

Sl.No	Name	Title of the Paper	Journal	Indexing	Publication Issue
<b>DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING</b>					
<b>FACULTY PUBLICATIONS- JUNE 2020 TO MAY 2021</b>					
<b>July 2020</b>					
1	Dr. S.Brindha & Mr. T. Sivasakthi	Radio over fiber based signal transport schemes for emerging mobile	Journal of optical communications	SCI	
<b>September 2020</b>					
2	Ms.V.Sasikala	Performance analysis and parameter optimization of all-optical encryption using the FWM effect in semiconductor optical amplifier	Journal of Optical Communications-	Scopus	
<b>October 2020</b>					
3	Ms. K.Jeyapiriya Ms. S.Gayathri & Mr.R.Anand	Ameliorate illegitimate Network Access By Packet Inspection	International Journal of Research and Analytical Reviews	UGC	(E-ISSN 2348-1269, P- ISSN 2349-5138) 5.75 Impact factor; Volume 7, Issue 4
4	Ms. S.Gayathri Ms. K.Jeyapiriya & Mr. J.Prakash	Road Perustration of potholes using smart road checking vehicle	International Journal of Research and Analytical Reviews	UGC	(E-ISSN 2348-1269, P- ISSN 2349-5138) 5.75 Impact factor; Volume 7, Issue 4
<b>November 2020</b>					
5	Ms.M.Methini	Cost Effective Front Office Laser Interaction System using High Speed Dual Axis Galvomirror	The Journal of Green Engineering	Scopus	
6	Dr. E. Priya	Book chapter: An Automated Approach for the Identification of TB Images Enhanced by Non-uniform Illumination Correction	In book: Signal and Image Processing Techniques for the Development of Intelligent Healthcare Systems	Web of Science	
7	Dr. E. Priya & Ms.C.N.Savithri	Classification of sEMG Signal-Based Arm Action Using Convolutional Neural Network	In book: Signal and Image Processing Techniques for the Development of Intelligent Healthcare Systems	Web of Science	
<b>December 2020</b>					
8	Ms.B.Panjavarnam	Cognitive Approaches for QoS Enhancement of Medical Image Transmission over LTE Network	Tierärztliche Praxis	Google scholar	ISSN: 0303-6286 pages:2324-2337
9	Ms.V.Sasikala	Smart Greenhouse By Using Arduino Mega and IoT	Solit state technology-International Journal		
10	Ms.C.N.Savithri, Ms.R.Chitra & Ms.K.Jeyapiriya	Region –Convolutional Neural Network For The Inspection Of Lymphoblastic Cells	International Journal of Future Generation Communication and	Web of Science	Vol. 13, No. 4, (2020), pp. 3278–3283

			Networking		
11	Ms.K.Jeyapiriya, Ms.S.Rajalakshmi & Ms. V.Remya	Mutil-Objective Optimization – A Topsis Approach For Of Edm Machining Of Biomaterials	European Journal of Molecular & Clinical Medicine	Scopus	ISSN 2515- 8260 Volume 07, Issue 3, 2020
12	Ms.K Jeyapiriya, Ms.S Gayathri, Ms.T Sivasakthi	A Filter less Method of Generating Frequency 32- Tupling Millimeter-Wave Using External Modulators for Green Communications and its Applications	Journal of Green Engineering	Scopus	ISSN: 1904- 4720 (Print) ISSN: 2245- 4586 (Online); Volume 10; Issue 11
13	Ms. V A Velvizhi , Ms. K Jeyapiriya , Ms. S Gayathri & Mr. J Prakash	Wireless Communications	Emerging Technologies in Engineering Research- Book Chapter		ISBN: 978-93- 5419-211-1 (Online)
14	Dr.J. Thamil Selvi Ms. K. Jeyapiriya Ms. A. R. Rajini Ms. V. Sasikala Ms. K. Subhashini Ms. M. Methini Ms. B. Rajalakshmi Ms.S. Surya Ms V. A. Velvizhi Ms. V. Remya Ms.S. Usha Dr. J. Arunarasi Ms. S. Rajalakshmi	Robotics And Automation- Maximum Authors Contributing for a Book on Covid-19 and its Impact	Asia Book of Records		
15	Ms.N.Nazeeya Anjum	Design of Microstrip patch antenna with slotted ground and patch to support multiband applications	Journal of Xi an University of Architecture & Technology	Scopus	ISSN 1006- 7930, Vol: XII, Issue XII, Page No: 64-70
16	Mr.Alwin Vinifred. C	Fast Synchronization of distributed generators with power grid under transient conditions using hybrid optimization algorithm	International Optimal Control, Applications and Methods	Scopus	DOI: 10.1002/oca.569 7 SCI 17 December 2020
<b>January 2021</b>					
17	Ms. Usha S	Search Assistant Based Home Automation	International Journal Of Electronics, Communication & Instrumentation Engineering Research And Development (Ijceierd)	Index Copernicus	ISSN (PRINT): 2249-684X; IMPACT FACTOR(JCC) (2020):
<b>February 2021</b>					
18	Ms. K.Subhashini	Book Chapter: Design and Experimental investigation of nanobots on cancer therapy	Robotics and Automation – ESN Publications		978-93-90781- 09-6; vol 1/ first edition
19	Dr.J.Thamil Selvi	Modularity For Geometric Reconfiguration Of Robot	Robotics and Automation – ESN Publications		978-93-90781- 09-6; vol 1/ first

		Systems			edition
20	Ms. Methini M	Technical analysis on visual tracking devices for robotic application	Robotics and Automation – ESN Publications		978-93-90781-09-6; vol 1/ first edition
21	Ms.K Subhashini	Design And Experimental Investigation Of Nanobots For Cancer Therapy	Robotics and Automation – ESN Publications		978-93-90781-09-6; vol 1/ first edition
22	Ms. K.Jeyapiriya	Modeling And Control Of A Robot Hand	Robotics and Automation – ESN Publications		978-93-90781-09-6; vol 1/ first edition
23	Ms. Velvizhi V A	Robotics And Automation	Robotics and Automation – ESN Publications		978-93-90781-09-6; vol 1/ first edition
24	Ms V. Remya	Neurorobotics: A review from vision to action	Robotics and Automation – ESN Publications		978-93-90781-09-6; vol 1/ first edition
25	Ms.S.Rajalakshmi	AI Based Robots for Medical Application	Robotics and Automation – ESN Publications		978-93-90781-09-6; vol 1/ first edition
26	Ms.Rajini A R	Chapter 7	Robotics and Automation – ESN Publications		978-93-90781-09-6; vol 1/ first edition
27	Ms.Sasikala V	Evaluaiion And Troubleshooting Of Tactile Sensors Available In Robotic Arm	Robotics and Automation – ESN Publications		978-93-90781-09-6; vol 1/ first edition
28	Ms.G. Sudha & Ms. S. Saranya	Zigbee based Automation Systems for Homes with the Deployment of Smart Sensors	Materials Today: Proceedings - Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.01.043">https://doi.org/10.1016/j.matpr.2021.01.043</a>
29	Ms.S.Surya	Mutlisensor Data Fusion Methods And Architecture	Robotics and Automation – ESN Publications		978-93-90781-09-6; vol 1/ first edition
30	Ms.B.Rajalakshmi	Object identification and recognition technique in robotic vision	Robotics and Automation – ESN Publications		978-93-90781-09-6; vol 1/ first edition
31	Ms. S.Gayathri & Ms. K.Jeyapiriya	Hybrid facial test for encephalopathy	Materials Today: Proceedings - Elsevier	Scopus	<a href="https://doi.org/10.1016/j.matpr.2020.12.879">https://doi.org/10.1016/j.matpr.2020.12.879</a>
32	Ms. Usha S	Societal and Ethical Implications of Robotics	Robotics and Automation – ESN Publications		978-93-90781-09-6; vol 1/ first edition
33	Dr.J.Arunarasi	Computer Integrated Surgical Robots	Robotics And Automation – ESN Publications		978-93-90781-09-6; vol 1/ first edition
34	Dr. K Lakshmi Joshitha	Intelligent Farming Using Delta Robot	Ieee Digital Library		978-93-90781-09-6; vol 1/ first edition
<b>March 2021</b>					
35	Ms. R Chitra	Digital Filter Implementation for Removal of Baseline Wander in ECG Signals	Springer, Singapore	Scopus	<a href="https://link.springer.com/bookseries/7818">https://link.springer.com/bookseries/7818</a>
36	Ms. Rajini A R	Automatic Detection of Diabetic Retinopathy Using Support Vector Machine	American Scientific Publisher- Journal of Computational and Theoretical Nanoscience	Scopus	1546-1955
37	Ms. G. Sudha	Driverless Vehicle for Garbage Collection	Elsevier - Materials Today: Proceedings	SCOPUS	<a href="https://doi.org/10.1016/j.matpr.2021.01.043">https://doi.org/10.1016/j.matpr.2021.01.043</a>

					<a href="#">021.01.044</a>
38	Ms. G. Sudha	Variable Vehicle Speed Limiter for Accident Avoidance using RF and Light Fidelity (LiFi) Technology	SERSC - Science & Engineering Research Support society- International Journal of Future Generation Communication and Networking	Web of Science	ISSN: 2233-7857 IJFGCN
39	Dr.M.Baskaran, Ms. Jeyapiriya K & Ms.S.Gayathri	U-shaped Monopole Antenna design with Defected Ground Structures for UWB Applications	SERSC - Science & Engineering Research Support society- International Journal of Disaster Recovery and Business Continuity	Web of Science	ISSN: 2005-4289 IJDRBC
40	Dr. M. Kanthimathi, Ms. S Surya & Ms.B Rajalakshmi	Performance analysis of multiuser MIMO OFDM systems incorporating feedback delay and feedback error	IOP Publishing - Journal of Physics: Conference Series	SCI EXTENDED	:10.1088/1742-6596/1921/1/012012/1742-6588
<b>April 2021</b>					
41	Dr.E.Priya	Book Chapter: Optimization-based multilevel threshold image segmentation for identifying ischemic stroke lesion in brain MR images	Elsevier, Academic Press	Scopus indexed	ISBN: 9780128222713
42	Ms.N.Shivaanivarsha	Smart Relay for Monitoring and Controlling the Systems	International Journal of Engineering Research & Technology	UGC	<a href="https://www.ijert.org/?s=Smart+Relay+for+Monitoring+and+Controlling+the+Systems">https://www.ijert.org/?s=Smart+Relay+for+Monitoring+and+Controlling+the+Systems</a>
43	Ms. Jeyapiriya K & Ms. S.Gayathri	Book Chapter: Objective Of Feature Selection Techniques In Various Utilization	Recent Trends In Engineering And Technology		
44	Ms.K Subhashini	Numerical analysis of hip bone replacement design parameters	Materials Today Proceeding		<a href="https://doi.org/10.1016/j.matpr.2021.03.119">https://doi.org/10.1016/j.matpr.2021.03.119</a>
45	Ms. N.Shivaanivarsha	Study and Analysis of the Effective Geometries for the Piezoresistive Pressure Sensors	Turkish Journal of Computer and Mathematics Education	Scopus indexed	<a href="https://doi.org/10.17762/turcomat.v12i6.1367">https://doi.org/10.17762/turcomat.v12i6.1367</a>
46	Ms. G. Sudha	Home Automation Using Brain Wave Technology	Recent Trends In Engineering And Technology		ISBN-9788194714989
47	Ms. G. Sudha	Communication Scheme Based On Blue Ray Optical Modems For Autonomous Marine Vehicles	Recent Trends In Engineering And Technology		ISBN-9788194714989
48	Dr.J.Arunarasi	Improved adaptive LMS algorithm for DS-CDMA Receiver over AWGN and fading channels	Solid State Technology	Scopus	ISSN 0038-111X (online)
49	Dr.J.Arunarasi	Performance analysis of multi-user DS-CDMA using wavelet based diversity schemes	Tierärztliche Praxis	Google Scholar	ISSN: 0303-6286
50	Ms V Remya	Flexible Devices	Recent Trends in Engineering And		ISSN : 9788194714989

			Technology		
<b>May 2021</b>					
51	Mr. K.Srinivasan	Smart Trolley Using Iot	ISR Journals & Publications- International Science & Research Journals	UGC	