**Adaptive Cruise Control on Vehicle to avoid Collision Occurrence**", 2 nd International Conference on Advances in Mechanical Engineering (ICAME – 2018), at SRM University, on 22.03.2018 and 24.03.2018.
29. **Dr. Shanthi K G.**, Raja Sindhu A., Monisha R., Venkatesh Perumal Pranay C and Suryah V., "**Adaptive Sensing And Engine Control For Internal Combustion Engine based UAV**", 2nd International Conference on Advances in Mechanical Engineering (ICAME-2018) , at SRM University, Chennai, on 22.03.2018 to 24.03.2018.

30. **Sangeethalakshmi K.**, Uma K., Sowmya S and Vishali Sukumar, "**Refinery Control Room Ambience Control System**", International Conference on Engineering and Advancement in Technology, at Sri Krishna College of Technology, Coimbatore, on 22.03.2018 and 23.03.2018.
31. **Kannan K.**, Praveen M., Rameez Raja S., Sabarinathan M and Haridass R., "**A Surveillance System for Air Pollution Monitoring, Warning and Management**", International Conference on Electrical, Communication and Instrumentation systems", at Jeppiaar Engineering College, Chennai, on 23.03.2018 .
32. **Sangeethalakshmi K.**, Kalyan Kumar Reddy N., Pankaj Kumar T S., Shadik Basha P and Anki Reddy K., "**On Board Diagnostics Using On Board Computer**", 8th international conference on engineering and advancement in technology, at Sri Krishna College of Technology, Coimbatore, on 23.03.2018 and 24.03.2018.
33. **Dr.Inbamalar T M.**, Sandhya R., Sangeetha R., Sinduja R and Vaisunavee R., "**An improved method for the Early Detection of Lung Cancer**", International Conference on Innovations in Engineering and Sciences (ICIES'18), at Jeppiaar SRR Engineering College, Chennai, on 23.03.2018 and 24.03.2018.
34. **Shaik Hedayath Basha.**, Abishek R., Balakrishnan S., Bhuvanesh Kumar H and Badugu SVR Balasubrahmanyam, "**Face Recognition Based Attendance System**", International Conference on Recent Trends in Engineering, Computers, Information Technology and Applications at PSNA College of Engineering and Technology, on 23.03.2018.
35. **Maran P.**, Yuges M., Sam David D., Venkatasairam B And Vanteri Nikhilreddy, "**Automatic Medicine Dispenser using QR code**", 8th International Conference on Engineering and Advancement in Technology, at Sri Krishna College of Technology, on 23.03.2018.
36. **Kumar T.**, Bhubesh Kumaran M., Chandra Mohan S., Kiran Kumar U and Narahari A., "**Traffic Analysis of Spectrum by Sensing and Sharing Algorithm Using OFDM in Cognitive Radio**", International Conference on recent Trends in Engineering, Computers, Information Technology and Applications, at PSNA College of Engineering and Technology, on 23.03.2018.
37. **Ciyamala Kushbu S.**, Balaji V., Ajithkumar P, Gunasekar N and Kiren Aananth., "**Forgery Detection in Documents**", 2nd International Conference on Recent Trends in Engineering,

Computers, Information Technology and Applications at PSNA College of Engineering and Technology, on 23.03.2018.

38. **Nimitha N., Paninila B., Pavithra B., Pavithra V P and Puvaneshwari A S., "Literature Survey of Chromosomes Classification and Anomaly detection using Machine Learning Algorithm"**, 2nd International Conference on Advances in Mechanical Engineering, at SRM Institute of Science and Technology, Kancheepuram, on 23.03.2018.
39. **Parvathy G., Kaarthikeyan S., Karthikeyan G., Karthikeyan G A and Nikhil M., "Smart Cold Resistant Jerkin For Soldiers"**, National Conference on Advances In Electrical And Electronics Engineering - NCAEEE 2018 , at Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur- 602117, on 24.03.2018.
40. **Muthumanickam S., Vigneshwaran K., Vignesh B., Siddharth R and Suresh R., "Advanced Braille Language Telecommunication"**, 4th International Conference on Science Engineering and Technology ICONSET'18, at Jeppiar Engineering College, Chennai, on 24.03.2018.
41. **Vijayanandh R., Sripriya L., Sindhumathi M., Varshini S and Sakshi jain S., "Gun Control System and Stabilization"**, 4th International Conference on Science , Engineering and Technology, at Jeppiar Engineering College, Chennai, on 23.03.2018 and 24.03.2018.
42. **Dr.Gangatharan N., Sriram T M and Yuvaraja K B., "Automatic Shutdown of Electronic Devices"**, 4th International conference on science Engineering and Technology, at Jeppiar Engineering College, Chennai, on 23.03.2018 and 24.03.2018.
43. **Kumar T., Vankireddy Likhitha Reddy., Vaddi Sreeja., Sree Ramya S and Renuka Devi M., "A Hybrid Model for Wind Forecasting"**, International Conference on innovations in Engineering and Sciences (ICIES'18) ,at Jeppiaar SRR Engineering College, Chennai, on 23.03.2018 and 24.03.2018.
44. **Shaik Hedayath Basha, Srinivasan S ., Sunil Kumar V., Venkat Mahesh G and Susheil Natraj S., "Railway LI - FI"**, 4th International Conference on Science , Engineering and Technology, at Jeppiar Engineering College, Chennai, on 23.03.2018 and 24.03.2018.
45. **Sathish Kumar G., Janani M., Konduru Sowjanya., Lalitha Jyothi M V S and Leela G S., "Control of Furnace Temperature Using IoT"**, National Level Technical Conference on

Petroleum Conservation and Environmental Sustainability, at JCT college of Engineering and Technology, on 27.03.2018. **.(BEST PAPER AWARD)**

46. **Dr.Praveena N G.,** Ajith Kumar P., Koushik B., Barath P and Dinesh Kumar C., **“Hedonic Regression Model for MIMO in Femto Cell on 5G Network to Avoid Fronthaul and Backhaul”**, International Conference on Smart Structures and Systems (ICSSS'17), at Saveetha Engineering College, Chennai , on 28.03.2018.
47. **Sesha Vidhya S.,** Harini Lakshmi B., Jotheeswari J., Keerthanapriya T J and Michael Swetha C., **“Design of UWB Slot Antenna For WBAN Application”**, International Conference on Smart Structures and Systems, at Saveetha Engineering College, Chennai, on 28.03.2018.
48. **Sesha Vidhya S.,** Anointy Florence P., Deepa BB., Easwari P and Hemalatha E., **“Design of UWB Patch Antenna with Complementary Split Ring Resonator for Wireless Body Area Networks”**, International Conference on Smart Structures and System, at Saveetha Engineering College, Chennai, on 28.03.2018.
49. **Praveena N G.,** Praveen Kumar S., Pravith R., Madhu K and Saminathan G., **“Maximizing Lifetime Through Finest Routing in Mobile Wireless Sensor Networks”**, International Conference on Smart Structures and Systems (ICSSS'17), at Saveetha Engineering College, Chennai, on 28.03.2018.
50. **Sathyaraj P.,** Rukmani Devi D., Vishaal J B., Vinoth R., and Shaik Riyaz **“Energy management Maintanance by clustering in MANETs”**, International Conference on Smart Structures and Systems”, at Saveetha Engineering College, Chennai,.on 28.03.2018.
51. **Kannan K.,** Alagu Selvan V., Hari Krishna B., Aravind M and Balaji M., **“RFID-Based Ticketing For Public Transport System”**, International Conference on Science and Innovative Engineering(ICSIE 2018) at Jawahar Engineering College, Chennai on 01.04.2018.
52. **Babu M.,**Indiradevi R.,Hemavathy V., Hemamalini C and Manju S., **“Forest Fire Detection and Alert System”**, International Conference on Science and Innovative Engineering(ICSIE 2018) at Jawahar Engineering College, Chennai, on 01.04.2018.
53. **Sathyaraj P.,** Rukmani devi D., Deepika T and Aswini V., **“Sensor Based Over Band Count Detector and Display Unit”**, Second International Conference on Power

Electronics and Renewable Energy Systems”, at Rajalakshmi Engineering College, on 04.04.2018.

54. **Kannagi V.**, Dhava Sahnmitha K., Enidha A., Ashika P and Balreddy Rajitha., “**Microstrip patch Antenna as a Sensor for Breast Cancer Detection**”, Second International Conference on Power Electronics and Renewable Energy Systems”, at Rajalakshmi Engineering College, on 04.04.2018.
55. **Arthi Devarani P.**, Saranya E., Shanthi Priya E and Vinisha N., "**Automatic Forest Tree Protection using Robotics**", International Conference on Power Electronics and Renewable Energy Systems, at Rajalakshmi Engineering College, on 04.04.2018.
56. **Dr.Arun C.**,Karoline I.,Peram Deepthi., Meenakshi R and Palamani Sai Vandana., "**Improving Security And Quality of Image Steganography Using RC4 and DWT**", International Conference on Power Electronics and Renewable Energy Systems, at Rajalakshmi Engineering College(REC),Chennai, on 04.04.2018.
57. **Kannagi V.**, Jayasri G., Kavipriya E M and Mohana P., "**Quad Band Circularly Polarised Antenna For WLAN/WIMAX Applications**", International Conference on Power Electronics and Renewable Energy Systems ,at Rajalakshmi Engineering College (REC),Chennai. 04.04.2018 and 05.04.2018.
58. **Dhivya K.**,Venisree S., Vishnupriya R and Thamizh Rathna E S., "**Smart Collection and Detection Waste**", International Conference on Power Electronics and Renewable Energy Systems, at Rajalakshmi Engineering College, Chennai, during 04.04.2018 and 05.04.2018.
59. **Dr.Gangatharan N.**, Pavya K.,Anne Sophia A and Bandaru Soundarya., "**Smart Academic Database Record**", Second International Conference on Power Electronics and Energy Conservation, at Rajalakshmi Engineering College(REC),Chennai, on 04.04.2018 and 05.04.2018.
60. **Nimitha N.**, Malavika A M., Mythili priya R., Nandhini J and Nandhini S., "**Mode of Connecting Paralyzed to the World**", International Conference on Scientific Research and Innovations(ICSRI) 1.0,at Chennai Institute of Technology, Chennai, on 06.04.2018.
61. **Arthi Devarani P.**, Anitha K G and Deepika V., “**Survey on Gait Recognition using Intelligence Models**”, International Conference on Design, Analysis, Manufacturing and Simulation, at Saveetha School of Engineering,Chennai, on 06.04.2018 and 07.04.2018.



62. **Poovizhi S.**, Monisha H., Nalini S., Parvathy N and Preethi D., "**Pesticide Sprayer and Temperature Monitoring Using Drones**" , 3rd international conference on Design, Analysis, Manufacturing and Simulation, at Saveetha School of Engineering College, Saveetha University, Chennai, on 06.04.2018 and 07.04.2018.
63. **Sathish Kumar G.**,Janani M.,Konduru Sowjanya.,Lalitha Jyothi M V S and Leela G S., "**Control of Furnace Temperature Using IOT**", International Conference on Scientific Research And Innovations(ICSRI)1.0 ,at Chennai Institute of Technology, 06.04.2018 and 07.04.2018.
64. **Manikandan A.**, Jayashree J.,Karthika S.,Kowsika S P and Lathika V., "**Performance analysis using web application by Student Information Management system**", International Conference on Scientific Research And Innovations(ICSRI)1.0 at Chennai Institute of Technology, on 06.04.2018 and 07.04.2018.
65. **Dr.Gangatharan G** and Rohith Pranav, "**Monitoring the Conditions of Induction Motors, Hydraulic Oil Tank Level & Cut length of Sheet Metal using MQIT**", International Conference on Scientific Research and Innovation -1.0 (ICSRI), at Chennai Institute of Technology, on 06.04.2018 and 07.04.2018.
66. **Vijayanandh R.**, Monisha S., Nandhini S., Niranjanadevi D and Nivedha J., "**Secured Image Transmission using MIMO-OFDM Technique**" , 3rd International Conference on Design, Analysis, Manufacturing and Simulation, at Saveetha School of Engineering College, Saveetha University, Chennai, on 06.04.2018 and 07.04.2018.
67. **Sk Hedayath Basha**,Vishnu Vardhan P, Kaladhar G, Nagaraj M., "**Security For Text Message By Using Elliptical Curve Cryptography**", International Conference on Scientific Research And Innovation, at Chennai Institute of Technology ,Kancheepuram District , Tamil Nadu, on 06.04.2018 and 07.04.2018.

**Staff & Student Activity Co-Ordinator**

**S.Sesha Vidhya**  
**ASP/ECE**