

**Department of Electronics and Communication Engineering**  
**Journal Publications**

S.No.	Name of the Faculty	Title of Paper published	Name of the Journal	Volume, Pages & Year
1.	<b>B. Sargunam</b> , R. Miruthu Bashini, K. Thaijalnayaki, S. Priyadharshini, A. Swethapushpa,	Wireless Patient Monitoring System with Electronic Notice Board	International Journal for Trends in Engineering & Technology  ISSN:2349-9303 Impact Factor:0.765	Vol. 14, Issue 1, pp. 95-98, 2017
2.	<b>D. Veera Vanitha</b> , S. Nivitha, R. Pritha, J. Saraanya, T. Shobika	Automatic Drip Irrigation System using Raspberry PI and Wireless Sensor Networks	International Journal of Innovative Research in Science, Engineering and Technology  ISSN: 2319-8753	Vol. 6, Issue 3, pp. 5088-5092, 2017
3.	<b>D. Veera Vanitha</b> , K. Keerthana, S. Maithili, M. Priyanka, K. Sindhu, R. Suganya	Template Matching Based on Optical Character Recognition Aided to Visually Challenged People	International Journal of Innovative Research in Science, Engineering and Technology  ISSN:2319-8753	Vol. 6, Issue 3, pp. 5065-5091, 2017
4.	<b>P. Vigneswari</b> , S. Sivakumari	Study on Forward Error Correction Codes for Optical Network	International Journal for Research in Electronics and Computer Engineering  ISSN: 2319-8753 Impact Factor: 0.543	Vol. 5, pp.130-134, 2017
5.	<b>S. Anitha</b>	Indian Currency Denomination Recognition System By KNN Classifier	International Journal for Trends in Engineering and Technology  ISSN:2349-9303 Impact Factor: 0.765	Vol. 14, Issue 1, 2017
6.	G. P. Darshan, B. S. Rohini, H Nagabhushana, R B Basavaraj, S C Sharma, <b>R. Sudarmani</b>	Fabricated Ceo2 Nano powder as A Novel Sensing Platform for Advanced Forensic, Electrochemical and Polycatalytic Applications	Journal of Applied Nanoscience Springer  ISSN: 2190-5517 Impact Factor: 3.325 SCOPUS Indexed	Vol. 7, pp. 815-833, 2017
7.	M. Venkataravanappa, H. Nagabhushana, Darshan Prabhu Kumar, S.C. Sharma, <b>Archana K.V</b> , Basavaraj Birajdar, Daruka Prasad B	Facile Ultrasound Route for the Fabrication of Green Emitting Ba2SiO4: Eu2+nanophosphors for Display and Domestic Applications	Material Research Bulletin /Elsevier  ISSN: 0025-5408 Impact Factor: 2.446 SCOPUS Indexed	Vol. 97, pp.281-292, 2018

8.	R. B. Basavaraj, H. Nagabhushana, Darshan Prabhu Kumar, B Daruka Prasad,M Rahul, S C. Sharma, <b>R. Sudarmani,</b> <b>K. V. Archana</b>	Red and Green Emitting Cdsio3:Tb3+/Eu3+ Nano powders as Fluorescent Labelling Agents Useful for Forensic and Display Applications	Journal of Dyes and Pigments/ Elsevier  ISSN: 0143-7208 Impact Factor: 3.473 SCOPUS Indexed	Vol. 147, pp. 364-377, 2017
9.	<b>K.V. Archana</b> Dr.R.Vanithamani	Review on Intravascular Ultrasound (IVUS) Image Detection	International Journal of Advanced Research in Science, Engineering, Engineering and Technology  ISSN: 2350-0328	Vol. 4, Issue 7, 2017
10.	<b>D. Veera Vanitha,</b> D. Sumitha	Performance Evaluation of Priority Based OBS networks with Negative Bursts	Journal of Applied Mathematics and Information Sciences, Natural Sciences Publishing Corporation  ISSN: 2325-0399 Impact Factor: 1.232 SCOPUS INDEX	Vol.11, Issue 6, pp. 1649- 1654, 2017
11.	<b>P.G.Padma Gowri</b>	On-Line Monitoring and Protection of Alternator in ETPS	International Journal of Advanced Research in Science, Engineering and Technology  ISSN: 2350-0358	Vol. 4, Issue 11, 2017
12.	<b>P.G.Padma Gowri</b>	Optimizing Bit Error Rate and Power Consumption Through Systematic Approach for OFDM Systems	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering  ISSN: 2321-2004	Vol. 5, Issue 11, 2017
13.	<b>P.G.Padma Gowri</b>	Energy Conservation Techniques in a Foundry	International Journal of Modern Trends in Engineering and Science ISSN: 2348- 3121	Vol. 4, Issue 11, 2017
14.	Deepthi V, Karthika K, Kowsika R, Siva Keerthana, <b>Dr. R. Sudarmani</b>	Study of Gully Pot Monitoring System for Urban Areas	International Journal of Current Engineering and Technology  ISSN: 2347-5161	Vol.8, No.1, pp. 128-131, 2018
15.	<b>K.R.Priyanga,</b> <b>P.Manju Parkavi</b>	Security System & Smart Automation using IOT	International Journal of Advanced Research in Electronics & Communication Engineering,  ISSN: 2278-909X	Vol.7, Issue.11,pp. 760-763. 2018
16.	<b>K.R.Priyanga,</b>	Traffic Control and Vehicle	International Journal of	Vol.5,

	Dhanushree.V, Pavithra.M, Santhiya.K	Tracking Using RFID	Electronics and Communication Engineering ISSN:2348-8549	Issue.12, pp. 6-9, 2018
17.	<b>P.G.Padma Gowri</b>	Smart Power Monitoring System Using IoT	International Advanced computing and communication systems (IEEE) Journals, Sri Eshwar college of Engineering, (IEEE), Coimbatore  ISSN: 978-93-5351-492	Vol.1,Issue.1 pp. 89 2019
18.	<b>Dr. B. Sargunam,</b> S. Anusha	Real Time Tracking System using Bluetooth	Journal of Applied Science and Computations  ISSN:1076-5131	Vol.6, Issue.5, pp. 3847- 3850, 2019
19.	<b>Dr. R. Sudarmani,</b> <b>R. Chitra,</b> <b>G. Mahalakshmi</b> <b>Malini</b>	Energy Efficient Data Aggregation in Automatic Irrigation System: Heterogeneous Sensor Networks With Mobile Sink	Journal of Applied Science and Computations,  ISSN: 1076-5131	Vol.6, Issue.5, pp. 3860- 3866, 2019
20.	<b>R. Chitra,</b> <b>Dr. R. Sudarmani,</b> <b>G. Mahalakshmi</b> <b>Malini</b>	A Comprehensive Survey: Survivability Techniques in WDM Optical Networks	Journal of Applied Science and Computations  ISSN: 1076-5131	Vol.6, Issue.5, pp. 3855- 3859, 2019
21.	<b>Dr. D.Veera Vanitha</b>	Impact of Server Failure In OBS Networks	Journal of Applied Science and Computations  ISSN: 1076-5131	Vol.6, Issue.5, pp. 3840- 3842, 2019
22.	<b>P.Vigneswari</b>	A New Approach for Improving Coding Performance in High Speed Optical Networks	Journal of Applied Science and Computations,  ISSN: 1076-5131	Vol.6, Issue.5, pp. 3653- 3658, 2019
23.	<b>G. Mahalakshmi</b> <b>Malini,</b> <b>Dr. R. Sudarmani,</b> <b>R. Chitra</b>	A Novel Canny Distributed Edge Detection Algorithm using VHDL	Journal of Applied Science and Computations  ISSN: 1076-5131	Vol.6, Issue.5, pp. 3695- 3699, 2019
24.	<b>G.Mahalakshmi</b> <b>Malini,</b> M.Divya, R.Nagashruthi R.Ragavi	Automatic Car Parking Space Detection using Image Processing	Journal of Applied Science and Computations  ISSN: 1076-5131	Vol.6, Issue.5, pp. 3695-3699, 2019
25.	<b>K.V.Archana,</b> Indhu.S, Kanniya Vikashini.B, Vaishnavi.M	Detection of Leukemia in Human Blood Sample using Microscopic Images	Journal of Applied Science and Computations  ISSN:1076-5131	Vol.6, Issue.5, pp. 3690-3694, 2019
26.	<b>Dr. D.Veera Vanitha,</b> M. Divya Poornima, A. Uma Maheshwari R.Yazhini	Survey on Microcontroller Based Automatic Source Changeover Between Solar and Main System	Journal of Applied Science and Computations  ISSN:1076-5131	Vol.6, Issue.5, pp. 3711-3714, 2019



27.	<b>Dr. R. Sudarmani,</b> A.Akalya, A.Akshaya T. Madhura	WSN SCADA-DCS Implementation for Industrial Automation using LabVIEW Through ZigBee	Journal of Applied Science and Computations ISSN:1076-5131	Vol.6, Issue.5, pp. 3741-3745, 2019
28.	<b>Dr. R.Sudarmani,</b> S.S.Pooja Sri, N.S.Preethi and R.Priyadharshini	Development of Smart Shoes for Visually Impaired People Using IOT	Journal of Applied Science and Computations, ISSN:1076-5131	Vol.6, Issue.5, pp. 3751-3754, 2019
29.	<b>R.Chitra,</b> J.Harismita, A.Kamatchi R.Roopkala	An Intelligent Live Streaming Rescue System For Women Using Raspberry Pi	Journal of Applied Science and Computations ISSN: 1076-5131	Vol.6, Issue.5, pp. 3760-3762, 2019
30.	<b>G.Mahalakshmi Malini,</b> P.Anusha Jerin, S.Kiruthika and S.Suhita	Indoor Person Tracking System using Bluetooth	Journal of Applied Science and Computations ISSN:1076-5131	Vol.6, Issue.5, pp. 3877-3879, 2019
31.	<b>Dr.B.Sargunam ,</b> S. Gousalya, K. Jayasurya, M. Kiruthika	Voice Based Notice Board using Android Application	Journal of Applied Science and Computations ISSN: 1076-5131	Vol.6, Issue.5, pp. 3769- 3772, 2019
32.	<b>Ms.R.Chitra,</b> N.Keerthiga, M.Dhivya Bharathi, M.Sukanya Ravindran	Fire extinguishing Robotic vehicle using IOT	Journal of Applied Science and Computations ISSN: 1076-5131	Vol.6, Issue.5, pp. 3785- 3788, 2019
33.	<b>P.Manju Parkavi,</b> Geethamani.T, Glarindha.J, Sterly Jaisha.J	Smart Wireless Mobile Phone Usage Detection System	Journal of Applied Science and Computations ISSN: 1076-5131	Vol.6, Issue.5, pp. 3851- 3854, 2019
34.	<b>K.R.Priyanga,</b> Dhanushree.V, Pavithra.M, Santhiya.K,	Traffic Control And Vehicle Tracking Using RFID	Journal of Applied Science and Computations ISSN: 1076-5131	Vol.6, Issue.5, pp. 3705- 3710, 2019
35.	<b>Dr. D. Veera Vanitha</b>	Analysis of OBS Networks with Impatient Bursts and Server Breakdown	International Journal of Engineering, Applied and Management Sciences Paradigms ISSN: 2320 -6608 Impact Factor:2.5	Vol.54, Issue.3, pp. 226-223, 2019
36.	<b>R. Chitra</b>	Minimal Path- Cost based Survivability Model for Ip- Over WDM Networks using ACO-MST Methods	Journal of Electrical Engineering ISSN:1582-4594	Vol.15, Issue.2, pp. 102- 111, 2019
37.	<b>P.G.Padma Gowri</b>	Smart Power Monitoring System Using IoT	International Journal of Advanced Computing and Communication systems ISSN: 978-93-5351-492	Vol.1 Issue.1, pp. 89, 2019

38.	<b>Dr. B. Sargunam</b> S. Anusha	IoT based mobile medical application for smart insulin regulation	2019 IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT) <b>SCOPUS</b> 10.1109/ICECCT.2019.8869227	Vol. 8, pp. 69200-69211 2019
39.	Prasanna R <b>Dr.K. Annaram</b>	Application trends Of UWB Technology in diversified areas	Journal of Critical Reviews <b>SCOPUS</b>  ISSN:2394- 5125 DOI: 10.3838/jcr.07.7.45	Vol 7, No17, pp.318 -323, 2020
40.	Amirtha. B, Rithanya. R, Shofika. S. S, Suvetha.R <b>Mrs. P. G. Padma Gowri</b>	On Road Automatic E-Vehicle Wireless Charging System Using Solar Energy	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering  ISSN: 2321- 5526	Vol8, Issue 4, pp. 70-77 2020
41.	Ashini, Kruthiga.R, Tharani.A.M, <b>Mrs. P.G. Padma Gowri</b>	Implementation of renewable energy systems using domestic hydro power plants	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering  ISSN: 2321- 2004 online	Vol 8, Issue 4, pp. 54-62 2020
42.	Divyadharshini.R, Jamunamala.S. S, Keerthana.S, Logadharshini.D <b>Mrs. P.G. Padma Gowri</b>	Smart power System with integration of biomass, wind and solar power sources	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering  ISSN: 2321- 2004 online	Vol 8, Issue 4, pp. 78 - 86 2020
43.	Mrs.N. Kirthika <b>Dr.B. Sargunam</b>	Detecting Multi-Class Artefact`s in Endoscopic images using YOLOv3	International Journal of Recent Technology and Engineering  ISSN: 2277 - 3878	Vol. 9, Issue1, pp.2578-2583, 2020
44.	<b>Dr.R. Sudarmani</b> PoornaShree.T, Rohini.C.M, Yogapriya.M	Surveillance of Hazardous Gases in Sewage Plant using Intelligent Electronic Nose and IoT	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering  ISSN: 2321- 2004 online	Vol. 8, Issue 5, pp.68-71, 2020
45.	Amrithha.D Apsara.G Ramya.R <b>Mrs. R. Chitra</b>	Spy Robot Surveillance System Using IoT	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	Vol. 8, Issue 6 pp.128-133, 2020

			ISSN: 2321- 2004 online	
46.	S. Chandhini, K.Bharathi Nandha, M. Pooja Dharshini <b>Dr.D.Veera Vanitha,</b>	Automatic Speed Breaker Flattening System for Ambulance	International Journal of Engineering Research and Management  ISSN: 2349- 2058	Vol.07, Issue 05, pp. 58-60, 2020
47.	Madhumitha V SakthiSuramanjari U SowmiyaS.L. <b>Mrs. P. Vigneswari</b>	Student Tracker Using Android Application	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering  ISSN: 2321- 2004 online	Vol. 8, Issue 5, pp. 85-90, 2020
48.	Elakkiya.E Shruthi.T <b>Mrs.Mahalakshmi Malini.G</b>	IoT based Home Automation System Using Voice Recognition	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering ISSN: 2321- 2004 online	Vol. 8, Issue 6, pp.174-180, 2020
49.	Raveenadevi. V Indhumathy.K Mounika.M <b>Ms.K.R. Priyanga</b>	Vehicle Accident Detection and Driver Surveillance	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering E-ISSN: 2278 –8875	Vol. 9, Issue 6, pp.1438-1442, 2020
50.	Meenakshi Subramanian, Akalya.A, Deshika.P <b>Dr.B Sargunam</b>	Fifth Gen Control for Industrial Wet Grinders	International Journal of Engineering Research & Technology  ISSN: 2278 - 0181	Vol. 9 Issue 08, pp. 585-589, 2020
51.	Mrs.M. Aghalya	Poem on Nature	Tumbe International e- Magazine, powered by Magazine and Journal Committee, Government First Grade College (GFGC), Tumkur, Karnataka  ISSN: 2581-7728	Vol.03, Issue 01, pp.33-33, 2020
52.	Harishmitha R, Keerthana J, Savitha K, <b>Mrs. Archana K V</b>	Automated Self Navigated Garbage Bin	GIS Science Journal ISSN: 1869-9391	Vol 7, Issue 11, pp. 451 – 455, 2020
53.	Suvetha V Tharangini P	Brain Tumor Detection Using Multi - Atlas	GIS Science Journal	Vol 7, Issue 11,



	Yazhini J <b>Mrs.K.V. Archana</b>	Segmentation Technique	ISSN: 1869-9391	pp.199 – 208, 2020
54.	Y. P. Makimaa, <b>Dr. R. Sudarmani</b>	Survey on Energy Optimization Techniques for Clustering and Routing in Applications of Wireless Sensor Networks	Solid State Technology  ISSN: 0038- 111X (online)	Vol.63, Issue:6, pp. 21453- 21462, 2020
55.	Subashini.M.J, Gobika.S, Varshini.R <b>Dr. R. Sudarmani</b>	Development of Smart Flood Monitoring and Early Warning System using Weather Forecasting Data and Wireless Sensor Networks-A Review	IEEE 3 <sup>rd</sup> International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV) ISBN: 978-0-7381-1183-4	pp. 738-742 2021
56.	<b>Mrs.P. Vigneswari</b> Dr.S.Sivakumari	Performance Analysis of Iterative Minsum Message Passing Decoding Algorithm for 5G NR LDPC Codes	IEEE 3 <sup>rd</sup> International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2021)	pp. 764-768, 2021
57.	R. Prasanna <b>Dr.K. Annaram</b> N R Shanker	Multilayer Flexible Substrate Antenna Sensor for PT Measurement From Blood Plasma to Avoid Turbidity and Reagent Sensitivity Variations Through Regression Modelling	IEEE Sensors Journal	Vol 21, No: 9 pp. 10409- 10419, 2021
58.	<b>Mrs.K.V.Archana</b> <b>Dr.R.Vanithamani</b>	Classification of Plaque in Carotid Artery Using Intravascular Ultrasound Images (IVUS) by Machine Learning Techniques	Annals of Romanian Society for Cell Biology ISSN: 1583-6258 SCOPUS Indexed	Vol. 25, Issue 5, pp.4751 - 4760,2021
59.	<b>Mrs.R.Chitra</b>	Human Driving Behavior Detection System: A Comprehensive Survey	International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056	Vol.08, Issue: 05 pp. 1546-1550. 2021
60.	Preethma. R <b>Dr. D. Veera Vanitha</b> Madhumitha.K Kanishka.P	Identification of Road Abnormalities using Convolutional Neural Network	Journal of Engineering, Computing and Architecture (UGC CARE group -2 Journal, ISSN: 1934-7197	Vol. 11, Issue 6, 2021
61.	Haripriya.R <b>Mrs.R.Chitra</b> Haridharani S.V Syed K Nameera Sadeeya	Design and Development of Human Driving Behaviour Detection System using Raspberry Pi	Journal of Engineering, Computing & Architecture, ISSN No.:1934-7197  DOI:17.0002.JECA.2021.V11 I6.200786.7032	Vol. 11, Issue 6, pp.244 - 252 2021

62.	<b>Mrs.P.Vigneswari,</b> Dr.S.Sivakumari	Improving the Performance of Layered Iterative Minsum Message Passing Decoding Algorithm for 5G NR LDPC Codes.	Journal of Physics: Conference Series 1917 012017. DOI:10.1088/1742-6596/1917/1/012017 (Scopus indexed)	2021
63.	Subashini MJ <b>Dr.R.Sudarmani</b> Gobika. S, Varshini. R	Design and Development of Smart Flood Alert System using Weather Forecasting Data and Wireless Sensor Networks (WSN)	Journal of Engineering, Computing & Architecture ISSN No.:1934-7197  DOI:17.0002.JECA.2021.V11 I6.200786.7032	Vol.11, Issue 6, pp.254 - 262  2021
64.	<b>K.V.Archana</b> Dr.R.Vanithamani	A Comparison On Speckle Noise Suppression Algorithm For Intravascular Ultrasound (IVUS) Images	Indian Journal of Computer Science and Engineering, ISSN No.: 0976-5166, (SCOPUS INDEXED) DOI : 10.21817/indjcse/2021/v12i3/211203130	Vol. 12, No. 3, pp.634 - 640 2021
65.	Aanchal Kumari V R Rubatharshini M Thirukarthiga <b>K.V.Archana</b> (AP/ECE)	Data Transmission Through Visible Light Communication (VLC) Technology	International Advanced Research Journal in Science, Engineering and Technology, ISSN No.: 2393-8021, DOI: 10.17148/IARJSET.2021.8671	Vol. 8, Issue 6, pp.414 – 418 2021
66.	S. Tamizhthendral, <b>Dr.R. Sudarmani</b>	Survey on Low Cost Smart Farming using IoT	Journal of Engineering, Computing & Architecture, ISSN No.:1934-7197. (UGC CARE Approved group -2 Journal) DOI:17.0002.JECA.2021.V11 I7.200786.7201	Vol.11, Issue 7, pp. 1-5, 2021
67.	Miruna S <b>Dr.B.Sargunam</b> Indumathi K Nandhini P	Smart Navigation Stick: An Electronic Approach to Assist Visually Impaired	Journal of Xidian University, ISSN No:1001-2400 DOI: org/10.37896/jxu15.8/024	Vol.15, Issue 8, pp. 246 – 254 2021
68.	Mrs.S.Alagammai, <b>Mrs. R.Chitra,</b> Saradhambal M	Review on Anaerobic Digestion of Lignocellulosic Waste	Published in International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056,p-ISSN: 2395-0072	Vol. 08, Issue: 11 2021