

SSN COLLEGE OF ENGINEERING, KALAVAKKAM - 603110

Department of Electronics & Communication Engineering

STUDENT PUBLICATIONS

July 2020 to June 2021

B.E. - ELECTRONICS & COMMUNICATION ENGINEERING

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Sl. No.	CATEGORY	NUMBER OF PUBLICATIONS
1	INTERNATIONAL JOURNALS	12
2	NATIONAL JOURNALS	
3	INTERNATIONAL CONFERENCES	14
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SSN COLLEGE OF ENGINEERING, KALAVAKKAM - 603110

Department of Electronics & Communication Engineering

STUDENT PUBLICATIONS

July 2020 to June 2021

B.E. - ELECTRONICS & COMMUNICATION ENGINEERING

International Journals:

1. Abanah Shirley J, Esther Florence Sundarsingh, Saraswathi V (UG ECE 2014-18), Sankarshwari S (UG ECE 2014-18), Sona S (UG ECE 2014-18), "Fall detection smart-shoe enabled with wireless IoT device", Circuit World, 05 August 2020. <https://doi.org/10.1108/CW-08-2018-0067>. Impact factor : 1.395.
2. Renita J, Edna Elizabeth N, Shantha A (ME VLSI 2017-19), Varsha S (UG ECE 2015-19), "A Comparative Study and Performance Analysis of Elliptic Curve Cryptography", Solid State Technology, Volume: 63 Issue: 6, November 2020, pp.6430-6440, ISSN: 0038111X (Scopus indexed journal), Impact factor: 0.11, H-Index-24
3. R Nithya, N Venkateswaran, Janani Aiyer (UG ECE 2015-19), Swetha K.V (UG ECE 2015-19), "Deep CNN framework for retinal disease diagnosis using optical coherence tomography images", Journal of Ambient Intelligence and Humanized Computing, pp.no. 1868-5137, August, 2020.
4. S. Vinoth Kumar, R. Jayaparvathy, B.N. Priyanka (UG ECE 2014-18), "Efficient path planning of AUVs for container ship oil spill detection in coastal areas", Journal of Ocean Engineering, August, 2020.
5. Abirami Anbalagan (Research Scholar/ECE), Esther Florence Sundarsingh(ASP/ECE), Vimal Samsingh Ramalingam (ASP/Mech), Aadesh Samdaria (UG/ECE-2015-19), David Ben Gurion (UG/ECE-2015-19) & Karthik Balamurugan(UG/ECE-2015-19), "Realization and Analysis of a Novel Low-Profile Embroidered Textile Antenna for Real-time Pulse Monitoring", IETE Journal of Research, July 2020.
6. Devisowjanya P, Tusharika Y(UG/ECE-2016-20) , Alsath MGN, Kirubaveni S, Malathi K, Radha S, Santhosh N, Balaji Bhargav "A Novel Optically Transparent UWB Antenna for Automotive MIMO Communications", IEEE Transactions on Antennas and Propagation, 2020.

7. Akila Murugesan (RS/ECE), Divvyaa Natarajan (UG student 2017-2021) and K. T. Selvan (Professor/ECE), "Low-Cost, Wideband Checkerboard Metasurfaces for Monostatic RCS Reduction," in IEEE Antennas and Wireless Propagation Letters, vol. 20, no. 4, pp. 493-497, April 2021, doi: 10.1109/LAWP.2021.3054863. (Impact Factor: 3.726)
8. Ms. R. Kiruthika, RS/ECE, Dr. S. Radha, Prof/ECE, Dr. S. Kirubaveni, ASP/ECE, Ms. V. Shyamala, RS/ECE, Ms. S. Gayathri, Ms. M. Devipriya, (UG-ECE 2017-2021 Batch), Mr. G. Iyappan, RS/SSNRC published a paper titled "Experimental verification of mixed metal oxide-based sensor for multiple sensing application" in Materials Letters, Elsevier, vol. 301, pp. 1-4, June 2021.(Clarivate Analytics, IF: 3.204).
9. Ms. P. Tejaswini, Ms. I. Sai Deepika, UG- ECE 2017-2021 Batch students, Dr. S. Sakthivel Murugan, ASP/ECE published a paper titled "Development of a Navigation and Position Tracking System for a Remotely Operated Vehicle (ROV)-ORCA" in the Journal of Physics: Conference Series, vol. 1911 (012017), pp. 1-9, June 2021. (Scopus Indexed, 0.464).
10. Mr. Ajay Nair UG- ECE 2015-2019 Batch students , Dr. R. Hemalatha, ASP/ECE, Ms. P. Sangeetha ASP/Civil, Mr. K. Harish Kumar UG- ECE 2015-2019 Batch students, Mr. P.Dinesh Kumar, Mr. Inakota Sai Sahith, Dr. S. Radha, Prof & Head/ECE published a paper titled "Efficient crack detection and quantification in concrete structures using IoT" in Australian Journal of Electrical and Electronics Engineering, vol. 18 (1), pp. 43-57, May 2021. (Scopus Indexed, 0.166)
11. Mr. A. S. Shashank Karrthikeyaa (UG-ECE 2015-2019 batch), Ms. R. Priyadarshini (UG- ECE 2015-2019 batch), Ms. G. Revathi(UG-ECE 2015-2019 batch), Dr. S. Sakthivel Murugan, ASP/ECE published a paper titled "Design and Implementation of Secured Cloud-Based Remote Home Access Through an Application for Smart Infrastructure" in Advances in Intelligent Systems and Computing, vol. 1163, pp. 533-546, August 2020. (Scopus Indexed: 0.429)
12. Ms. S. Nikitha (UG-ECE 2015-2019 batch), Ms. Zohra Noori Mohsina (UG-ECE 2015- 2019 batch), Ms. V. Sneha (UG-ECE 2015- 2019 batch), Dr. S. Sakthivel Murugan, ASP/ECE published a paper titled "Development of Smart Electricity Energy Management System Using IoT" in Advances in Intelligent Systems and Computing, vol. 1163, pp. 547-566, August 2020. (Scopus Indexed: 0.429)

International Conferences:

1. Mr. A. Gowtham(UG Batch 2017-2021), Mr. L. Anirudh(UG Batch 2017-2021), Mr. S. Aditya(UG Batch 2017-2021), Mr. B. A. Aakash (UG Batch 2017-2021), Dr. B. S. Sreeja, ASP/ECE presented a paper titled “Detection of Arrhythmia using ECG waves with Deep Convolutional Neural Networks” in the IEEE 4 th International Conference on Electronics, Communication and Aerospace Technology ICECA 2020 organized by RVS Technical Campus during November 5, 2020.
2. Mr. Anirudh Vijay (UG Batch 2017-2021), Mr. Arjun Krishnan (UG Batch 2017-2021), Mr. M. Balaji (UG Batch 2017-2021), Dr. B. S. Sreeja, ASP/ECE presented a paper titled “Gesture Recognizer and Communicator using Flex Sensors and Accelerometers with Logistic Regression” in the 3 rd International Conference on Intelligent Sustainable Systems (ICISS) held at Palladam during December 3-5, 2020.
3. Mr. Aparajith Srinivasan (UG Batch 2017-2021), Ms. N. Nithya (UG Batch 2017-2021), Mr. K. Raj Vignesh (UG Batch 2017-2021), Ms. E. Ramya (UG Batch 2018 - 2022), Ms. S. Abirami (UG Batch 2017-2021), Mr. M. Sabharish Padmanaaban (UG Batch 2016-2020), UG students, Dr. B. S. Sreeja, ASP/ECE, Dr. S. Radha, Prof & Head/ECE presented a paper titled “Elder Care System using IoT and Machine Learning in AWS Cloud” in IEEE 17th International Conference on Smart Communities: Improving Quality of Life using ICT, IoT and AI (HONET-2020) held at University of North ECE/2020-21/INCP/13 Carolina, Charlotte, USA during December 14- 16, 2020.
4. Bharath Raj (UG ECE 2015-19), and N. Venkateswaran, “Single Image Dehazing using a Generative Adversarial Network”, IEEE Wispnet 2020.
5. Aparajith Srinivasan (UG Batch 2017-2021), Anirudh Srikanth (UG Batch 2017-2021), Hareesh Indrajit (UG Batch 2017-2021) and N.Venkateswaran, “A Novel Approach for Road Accident Detection using DETR Algorithm”, at The International Conference on Intelligent Data Science Technologies and Applications (IDSTA-2020), Valencia, Spain 19th – 22nd Oct, 2020.
6. M.B. Ramprasath (UG Batch 2016-20), V. Raviteja (UG Batch 2016-20), N. Mohana Kumar (UG Batch 2016-20), G. Durga, R. Srinivasan (Prof/IT) presented a paper titled "RADIATION AND THERMAL STUDY ON DEFENSIVE MOSFET" in IEEE-ICEE 2020 5th International Conference on Emerging Electronics, Hosted by- Indian Institute of Technology Delhi, India during 26th -28th November, 2020
7. Sai Deepika I (UG Batch 2017-21), Tejaswini P (UG Batch 2017-21), Dr. S. Sakthivel Murugan, (Faculty/ECE), presented a paper titled “Development of Navigation and Position Tracking System for a Remotely Operated Vehicle(ROV) - ORCA” in the International Conference on Innovation Technology for Sustainable

Development (ICITSD 2021), organized by VIT Chennai and Centre for Cyber Physical Systems during January 27-29, 2021.

8. Mr. Gundepudi V. Surya Sashank, UG-Mech 2018-2022 Batch, Ms. Charu Jain, UG-ECE 2018-2022 Batch, Dr. N. Venkateswaran, Prof/ECE presented a paper titled “Detection of Acute Lymphoblastic Leukemia by Utilizing Deep Transfer Learning” at the International Conference on Machine Vision & Augmented Intelligence (MAI-2021) held during February 11-14, 2021.
9. Dr. C. Annadurai, Dr. I. Nelson, Ms. E.Ramya, Ms. R. Shivani, Ms. V. Mathusathana, students of UG-ECE 2017-2021 Batch presented a paper titled “IoT Based Smart Energy Meter System using Machine Learning” in the 4 th International Conference on Intelligent Computing (IConIC 2K21) organized by Panimalar Engineering College, Chennai on 26.03.2021.
10. Dr. C. Annadurai, Dr. I. Nelson, Mr. X. N.Ranald Nivethen, Mr. M. Senthil Kumar, Mr.Suraj Vinod, students of UG-ECE 2017-2021 Batch presented a paper titled “Implementation of IoT in Workplace Monitoring and Safety Systems” in the 4 th International Conference on Intelligent Computing (IConIC 2K21) organized by Panimalar Engineering College, Chennai on 26.03.2021.
11. Dr. I. Nelson, Dr. C. Annadurai, Mr. Shriraam Venkatasubramani, Mr. I. Yogesh, Mr. S.Shrinivas Badri, students of UG-ECE 2017- 2021 Batch presented a paper titled “Underwater Image Enhancement and Fish Detection” in the 4th International Conference on Intelligent Computing (IConIC 2K21) organized by Panimalar Engineering College, Chennai on 27.03.2021
12. Ms. Charu Jain, Ms. S. Indu, UG-ECE 2018- 2022 Batch students, Mr. G. V. Surya Sashank, UG-Mech 2018-2022 Batch and Dr. N. Venkateswaran, Prof/ECE presented a paper titled, “6G with Quantum Technology and Intelligent Reflecting Surfaces” and published in the proceedings of the International Conference on Power of Digital Technologies in Societal Empowerment, IETE CHENCON 2021 held during June 4-5, 2021.
13. Aparajith Srinivasan (IV Year/ECE), D P Sharavane (IV Year/ECE), M P Shwetha (IV Year/ECE), R Kirthana (IV Year/ECE), Surendran Shanmugam (IV Year/Chemical), S Suryaprakash (IV Year/Chemical) & W Jino Hans (Mentor, ASP/ECE) ‘Arduino based Automated Viscometer for Oil Health Monitoring’ in the proceedings of IEEE 4th International conference on I-SMAC 2020 (IoT in Social, Mobile, Analytics and Cloud) held at SCAD Institute of Technology, Palladam, Tamil Nadu, India on 07th & 09th October,2020 via. Online mode. ECE/2020_21/ICP/24
14. S Suryaprakash (IV Year/Chemical), Surendran Shanmugam (IV Year/Chemical), D P Sharavane (IV Year/ECE), M P Shwetha (IV Year/ECE), Aparajith Srinivasan (IV Year/ECE), & W Jino Hans (Mentor, ASP/ECE) “A novel engine oil classification using physical properties and DWKNN algorithm” in the proceedings of IEEE 2021 international conference on computer communication and informatics ICCCI 2021, at

Sri Sakthi Institute of Engineering and Technology, Tamil Nadu, India on 27th-29th January, 2021 via. Online mode. ECE/2020_21/ICP/25

National Conferences:

1. L. R. Rahul (UG Batch 2016-20), R. Hemalatha (Faculty – ECE), S. Radha (Faculty – ECE), A. Nitish Kumar(UG Student), “DDOS and SQL Injection Attacks and Detection”, 6th National Conference on Information and Communication Technology, NCICT 2020, held at SSNCE, June 12, 2020.
2. Marjerie S (UG Batch 2016-20), Aditi Balgujar (UG Batch 2016-20), Muthukumaran (UG Batch 2016-20) A, R Kishore (Faculty – ECE), “Optimum Vehicle Routing using Vehicular Ad hoc Networks”, In the proceedings of 6th National Conference on Information and Communication Technology(NCICT 2020), pp. 05-10, held at SSNCE, June 12, 2020.
3. Niranjana S (UG Batch 2016-20), Riya Joshiny A C (UG Batch 2016-20), Praylin Shaju P T (UG Batch 2016-20), K. Muthumeenakshi, (Faculty – ECE) and R. Hemalatha, (Faculty – ECE), “Fabric Defect Detection and Classification Using Convolution Neural Networks”, 6th National Conference on Information and Communication Technology, NCICT 2020, held at SSNCE, June 12, 2020.
4. D Navya (UG Batch 2016-20), G Harine (UG Batch 2016-20), S Sreeleka (UG Batch 2016-20), Y Tusharika (UG Batch 2016-20), P Devi Sowjanya (RS/SSN), M. Gulam Nabi Alsath (Faculty/SSN), S Kirubaveni (Faculty/SSN), “A Highly Transparent Tri-band Antenna for Automotive Communications,” Proceedings of the 6th National Conference on Information and Communication Technologies, Jun. 2020.
5. V. Akhilrajan (UG Batch 2016-20), Abhijeet M. Rao (UG Batch 2016-20), G. S. Karthik Narayanan (UG Batch 2016-20), and Vigneswaran Srinivasan(UG Batch 2016-20) K.K. Nagarajan (Faculty – ECE) and V.Vaithianathan, (Faculty – ECE), “Smart Phone and Cloud Assisted Door lock System”, 6th National Conference on Information and Communication Technology, NCICT 2020, held at SSNCE, June 12, 2020
6. V. Aarthi (UG Batch 2016-20), R. Visali (UG Batch 2016-20), K.K.Nagarajan, (UG Batch 2016-20) “IoT based Spying Robot with IR Thermal Camera ”, 6th National Conference on Information and Communication Technology, NCICT 2020, held at SSNCE, June 12, 2020
7. Venkatesh Subramaniyan (UG Student), Vignesh Sivakumar (UG Batch 2016-20),S. Sakthivelan (UG Batch 2016-20), Vagheesan A K(UG Batch 2016-20) K. J. Jegadishkumar, (UG Batch 2016-20) “GANash - A GAN approach to steganography”, 6th National Conference on Information and Communication Technology, NCICT 2020, held at SSNCE, June 12, 2020

8. Anbuselvi M (Faculty – ECE), Deepak K(UG Batch 2016-20), Gowshik Annamalai S(UG Batch 2016-20), Jaya Krishnan S R(UG Batch 2016-20) and Kirubakaran S(UG Batch 2016-20), “Traffic sign detection system”, NCICT-2020, June 2020
9. Anbuselvi M (Faculty – ECE), Saravanan P(Faculty-EEE), Kiruthika S(UG Batch 2016-20), “Design of an area efficient crypto-coding system based on cellular automata technique”, NCICT-2020, June 2020.
10. Sankara Narayanan S (UG Batch 2016-20), Sharath G (UG Batch 2016-20), Sriniketh P (UG Batch 2016-20), Kaythry P (Faculty – ECE), Jegadish Kumar K J (Faculty - ECE). “Design of Implantable Antenna for Biomedical Applications” , 6th National Conference on Information and Communication Technology, NCICT 2020, held at SSNCE, June 12, 2020.

SSN COLLEGE OF ENGINEERING, KALAVAKKAM - 603110

Department of Electronics & Communication Engineering

STUDENT PUBLICATIONS

July 2020 to June 2021

M.E. - APPLIED ELECTRONICS

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Department of Electronics & Communication Engineering

STUDENT PUBLICATIONS

July 2020 to June 2021

M.E. - APPLIED ELECTRONICS

International Journals:

1. Ms. Sukanthi (PG-AE 2018-2020 Batch), Dr. S. Sakthivel Murugan, ASP/ECE, Dr. S. Hanis, ASP/ECE published a paper titled “Binarization of Stone Inscription Images by Modified Bi-level Entropy Thresholding” in Fluctuation and Noise Letters, vol. 20 (6), pp. 1-16, May 2021. (Clarivate Analytics, IF: 1.53)

SSN COLLEGE OF ENGINEERING, KALAVAKKAM - 603110

Department of Electronics & Communication Engineering

STUDENT PUBLICATIONS

July 2020 to June 2021

M.E. - COMMUNICATION SYSTEMS

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Department of Electronics & Communication Engineering

STUDENT PUBLICATIONS

July 2020 to June 2021

M.E. - COMMUNICATION SYSTEMS

International Journals:

1. Mohan Chinnasamy, Esther Florence S, Sankaran Priyadharshini (PG CS 2017-19), Design of a novel compact modified-circular printed antenna for high data rate wireless sensor networks. International Journal of RF and Microwave Computer Aided Eng., Volume30, Issue10, 2020, e22375. Impact factor : 1.52.
2. Blessy Annie Flora. J (PG CS-Student 2018-20), S. Radha, Prof & Head/ECE, R. Hemalatha, ASP/ECE, Aasha Nandhini. S , Research Associate/ECE, “ Plant Disease Detection for Banana using Long Range Wide Area Network”, International Journal of Security and Networks, Dec 2020.
3. Ms. V. Aruna, RS/ECE, Dr. M. Gulam Nabi Alsath, ASP/ECE, Dr. S. Kirubaveni, ASP/ECE, Ms. M. Maheswari, (PG- CS 2017- 2019 Batch), Dr. B. Bhuvaneshwari, Faculty/Panimalar published a paper “Polarization Diversity Enabled Flexible Directional UWB Monopole Antenna for WBAN Communications” in the International Journal of RF and Microwave Computer- Aided Engineering, vol. 30, no. 9, September 2020. (Clarivate Analytics, IF: 1.528)
4. Mr. J. Vikneshwar, (PG-CS 2018-2020 Batch), Dr. K. Muthumeenakshi, ASP/ECE, Dr. S. Radha, Prof & Head/ECE published a paper titled “Classification of Primary Users Using Deep Residual Learning” in Advances in Automation, Signal Processing, Instrumentation, and Control, Lecture Notes in Electrical Engineering 700, pp. 2073-2078, March 2021. (Scopus Indexed, 0.192)

International Conferences:

1. Namrutha Sridhar. B. V., (PG student, ME CS, 2018-20), Mrinalini. K.,(Research scholar, FT) and P. Vijayalakshmi (Prof / ECE), “Data annotation and multi-emotion classification of social-media text”, International conference on Communication and Signal processing, July, 2020, pp. 1011 - 1015.
2. Yamuna I (PG/CS/2020), Abirami A (Research Scholar/ECE), Esther Florence S (ASP/ECE), Vimal Samsingh R (ASP/Mech) ,(2020), “Design and Development of Textile Sensor for Kyphosis detection” in proceedings, 3rd International Conference on Emerging Current Trends in Computing and Expert Technology (COMET), pp.276-280.
3. S. Lakshmi Manibala (PG CS 2018-20) and S. Karthie (Faculty/ECE), “Simulated Performance Study of Dual-Mode Fractal Bandpass Filter on Various Substrates” International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC–2020) organized by St. Martin’s Engineering College, Telangana, June 29, 2020.
4. G Aswanth Kumar (PG CS 2018-20), W Jino Hans (Faculty) presented a paper titled “Novel Dataset Modeling Technique for Lip-Reading” in an International Conference on Smart Modernistic in Electronics and Communication (ICSMEC-2020) held at St. Martin’s Engineering College, Secundrabad, Telungana State, India on 29th & 30th June,2020.
5. Ms. A. Nandhini, (PG-CS 2018-2020 Batch), Dr. N. Edna Elizabeth, Prof/ECE presented a paper titled “Performance analysis of cryptographic algorithm in FPGA” in the International conference on communication and signal processing (ICCSP) organized by Adhi Parasakthi Engineering College during July 28-30, 2020.

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M.E. - VLSI DESIGN

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SSN COLLEGE OF ENGINEERING, KALAVAKKAM - 603110

Department of Electronics & Communication Engineering

STUDENT PUBLICATIONS

July 2020 to June 2021

M.E. - VLSI DESIGN

International Journals:

1. R Archana (PG VLSI 2018-20), BS Sreeja, KK Nagarajan, S Radha, P Balaji Bhargav, C Balaji, G Padmalaya, “Development of Highly Sensitive Ag NPs Decorated Graphene FET Sensor for Detection of Glucose Concentration”, Journal of Inorganic and Organometallic Polymers and Materials (2020) 30:3818–3825
2. Vanitha Veni.C (ME VLSI 2018-20), Jawahar. A, “Design of Quantum Gates for Arithmetic and Logic Circuits”, International Journal of Advanced Science and Technology, Vol. 29, No. 08, (2020), pp. 2190- 2195, 2020.
3. Renita J, Edna Elizabeth N, Shantha A (ME VLSI 2017-19), Varsha S (UG ECE 2015-19), “A Comparative Study and Performance Analysis of Elliptic Curve Cryptography”, Solid State Technology, Volume: 63 Issue: 6, November 2020, pp.6430-6440, ISSN: 0038111X (Scopus indexed journal), Impact factor: 0.11, H-Index-24.

International Conferences:

1. Kiruthika Ramany (RS/SSN), Radha Shankararajan (Faculty/SSN), Kirubaveni Savarimuthu (Faculty/SSN), Shyamala V, “Fabrication and Characterization of ZnO Nanorods for Room Temperature Carbon Monoxide Sensing Application”, 2020 2nd International Conference on Electrical, Control and Instrumentation Engineering (ICECIE), Nov 28, 2020, Kuala Lumpur, Malaysia.
2. Aishika, B (PG-VLSI-2020); Vidhyashree, S (JRF/SSN); Kavitha, N (RS/SSN); M. Gulam Nabi Alsath (Faculty/SSN), S Kirubaveni (Faculty/SSN); Ramprabhu, S (Faculty/SSN); “Electronically Controlled Frequency Reconfigurable Reflectarray Element for X/Ku-Band,” Proceedings of the 6th International Conference on Science, Engineering, Technology and Management, Jeppiaar Engineering College, 15th Jul. 2020. The paper received ‘Best Paper Award’.

3. D. Priya George (PG VLSI 2018-20), K .J. Jegadishkumar (Faculty – ECE), K.K.Nagarajan (Faculty – ECE), “Design and Simulation of a CLASS F CMOS Power Amplifier for High Power Efficiency”, in International Conference on Engineering Management Sciences and Technology, ICRDET’20, Chennai, 26th June 2020.
4. U M Sharmili (PG VLSI 2018-20), G Durga (Faculty/ECE), “Design of 8-bit Vedic multiplier using GDI logic”, Proc. of International Conference on Recent Developments in Engineering Management Science and Technology ICRDET’20, Chennai, held on 26 June 2020.
5. R. Kishore (Faculty/ECE), U. R. Vigneshwari (PG Student/ME VLSI), N. Prabagarane (Faculty/ECE), Kirubaveni Savarimuthu (Faculty/ECE) and S. Radha (Faculty/ECE), "IoT Based Intelligent Control System for Smart Building" 2020 International Conference on Innovation and Intelligence for Informatics, Computing and Technologies (3ICT), Sakheer, Bahrain, 20-21 December 2020, pp. 1-6, doi: 10.1109/3ICT51146.2020.9311944. ECE/2020_21/ICP/21.

National Conferences:

1. Mubeena Parveen (PG VLSI 2018-20), Sakthivel Murugan S (Faculty – ECE), Nelson I (Faculty –ECE), “ Performance analysis of ocean wave based energy harvesting system using Permanent Magnet Linear Generator”, 6th National Conference on Information and Communication Technology, NCICT 2020, held at SSNCE, June 12, 2020, pp. 2-6. (Received Best Paper Award)
2. Sukanthi Kannan (PG VLSI 2018-20), Sakthivel Murugan S (Faculty – ECE), Hanis S (Faculty –ECE), “ Binarization of stone inscription images”, 6th National Conference on Information and Communication Technology, NCICT 2020, held at SSNCE, June 12, 2020., pp. 76-80. (Received Best Paper Award)
3. Raagavi B (PG VLSI 2018-20), Swathi S (Research Scholar), Sakthivel Murugan S (Faculty – ECE), Hanis S “ Metamaterial Enhanced Magnetic Induction based Underground wireless communication”, 6th National Conference on Information and Communication Technology, NCICT 2020, held at SSNCE, June 12, 2020, pp.33-38.

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STUDENT PUBLICATIONS

July 2020 to June 2021

RESEARCH SCHOLARS (FULL-TIME)

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Sl. No.	CATEGORY	NUMBER OF PUBLICATIONS
1	INTERNATIONAL JOURNALS	50
2	NATIONAL JOURNALS	
3	INTERNATIONAL CONFERENCES	10
4	NATIONAL CONFERENCES	2

SSN COLLEGE OF ENGINEERING, KALAVAKKAM - 603110

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STUDENT PUBLICATIONS

July 2020 to June 2021

RESEARCH SCHOLARS (FULL-TIME)

International Journals:

1. Kavitha Narayanasamy (RS/SSN), Gulam Nabi Alsath Mohammed (Faculty/SSN), Kirubaveni Savarimuthu (Faculty/SSN), Ramprabhu Sivasamy (Faculty/SSN), Malathi Kanagasabai (Faculty/CEG), "A Comprehensive Analysis on the State-of-the-Art Developments in Reflectarray, Transmitarray and Transmit-Reflectarray Antennas", International Journal of RF and Microwave Computer-aided Engineering, vol. 30, issue 9, sep 2020, Impact Factor: 1.540
2. Kiruthika Ramany (RS/SSN), Radha Shankararajan (Faculty/SSN), Kirubaveni Savarimuthu (Faculty/SSN), Iyappan Gunasekaran, Govindaraj Rajamanickam, Santhosh Narendhiran, and Ramasamy Perumalsamy, "Experimental Analysis of Transition Metal (Ni-V) Codoped ZnO Nanorods for Piezoelectric Accelerometer Application", IEEE Transactions on Nanotechnology, vol.19, sep 2020, pp. 728-735. Impact factor: 2.350.
3. Kavitha Muthukrishnan, Venkateswaran Narasimhan, "Wide band low RCS metasurface and its application on patch antenna" Progress In Electromagnetics Research ,vol 98, 77-87, Nov 2020. Impact factor :0.71.
4. Shanthapriya. R., Vaithianathan, V. Block-healthnet: security based healthcare system using block-chain technology. Security Journal, Oct 2020. <https://doi.org/10.1057/s41284-020-00265-z> Impact factor: 0.838.
5. A.Elakkiya, S.Radha, B.S.Sreeja, E.Manikandan," Terahertz dual-band/broadband metamaterial absorber enabled by SiO₂: polyimide and PET dielectric substrates with absorption characteristics", Bulletin of Materials Science, vol. 43, issue.1, pp.201, 12 August 2020, IF-1.392.
6. A.Elakkiya, S.Radha, B.S.Sreeja, E.Manikandan, "Terahertz Metamaterial Absorber with Sensing Capabilities", Journal of Optoelectronics and Advanced Materials, vol.22, iss.7-8, 18 August 2020, pp.360-364, IF-0.631.
7. A.Elakkiya, S.Radha, B.S.Sreeja, E.Manikandan," Terahertz Broadband Metamaterial Absorber Enabled by SiO₂, Polyimide and PET Dielectric Substrate", Pramana-Journal of Physics, vol.94, pp.130, 27 August 2020, IF-1.688.

8. A.Elakkiya, S.Radha, B.S.Sreeja, E.Manikandan, "Modified I-shaped Hexa-band near-perfect Terahertz Metamaterial Absorber", *Circuit World*, vol. 46, No. 4, pp. 281-284, 16 July 2020, IF-1.395.
9. A.Elakkiya, S.Radha, B.S.Sreeja, "Seven-band Ultra-thin Terahertz Metamaterial Absorber at 0.3-0.5THz frequency", *Circuit World*, 24 August 2020, IF-1.395, <https://doi.org/10.1108/CW-03-2020-0051>.
10. Abanah Shirley J, Esther Florence Sundarsingh, Saraswathi V (UG ECE 2014-18), Sankarshwari S (UG ECE 2014-18), Sona S (UG ECE 2014-18), "Fall detection smart-shoe enabled with wireless IoT device", *Circuit World*, 05 August 2020. <https://doi.org/10.1108/CW-08-2018-0067>. Impact factor : 1.395.
11. J.Abanah Shirley, S. Esther Florence, B.S.Sreeja, G. Padmalaya, S.Radha, "Zinc oxide nanostructure-based textile pressure sensor for wearable applications", *Journal of Materials Science: Materials in Electronics*, vol. 31, issue. 21, pp.16519-16530, 18 August 2020. Impact factor : 2.220.
12. D. Kanchana, S. Radha, B. S. Sreeja, E. Manikandan, "Polarization Dependent FSS for X and Ku-band FSS structure", *Journal of Optoelectronics and Advanced Materials*, Volume 22, Issue 7-8, PP. 365-370, July- Aug 2020.
13. D. Kanchana, S. Radha, B. S. Sreeja, E. Manikandan, "A Miniaturized Flexible FSS for Dual Band Response", *International Journal of Microwave and wireless technologies*, Volume 12, PP 1-7, Nov 2020, doi:10.1017/S1759078720001506.
14. Mohan Chinnasamy, Esther Florence S, Sankaran Priyadharshini (PG CS 2017-19), Design of a novel compact modified-circular printed antenna for high data rate wireless sensor networks. *International Journal of RF and Microwave Computer-Aided Engineering*, Volume30, Issue10, 2020, e22375. Impact factor : 1.52.
15. Sakthi Abirami B, Esther Florence S & Vimal Samsingh R 2020, 'Mechanically Reconfigurable Frequency Selective Surface for RF Shielding in Indoor Wireless Environment', *IEEE Transactions on Electromagnetic Compatibility*, doi: 10.1109/TEMC.2020.2983899. (Early access; IF-2.274)
16. Firdouse Ali Khan, M, Ganesh Kumar, C, & Premanand Venkatesh, C, 2020, 'Naïve Bayes classifier enabled home energy management scheme for cost-effective end-user comfort', *Journal of Intelligent & Fuzzy Systems*, vol. Pre-press, no. Pre-press, pp. 1-11, ISSN: 1064-1246 (Annexure D). IF – 1.851. [Online Published DOI: 10.3233/JIFS-191862].
17. Ganesh Kumar, C, Firdouse Ali Khan, M, & Premanand Venkatesh, C, 2020, 'Supervised Electricity Tariff Prediction using Random Forest validated through User

Comfort and Constraint for a Home Energy Management Scheme’, Journal of Intelligent & Fuzzy Systems, ISSN: 1064-1246 (Annexure I). IF – 1.851. [Online Published DOI: 10.3233/JIFS200722].

18. S Deepa Nivethika, B S Sreeja, E Manikandan, S Radha , M Senthilpandian, “Dynamic Frequency Analysis Of Stress Strain Dependant Reversibly Deformable Broadband Rf Antenna Over Unevenly Made Elastometric Substrate”, *Pramana – J. Phys.* (2020) 94:122.
19. R. Indhu, S. Radha, E. Manikandan, B. S. Sreeja, “A retrospect on laser micromachining for the fabrication of microfluidic components”, *Journal Of Optoelectronics And Advanced Materials*, Vol. 22, No. 7-8, July – August 2020, p. 400 – 410
20. S. Deepa Nivethika, B. S. Sreeja, S. Radha, M. Senthilpandian, “Polymer resin coating over dielectric elastomer for effective stretchable RF devices”, *Journal Of Optoelectronics And Advanced Materials* Vol. 22, No. 3-4, July 2020, p. 176 – 181
21. Indhu, R.; Radha, S.; Manikandan, E.; Sreeja, B. S.; Bathe, R. N, “Development and Characterization of Laser Ablated Polymeric Microchannels”, *Lasers in Engineering* 2020, Vol. 47 Issue 1-3, p125-132. 8p.
22. Renita J, Edna Elizabeth N, Shantha A, Varsha S, “A Comparative Study and Performance Analysis of Elliptic Curve Cryptography”, *Solid State Technology*, Volume: 63 Issue: 6, November 2020, pp.6430-6440, ISSN: 0038111X (Scopus indexed journal), Impact factor: 0.11, H-Index-24
23. M.Dhanalakshmi (Research Scholar), S.Sakthivel Murugan (Faculty - ECE), ‘Keypoint - based Mapping analysis on transformed side scan sonar images’ *Multimedia tools and Applications*, Springer, July 17,2020 (online), pp.1-31, Thomson Reuters indexed (IF: 2.60), Unpaid Abroad, DOI: 10.1007/s11042-020-09247-0.
24. Sumana, L,(Research Scholar/ECE) Florence, S.Esther (ASP/ECE). Pattern Reconfigurable Microstrip Patch Antenna Based on Shape Memory Alloys for Automobile Applications. *Journal of Electronic Material* 49, pp.6598–6610, <https://doi.org/10.1007/s11664-020-08424-z>, September 02, 2020,Thomson Reuters, Unpaid, Abroad
25. R Pavithra Guru (Research Scholar/ECE) and V Vaithianathan (Faculty/SSN), "An efficient VLSI circuit partitioning algorithm based on satin bowerbird optimization (SBO)", *Journal of Computational Electronics*, Volume-19, Issue-3, pp: 1232-1248, 2020. (Thomson Reuters Indexed).

26. Radha Shankararajan (Faculty/SSN), Kirubaveni Savarimuthu (Faculty/SSN), Sudha Murugesan, Kiruthika Ramany(Research Scholar/ECE), Govindaraj Rajamanickam, and Santhosh Narendhiran. "Experimental analysis of UV-activated ethanol sensor based on the formation of organic/inorganic heterojunction", *Circuit World* ,2020.(IF: 1.395, Thomson Reuters Indexed).
27. Sakthi Abirami B (Research Scholar), Esther Florence S (ASP/ECE) & Vimal Samsingh R (ASP/Mech), " On-body RF Sensor towards Tremor Detection in Parkinson's Disease" *IEEE/ASME Transactions on Mechatronics*, 2020.
28. Devisowjanya P, Tusharika Y, Alsath MGN, Kirubaveni S, Malathi K, Radha S, Santhosh N, Balaji Bhargav "A Novel Optically Transparent UWB Antenna for Automotive MIMO Communications", *IEEE Transactions on Antennas and Propagation*, 2020.
29. Abirami Anbalagan (Research Scholar/ECE), Esther Florence Sundarsingh(ASP/ECE), Vimal Samsingh Ramalingam (ASP/Mech), Aadesh Samdaria (UG/ECE-2015-19), David Ben Gurion (UG/ECE-2015-19) & Karthik Balamurugan(UG/ECE-2015-19), " Realization and Analysis of a Novel Low-Profile Embroidered Textile Antenna for Real-time Pulse Monitoring", *IETE Journal of Research*, July 2020.
30. Kavitha Narayanasamy (Research Scholar/ECE), Gulam Nabi Alsath Mohammed (ASP/ECE), Kirubaveni Savarimuthu (ASP/ECE), Ramprabhu Sivasamy (ASP/ECE), Malathi Kanagasabai, M (Prof/AU/ECE), "A novel Ku/K band reflectarray antenna with reduced phase slope and phase sensitivity", *International Journal of RF and Microwave Computer-aided Engineering*, 2021;e22699.
31. Akila Murugesan (RS/ECE), Divvyaa Natarajan (UG student 2017-2021) and K. T. Selvan (Professor/ECE), "Low-Cost, Wideband Checkerboard Metasurfaces for Monostatic RCS Reduction," in *IEEE Antennas and Wireless Propagation Letters*, vol. 20, no. 4, pp. 493-497, April 2021, doi: 10.1109/LAWP.2021.3054863. (Impact Factor: 3.726)
32. G.Annalakshmi (RS/ECE), S.Sakthivel Murugan(Faculty/ECE), "Local Neighbourhood Edge Responsive Image Descriptor for Texture Classification using Gaussian Mutated JAYA Optimization Algorithm", *Arabian Journal for Science and Engineering*, ISSN: 2193-567X (Annexure I). IF – 1.711, [Online Published DOI: <https://doi.org/10.1007/s13369-021-05417-w>]
33. Sayi Soundariya Sampath (RS/SSN) and Ramprabhu Sivasamy (Faculty/SSN), "Design and fabrication of miniaturized tri-band frequency selective surface with polarization-independent and angularly stable response",

Frequenz, April 20, 2021, ISSN: 2191-6349, (Annexure II). IF – 0.543, <https://doi.org/10.1515/freq-2021-0009>.

34. Swathi Sugumar (RS/ECE) and Sakthivel Murugan Santhanam (Faculty/ECE), "Design of Filamentary Planar Spiral Coils with Enhanced Channel Model for Magnetic Induction based Underground Communication", Transactions on Emerging Telecommunications Technologies, May 2021, <https://doi.org/10.1002/ett.4282>. (Annexure I; IF – 1.594).
35. Swathi Sugumar (RS/ECE) and Sakthivel Murugan Santhanam (Faculty/ECE), " PCB Planar and Filamentary Planar Spiral Coils based Underground Magnetic Induction Communication with Enhanced Channel Model", Wireless Personal Communications, May 2021, <https://doi.org/10.1007/s11277-021-08508-x>. (Annexure I; IF – 1.061)
36. Ms. M. Kavitha, RS/ECE, Dr. N.Venkateswaran, Prof/ECE published a paper titled "Multiband Terahertz Metamaterial Absorber Based on Multipolar Plasmonic Resonances" in Plasmonics, pp. 1-9, January 2021 (Published online), (Clarivate Analytics, IF: 2.335) DOI: 10.1007/s11468-020-01322-4.
37. Ms. V. Angeline Beulah, RS/ECE, Dr. N. Venkateswaran, Prof/ECE published a paper titled "Subspace Leakage Reduced Non- Uniform Sparse Fibonacci-like Planar Array to estimate azimuth and elevation angles of both AoA and AoD" in Transactions on Emerging Telecommunications Technologies, Wiley, vol. 32 (2), pp. 1-24, February 2021.(Clarivate Analytics, IF: 1.594)
38. Mr. G. Nithyanandham, RS/ECE, Dr. K. J.Jegadishkumar, ASP/ECE, Dr. M. Gulam Nabi Alsath, ASP/ECE published a paper titled "Compact coplanar waveguide fed implantable antenna with hybrid split ring resonators" in the International Journal of RF and Microwave Computer Aided Engineering, e22625, pp. 1-11, March 2021 (Published Online). DOI: 10.1002/mmce.22625 (Clarivate Analytics, IF: 1.538)
39. Ms. N. Ambika, RS/ECE, Dr. K.Muthumeenakshi, ASP/ECE, Dr. S. Radha, Prof &Head/ECE published a paper title "Classification of Primary User Occupancy Using Deep Learning Technique in Cognitive Radio" in Advances in Automation, Signal Processing, Instrumentation and Control, Lecture Notes in Electrical Engineering 700, pp. 1795-1804, March 2021. (Scopus Indexed,0.192)
40. Ms. R. Kiruthika, RS/ECE, Dr. S. Radha, Prof/ECE, Dr. S. Kirubaveni, ASP/ECE, Ms. V. Shyamala, RS/ECE, Ms. S. Gayathri, Ms. M. Devipriya, (UG-ECE 2017-2021 Batch), Mr. G. Iyappan, RS/SSNRC published a paper titled "Experimental verification of mixed metal oxide-based sensor for multiple sensing application" in Materials Letters, Elsevier, vol. 301, pp. 1-4, June 2021.(Clarivate Analytics, IF: 3.204)

41. Ms. S. Mary Cecilia, RS/ECE, Dr. S. Sakthivel Murugan, ASP/ECE published a paper titled "Edge Aware Turbidity Restoration of Single Shallow Coastal Water Image" in the Journal of Physics: Conference Series, vol. 1911 (012017), pp. 1-8, June 2021. (Scopus Indexed, 0.464).
42. Mr. M. VimalRaj, RS/ECE, Dr. S. Sakthivel Murugan, ASP/ECE published a paper titled "Motion Deblurring Analysis for Underwater Image Restoration" in the Journal of Physics: Conference Series, vol. 1911 (012028), pp. 1-10, June 2021. (Scopus Indexed, 0.464).
43. Dr. S. Radha, Prof & Head/ECE, Dr. S. Kirubaveni, ASP/ECE, Ms. M. Sudha, Ms. R. Kiruthika, RS/ECE, Dr. R. Govindaraj, SSNRC, Mr. Santhosh Narendhiran, RS/SSNRC published a paper titled "Experimental Analysis of UV Activated Ethanol Sensor Based on the Formation of Organic/Inorganic Heterojunction" in Circuit world, vol. 47, pp. 1-5, June 2021. DOI: <https://doi.org/10.1108/CW-05-2020-0082> (Clarivate Analytics, IF: 1.395).
44. Mr. K. A. Karthigeyan, RS/ECE, Dr. S. Radha, Prof & Head/ECE published a paper titled "Single event transient study on PMOS- NMOS cross-coupled LC-VCO using PLL" in International Journal of Electronics, pp. 1-17, July 2020 (Published Online). DOI: <https://doi.org/10.1080/00207217.2020.1793419> (IF: 1.004)
45. Ms. J. Saranya, PT-RS/ECE, Dr. B. S. Sreeja, ASP/ECE, Ms. G. Padmalaya, RS/ECE, Dr. S.Radha, Prof & Head/ECE, Dr. T. Manikandan, Prof/REC published a paper titled "Ultrasonic Assisted Cerium Oxide/Graphene Oxide Hybrid: Preparation, Anti-proliferative, Apoptotic Induction and G2/M Cell Cycle Arrest in HeLa Cell Lines" in Journal of Inorganic and Organometallic Polymers and Materials, vol. 30 (7), pp.2666–2676, July 2020. (Clarivate Analytics, IF: 1.941)
46. Ms. J. Saranya, PT-RS/ECE, Dr. B. S. Sreeja, ASP/ECE, Ms. G. Padmalaya, RS/ECE, Dr. S.Radha, Prof & Head/ECE, Dr. P. Senthil Kumar, ASP/Chemical published a paper titled "CdO nanoparticles, c-MWCNT nanoparticles and CdO nanoparticles/c-MWCNT nanocomposite fibres: in vitro assessment of anti-proliferative and apoptotic studies in HeLa cancer cell line" in IET Nanobiotechnology, vol. 14 (8), pp. 695-700, October 2020. (Clarivate Analytics, IF: 1.925)
47. Mr. K. A. Karthigeyan, RS/ECE, Dr. S. Radha, Prof & Head/ECE, Dr. E. Manikandan, AP/Crescent published a paper titled "Performance analysis of Terahertz planar antenna on Low-K polymer substrates" in the Journal of Optoelectronics and Advanced Materials, vol. 22, no. 5-6, p. 244 - 250, May- June 2020. (Clarivate Analytics, IF: 0.631)
48. Ms. P. Devisowjanya, RS/ECE, Dr. M. Gulam Nabi Alsath, ASP/ECE, Dr. S. Kirubaveni, ASP/ECE, Mr. N. Santhosh, RS/SSNRC, Dr.R. Govindaraj, SSNRC published a paper titled "An ultra-wideband rectenna using optically transparent Vivaldi antenna for radio frequency energy harvesting" in the International Journal of

RF and Microwave Computer Aided Engineering, vol. 30 (10), pp. 1-12, October 2020. (Clarivate Analytics, IF: 1.528)

49. Ms. R. Jansi, RS/ECE, Dr. R. Amutha, Prof/ECE published a paper titled "Hierarchical evolutionary classification framework for human action recognition using sparse dictionary optimization" in Swarm and Evolutionary Computation, vol. 63, pp. 1-11, March 2021 (Published Online). DOI: <https://doi.org/10.1016/j.swevo.2021.100873> (Clarivate Analytics, IF: 6.912).
50. Ms. L. Sathiyapriya, RS/ECE, Dr. A. Jawahar, Prof/ECE published a paper titled "A data fault detection algorithm for wireless sensor networks" in the journal Tierärztliche Praxis, vol. 40, pp. 1901-1915, November 2020. (Scopus Indexed, 0.415)

International Conferences:

1. Kiruthika Ramany (RS/SSN), Radha Shankararajan (Faculty/SSN), Kirubaveni Savarimuthu (Faculty/SSN), shyamala V, "Fabrication and Characterization of ZnO Nanorods for Room Temperature Carbon Monoxide Sensing Application", 2020 2nd International Conference on Electrical, Control and Instrumentation Engineering (ICECIE), Nov 28, 2020, Kuala Lumpur, Malaysia.
2. Ms. S. Mary Cecilia, RS/ECE & Dr. S. Sakthivel Murugan, ASP/ECE presented the paper titled "Edge Aware Turbidity Restoration of Single Shallow Coastal Water Image" in the International Conference on Innovation Technology for sustainable Development - ICITSD 2021 organized by VIT Chennai Campus and Center for Cyber Physical System during January 27-29, 2021. (Best paper Award).
3. Mr. M. Vimal Raj, RS/ECE & Dr. S. Sakthivel Murugan, ASP/ECE presented the paper titled "Motion deblurring analysis for underwater image restoration" in the International Conference on Innovation Technology for sustainable Development - ICITSD 2021 organized by VIT Chennai Campus and Center for Cyber Physical System during January 27-29, 2021.
4. Namrutha Sridhar. B. V., (PG student, ME CS, 2018-20), Mrinalini. K., (Research scholar, FT) and P. Vijayalakshmi (Prof / ECE), "Data annotation and multi-emotion classification of social-media text", International conference on Communication and Signal processing, July, 2020, pp. 1011 - 1015.
5. S. Mary Cecilia (FT - Research Scholar), S. Sakthivel Murugan (Faculty- ECE), N. Padmapriya (Faculty-Mathematics), "Restoration of Single Shallow Coastal Water Images" in "28th International Conference (Virtual) of Forum for Interdisciplinary Mathematics (FIM 2020) - Synergies in Computational, Mathematical Statistical and Physical Sciences" organized by Forum for Interdisciplinary Mathematics, Stella Maris College and Sri Sivasubramaniya Nadar College of Engineering, November 23-27 2020, pp 290.

6. Aishika, B (PG-VLSI-2020); Vidhyashree, S (JRF/SSN); Kavitha, N (RS/SSN); M. Gulam Nabi Alsath (Faculty/SSN), S Kirubaveni (Faculty/SSN); Ramprabhu, S (Faculty/SSN); "Electronically Controlled Frequency Reconfigurable Reflectarray Element for X/Ku-Band," Proceedings of the 6th International Conference on Science, Engineering, Technology and and Management, Jeppiaar Engineering College, 15th Jul. 2020. The paper received 'Best Paper Award'
7. Yamuna I (PG/CS/2020), Abirami A (Research Scholar/ECE), Esther Florence S (ASP/ECE), Vimal Samsingh R (ASP/Mech) ,(2020), "Design and Development of Textile Sensor for Kyphosis detection" in proceedings, 3rd International Conference on Emerging Current Trends in Computing and Expert Technology (COMET), pp.276-280.
8. R Pavithra Guru (Research Scholar/ECE) and V Vaithianathan (Faculty/SSN), "Ant Colony Optimization Based Partition Model for VLSI Physical Design," 2020 International Conference on Computer Communication and Informatics (ICCCI), Coimbatore, India, 2020, pp. 1-5.
9. Ms. K. Ashwini, RS/ECE, Dr. R. Amutha, Prof/ECE, Mr. S. Aswin Raj presented a paper titled "Skeletal Data based Activity Recognition System" in the International Conference on Communication and Signal Processing organized by Adhi Parasakthi Engineering College during July 28-30, 2020.
10. Ms. K. Ashwini, RS/ECE, Dr. R. Amutha, Prof/ECE, Dr. R. Rajavel, Ms. D. Anusha presented a paper titled "Classification of Daily Human Activities Using Wearable Inertial Sensor" in the International Conference on Wireless Communication, Signal Processing and Networking, organized by Sri Sivasubramaniya Nadar College of Engineering during August 4-6, 2020.

National Conferences:

1. Raagavi B (PG VLSI 2018-20), Swathi S (Research Scholar), Sakthivel Murugan S (Faculty – ECE), Hanis S " Metamaterial Enhanced Magnetic Induction based Underground wireless communication", 6th National Conference on Information and Communication Technology, NCICT 2020, held at SSNCE, June 12, 2020, pp.33-38.
2. D Navya (UG Batch 2016-20), G Harine (UG Batch 2016-20), S Sreeleka (UG Batch 2016-20), Y Tusharika (UG Batch 2016-20), P Devi Sowjanya (RS/SSN), M. Gulam Nabi Alsath (Faculty/SSN), S Kirubaveni (Faculty/SSN), "A Highly Transparent Tri-band Antenna for Automotive Communications," Proceedings of the 6th National Conference on Information and Communication Technologies, Jun. 2020.