



**GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY::NELLORE**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Academic Year 2020-21**

**R & D and Consultancy Activities**

**Research Publications (Journals)**

Sl. No	Name of the Author	No of Authors	Main Author/ other	Title of the Paper	Name of the Journal	ISBN/ ISSN Number	Vol / Month	Index No UGC/ Scopus	URL/DOI
1	Dr. A. Kishore Reddy	8	Main	Performance evaluation of noise coupling on Germanium based TSV filled material for future IC integration technique	Materials Today: Proceedings	2214-7853	Feb-21	Scopus	<a href="https://doi.org/10.1016/j.matpr.2020.07.631">https://doi.org/10.1016/j.matpr.2020.07.631</a>
2	Dr. A. Kishore Reddy	6	Other	IoT based smart drainage monitoring and cleaning system for solid waste materials	Materials Today: Proceedings	2214-7853	Vol. 45/ Feb-2021	Scopus	<a href="https://doi.org/10.1016/j.matpr.2020.11.940">https://doi.org/10.1016/j.matpr.2020.11.940</a>
3	Dr. P. Rahul Reddy	5	Other	An extensive survey on reduction of noise coupling in TSV based 3D IC integration	Materials Today: Proceedings	2214-7853	Vol. 45/ Sep-2021	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320356911">https://www.sciencedirect.com/science/article/pii/S2214785320356911</a>
4	Dr. P. Rahul Reddy	6	Other	Recent developments in code compression techniques for embedded systems	Materials Today: Proceedings	2214-7853	Vol. 46/ March, 2021	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321017946">https://www.sciencedirect.com/science/article/pii/S2214785321017946</a>
5	Dr. P. Rahul Reddy	5	Other	Design and Development of Graphene FET Biosensor for the Detection of SARS-CoV-2	Silicon	1876-9918	Online First	Scopus and SCIE	<a href="https://doi.org/10.1007/s12633-021-01372-1">https://doi.org/10.1007/s12633-021-01372-1</a>
6	Dr. P. Rahul Reddy	5	Other	An energy-efficient reconfigurable	Applied nanoscience	2190-5517	Online First	Scopus and	<a href="https://doi.org/10.1007/s13204-021-02069-">https://doi.org/10.1007/s13204-021-02069-</a>

				accelerators in multi-core systems using PULP-NN				SCIE	<a href="#">y</a>
7	Dr. K. Radhika	2	Other	Multi spectral image classification based on deep feature extraction using deep learning technique	International Journal of Bioinformatics Research and Applications (IJBRA)	1744-5493	Vol.17/ No. 3, August 2021	Scopus	<a href="https://doi.org/10.1504/IJBRA.2021.117169">10.1504/IJBRA.2021.117169</a>
8	Dr. K. Radhika	4	Other	Assessment of the Effects of Block chain Based Protection in Network Performance	Journal of Physics: Conference Series	1742-6588	Vol. 1964, 1-7, July 2021	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1964/4/04207">https://iopscience.iop.org/article/10.1088/1742-6596/1964/4/04207</a>
9	Dr. K. Radhika	4	Main	Service Oriented Virtual Machine for Maximising Quality of Service in Wireless Network	Journal of Physics: Conference Series	1742-6588	Vol.1964, 1-7, July 2021	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1964/4/042086">https://iopscience.iop.org/article/10.1088/1742-6596/1964/4/042086</a>
10	Mr. G. Kiran Kumar	4	Other	Human Acoustic Voice Controlled Robot	Journal of Green Engineering	1904-4720	Vol. 11/March-2021	Scopus	<a href="http://www.jgenng.com/volume11-issue3.php">http://www.jgenng.com/volume11-issue3.php</a>
11	Mr. P. Raghava Reddy	2	Main	Novel deep learning convolution technique for recognition of Alzheimer's disease	Materials Today: Proceedings	2214-7853	Vol. 46/ March, 2021	Scopus	<a href="https://doi.org/10.1016/j.matpr.2021.02.626">https://doi.org/10.1016/j.matpr.2021.02.626</a>
12	Mr. P. Raghava Reddy	2	Main	Brain MRI Examination for Alzheimer's Disease Finding Utilizing CAD System Design based on Deep CNN	Annals of the Romanian Society for Cell Biology	1583-6258	Vol. 25, No. 6, 2021	Scopus	<a href="https://annalsofrscb.ro/index.php/journal/article/view/6568">https://annalsofrscb.ro/index.php/journal/article/view/6568</a>
13	Mr. P. Raghava Reddy	2	Main	A CAD system design to diagnose alzheimers disease from MRI brain images using optimal deep	Multimedia Tools and Applications	13807501	Online First	SCI	<a href="https://doi.org/10.1007/s11042-021-10928-7">https://doi.org/10.1007/s11042-021-10928-7</a>

				neural network					
14	Mr. U. Penchalaiah	2	Main	An extensive Survey on Signed, Unsigned Truncated Multiplier	Materials Today: Proceedings	2214-7853	Jan-21	Scopus	<a href="https://doi.org/10.1016/j.matpr.2020.12.264">https://doi.org/10.1016/j.matpr.2020.12.264</a>
15	Mr. U. Penchalaiah	2	Main	A facile approach to design truncated multiplier based on HSCG-SCG CSLA adder	Materials Today: Proceedings	2214-7853	Vol. 46/ March, 2021	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321017806">https://www.sciencedirect.com/science/article/pii/S2214785321017806</a>
16	Mr. U. Penchalaiah	2	Main	A Novel Approach for Signed, Unsigned Truncated Multiplier Based on HSCG-SCG CSLA Adder	Solid State Technology	0038-111X	Vol. 64/ Feb-2021	Scopus	<a href="http://solidstatetechnology.us/index.php/JSS T/article/view/9780">http://solidstatetechnology.us/index.php/JSS T/article/view/9780</a>
17	Mr. U. Penchalaiah	6	Other	IoT based smart drainage monitoring and cleaning system for solid waste materials	Materials Today: Proceedings	2214-7853	Vol. 45/ Feb-2021	Scopus	<a href="https://doi.org/10.1016/j.matpr.2020.11.940">https://doi.org/10.1016/j.matpr.2020.11.940</a>



**GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY::NELLORE**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**Academic Year 2019-20**  
**R & D and Consultancy Activities**

**Research Publications (Journals)**

Sl. No.	Name of the Author	No of Authors	Main Author / Other	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Vol / Month	Index No UGC/ Scopus	URL/DOI
1	Dr. A. Kishore Reddy	2	Main Author	Adaptive Traffic Management in Heterogeneous Wireless Networks	International Journal of Innovative Technology and Exploring Engineering	2278-3075	Vol.8 / August 2019	Scopus	<a href="https://www.ijitee.org/wp-content/uploads/papers/v8i10/J10050881019.pdf">https://www.ijitee.org/wp-content/uploads/papers/v8i10/J10050881019.pdf</a>
2	Dr. D. Regan	2	Main Author	An Unsharp masking algorithm embedded with bilateral filter system for enhancement of aerial photographs	International journal of recent technology and engineering	2277-3878	Vol. 08 / November 2019	Scopus	<a href="https://www.ijrte.org/wp-content/uploads/papers/v8i4/D4364118419.pdf">https://www.ijrte.org/wp-content/uploads/papers/v8i4/D4364118419.pdf</a>
3	Ms. K. Radhika	3	others	An analysis of a block matching method for different bands of monochrome images	International Journal of Advanced Science and Technology	2249-6890	Vol. 28/ December 2019	Scopus	<a href="http://sersc.org/journals/index.php/IJAST/article/view/2517/1747">http://sersc.org/journals/index.php/IJAST/article/view/2517/1747</a>
4	Ms. K. Radhika	3	Main Author	Implementation of data logger for live tracking of vehicle parameters using GSM-GPS for security.	International Journal of Innovative Technology and Exploring Engineering	2278-3075	Vol. 09/ December 2019	Scopus	<a href="https://www.ijitee.org/wp-content/uploads/papers/v9i2/B7426129219.pdf">https://www.ijitee.org/wp-content/uploads/papers/v9i2/B7426129219.pdf</a>



**GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY::NELLORE**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Academic Year 2018-19**

**R & D and Consultancy Activities**

**Research Publications (Journals)**

<b>Sl. No.</b>	<b>Name of the Author</b>	<b>No of Authors</b>	<b>Main Author/ Other</b>	<b>Title of the Paper</b>	<b>Name of the Journal</b>	<b>ISBN/ISSN Number</b>	<b>Vol / Month</b>	<b>Index No UGC/ Scopus</b>	<b>URL/DOI</b>
1	Dr. D. Regan	4	Other	An algorithm for concrete crack extraction and identification based on machine vision	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06004">http://www.jetir.org/view?paper=JETIRBC06004</a>
2	Dr. D. Regan	6	Other	Fake currency recognition system for Indian notes using image processing techniques	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06005">http://www.jetir.org/view?paper=JETIRBC06005</a>
3	Dr. R. Solomon Roach	4	Main Author	FPGA implementation and power analysis of 2-parallel UAS based ESPF FIR filter	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06038">http://www.jetir.org/view?paper=JETIRBC06038</a>
4	Dr. R. Solomon Roach	4	Main Author	Resource and power analysis of CSD-VHCSE based reconfigurable fir filter on various FPGA's	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06039">http://www.jetir.org/view?paper=JETIRBC06039</a>
5	Dr. S. Parasuraman	3	Main Author	Design a reconfigurable rectangular microstrip patch antenna for	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06029">http://www.jetir.org/view?paper=JETIRBC06029</a>

				multiband communication					
6	Dr. S. Parasuraman	3	Main Author	Enhanced bandwidth and radiation specifications of u-shape multislot antenna for WIMAX application	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06003">http://www.jetir.org/view?paper=JETIRBC06003</a>
7	Dr. Sd. Jeelan Basha	4	Main Author	Automated contrast limited adaptive histogram equalization using intrinsic decomposition and dual gamma correction	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view.php?paper=JETIRBC06018">http://www.jetir.org/view.php?paper=JETIRBC06018</a>
8	Dr. Sd. Jeelan Basha	4	Main Author	Image quality assessment based on NIQE, PIQE, GLCM, and LBP using SVM	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06025">http://www.jetir.org/view?paper=JETIRBC06025</a>
9	Dr. Sd. Jeelan Basha	4	Main Author	Secure and robust digital image watermarking using detailed DWT coefficients	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view.php?paper=JETIRBC06007">http://www.jetir.org/view.php?paper=JETIRBC06007</a>
10	Dr. Shaik Mahaboob Basha	5	Other	Modified KPCA Technique for the Estimation of metrics for Super Resolution based Application	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIR1806676">http://www.jetir.org/view?paper=JETIR1806676</a>
11	Dr. Sk. Mahaboob Basha	5	Other	Dual alert security device for women using GPS and GSM modules	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06041">http://www.jetir.org/view?paper=JETIRBC06041</a>
12	Dr. Sk. Mahaboob Basha	5	Other	Energy saving and robust surveillance	Journal of Emerging Technologies and	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06041">http://www.jetir.org/view?paper=JETIRBC06041</a>

				system using sensors and Raspberry PI	Innovative Research(JETIR)				<a href="#">IRBC06040</a>
13	Dr. Sk. Mahaboob Basha	2	Main Author	Synthesization of Low power folded tree Digital Signal Processor Architecture for WSN Applications	International Journal of Engineering and Technology (IJET)	2227-524X	Vol. 07 / October 2018	Scopus	<a href="https://www.sciencepubco.com/index.php/ijet/article/view/27747">https://www.sciencepubco.com/index.php/ijet/article/view/27747</a>
14	Mr. G. Kiran kumar	5	Main Author	Cognitive satellite terrestrial network using beam forming approach	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/papers/JETIRBC06022.pdf">http://www.jetir.org/papers/JETIRBC06022.pdf</a>
15	Mr. G. Kiran kumar	5	Main Author	Synthesization of low power and area optimized approximate SOP designs	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/papers/JETIRBC06010.pdf">http://www.jetir.org/papers/JETIRBC06010.pdf</a>
16	Mr. G. Kiran kumar	4	Main Author	Synthesization of low power and area optimized approximate sum-of-products designs based on distributed arithmetic	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view.php?paper=JETIRBC06010">http://www.jetir.org/view.php?paper=JETIRBC06010</a>
17	Mr. K. Prabhakar Reddy	4	Main Author	An adaptive method for vehicle counting using digital image processing techniques	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06037">http://www.jetir.org/view?paper=JETIRBC06037</a>
18	Mr. K. Prabhakar Reddy	5	Main Author	Smart and easy shopping system using IoT	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06036">http://www.jetir.org/view?paper=JETIRBC06036</a>
19	Mr. M. Mahesh Kumar	4	Main Author	A bit-plane decomposition matrix-based VLSI integer transform	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/papers/JETIRBC06019.pdf">http://www.jetir.org/papers/JETIRBC06019.pdf</a>



				architecture for HEVC					
20	Mr. M. Mahesh Kumar	5	Main Author	Low power consumption using non volatile RRAM lookup tables	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06008">http://www.jetir.org/view?paper=JETIRBC06008</a>
21	Mr. M. Sivakrishna	5	Main Author	Plant Disease detection and pesticide spraying using DIP and IoT	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/papers/JETIRBC06009.pdf">http://www.jetir.org/papers/JETIRBC06009.pdf</a>
22	Mr. Mohana Krishna	4	Main Author	A high accuracy solver for RTE in under water optical communication path loss prediction	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06017">http://www.jetir.org/view?paper=JETIRBC06017</a>
23	Mr. P. Raghava Reddy	4	Main Author	Brain tumour detection system using deep learning	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06006">http://www.jetir.org/view?paper=JETIRBC06006</a>
24	Mr. P. Raghava Reddy	5	Main Author	Design and analysis of carry maskable adder (CMA) for low power application	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06023">http://www.jetir.org/view?paper=JETIRBC06023</a>
25	Mr. P. Raghava Reddy	5	Main Author	GUI based quality assessment of rice grain using optical and image processing techniques	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06002">http://www.jetir.org/view?paper=JETIRBC06002</a>
26	Mr. P. V. Krishna Rao	3	Main Author	Hand gesture recognition and voice conversion system for dumb and deaf people	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06024">http://www.jetir.org/view?paper=JETIRBC06024</a>
27	Mr. S. Sreenivasulu	4	Main Author	A facial-expression monitoring system for improved healthcare in smart cities	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06026">http://www.jetir.org/view?paper=JETIRBC06026</a>



28	Mr. S. Sreenivasulu	3	Main Author	Skin segmentation based on improved thresholding method	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06027">http://www.jetir.org/view?paper=JETIRBC06027</a>
29	Mr. U. Sreenivasulu	3	Main author	Basic Survey: Different Channel Scheduling Strategies In OFDM Systems	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/papers/JETIRBC06001.pdf">http://www.jetir.org/papers/JETIRBC06001.pdf</a>
30	Mr. U. Sreenivasulu	3	Main author	Dynamic and reliable node auto configurations to improve QoS in WiMax networks	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="https://www.jardcs.org/backissues/abstract.php?archiveid=4278">https://www.jardcs.org/backissues/abstract.php?archiveid=4278</a>
31	Mr. U. Sreenivasulu	5	Other	Indoor air quality monitoring system using IoT	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06033">http://www.jetir.org/view?paper=JETIRBC06033</a>
32	Mr. U. Sreenivasulu	6	Other	Reduction of PAPR without side information for SFBC MIMO-OFDM systems	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06034">http://www.jetir.org/view?paper=JETIRBC06034</a>
33	Ms. C. Durga Tejeswi	3	Main Author	Design and implementation of touch based TFT shift register for low power and low noise applications with 18nm technology	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06035">http://www.jetir.org/view?paper=JETIRBC06035</a>
34	Ms. D. Nagajyothi	3	Other	Evolutionary Algorithm Based Extreme Learning Machine For Retrieval Of Images	International Journal of Engineering and Technology (IJET)	2227-524X	Vol. 07 / October 2018	Scopus	<a href="https://www.sciencepubco.com/index.php/ijet/article/view/22795">https://www.sciencepubco.com/index.php/ijet/article/view/22795</a>
35	Ms. D. Nagajyothi	5	Main	High capacity	Journal of Emerging	2349-5162	Vol. 06 /	63975	<a href="http://www.jetir.org">http://www.jetir.org</a>

			Author	reversible data hiding in encrypted images through MSB prediction-based method	Technologies and Innovative Research(JETIR)		April 2019		<a href="http://www.jetir.org/view?paper=JETIRBC06030">g/view?paper=JETIRBC06030</a>
36	Ms. D. Nagajyothi	3	Main Author	IoT based toll collection management system	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view.php?paper=JETIRBC06013">http://www.jetir.org/view.php?paper=JETIRBC06013</a>
37	Ms. I. Divya	4	Main Author	Iot based remote health monitoring system	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06031">http://www.jetir.org/view?paper=JETIRBC06031</a>
38	Ms. K. Radhika	4	Main Author	A novel conveyor belt mechanism for identifying and sorting products	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view.php?paper=JETIRBC06014">http://www.jetir.org/view.php?paper=JETIRBC06014</a>
39	Ms. K. Radhika	3	Main Author	A Robust Approach For Multispectral Image Classification	International Journal of Engineering and Technology (IJET)	2227-524X	Vol. 07 / December 2018	Scopus	<a href="https://www.sciencepubco.com/index.php/ijet/article/view/22796/11273">https://www.sciencepubco.com/index.php/ijet/article/view/22796/11273</a>
40	Ms. K. Radhika	3	Main Author	Ensemble Subspace Discriminant Classification Of Satellite Images	Journal of Scientific and Industrial Research (JSIR)	0022-4456	Vol. 77 / November 2018	UGC/ Scopus/ SCI	<a href="http://nopr.niscair.res.in/handle/123456789/45383">http://nopr.niscair.res.in/handle/123456789/45383</a>
41	Ms. K. Radhika	3	Other	Evolutionary Algorithm Based Extreme Learning Machine For Retrieval Of Images	International Journal of Engineering and Technology (IJET)	2227-524X	Vol. 07 / December 2018	Scopus	<a href="https://www.sciencepubco.com/index.php/ijet/article/view/22795">https://www.sciencepubco.com/index.php/ijet/article/view/22795</a>
42	Ms. K. Radhika	4	Main Author	High accurate person identification combining left and right palm print images	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06028">http://www.jetir.org/view?paper=JETIRBC06028</a>

43	Ms. K. Radhika	4	Main Author	Image classification using wavelet and LBP based features for image retrieval applications	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view.php?paper=JETIRBC06011">http://www.jetir.org/view.php?paper=JETIRBC06011</a>
44	Ms. K. Radhika	2	Main Author	Image classification based on Ensemble Subspace Discriminant method using Random subspace algorithm	International Journal of Innovations in Engineering and Education		Vol. 01 / April 2019		<a href="http://www.ijee.com/wp-content/uploads/2018/11/C-01-01-03.pdf">http://www.ijee.com/wp-content/uploads/2018/11/C-01-01-03.pdf</a>
45	Ms. K. Radhika	2	Main Author	A Random Subspace algorithm based classification for change detection of satellite images	International Journal of Developments in Technology and Science	2581-9119	Vol. 01 / April 2019		<a href="http://www.ijdts.com/file/archives/volume1/issue1/C-01-01-01.pdf">http://www.ijdts.com/file/archives/volume1/issue1/C-01-01-01.pdf</a>
46	Ms. K. Radhika	3	Others	Digital time stamping method for secure end to end communication on a Block chain	Journal of Emerging Technologies and Innovative Research	2349-5162	Vol. 06 / May 2019	UGC	<a href="http://www.jetir.org/papers/JETIR1905794.pdf">http://www.jetir.org/papers/JETIR1905794.pdf</a>
47	Ms. K. Radhika	3	others	An analysis of a block matching method on single chrome images	International Journal of Innovative Technology and Exploring Engineering	2278-3075	Vol. 08 / June 2019	Scopus	<a href="https://www.ijitee.org/wp-content/uploads/papers/v8i8/G6311058719.pdf">https://www.ijitee.org/wp-content/uploads/papers/v8i8/G6311058719.pdf</a>
48	Ms. K. Radhika	3	Other	An analysis of Block matching method on different bands of monochrome images	International Journal of Advanced Science and Technology	2207-6360	Vol. 28 / 2019	Scopus	<a href="file:///C:/Users/Pirai/Desktop/NBA_19.03.2021/temp/2517-Article%20Text-3945-1-10-20191229.pdf">file:///C:/Users/Pirai/Desktop/NBA_19.03.2021/temp/2517-Article%20Text-3945-1-10-20191229.pdf</a>
49	Ms. K. Radhika	3	Main Author	Classification of RISAT MRS Data with BM3D algorithm	International Journal of Innovative Technology and Exploring	2278-3075	Vol. 08 / March 2019	Scopus	<a href="https://www.ijitee.org/wp-content/uploads/papers/v8i5/E2">https://www.ijitee.org/wp-content/uploads/papers/v8i5/E2</a>

					Engineering				<a href="#">878038519.pdf</a>
50	Ms. M. Suhasini	5	Main Author	Vehicle tracking and locating system based on GPS and GSM	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06032">http://www.jetir.org/view?paper=JETIRBC06032</a>
51	Ms. P. Madhavi	3	Main Author	Data hiding and extraction from images using side match algorithm	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/papers/JETIRBC06020.pdf">http://www.jetir.org/papers/JETIRBC06020.pdf</a>
52	Ms. P. Madhavi	3	Main Author	IoT based anti-poaching alarm system for trees in forests	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view?paper=JETIRBC06021">http://www.jetir.org/view?paper=JETIRBC06021</a>
53	Ms. Sk. Shahina	3	Main Author	Enhancing the security of MISO NOMA SWIPT system using cooperative jamming scheme	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view.php?paper=JETIRBC06015">http://www.jetir.org/view.php?paper=JETIRBC06015</a>
54	Ms. Sk. Shahina	5	Main Author	Estimation of channel in MIMO-OFDM systems based on a new adaptive matching pursuit algorithm	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / April 2019	63975	<a href="http://www.jetir.org/view.php?paper=JETIRBC06016">http://www.jetir.org/view.php?paper=JETIRBC06016</a>



**GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY::NELLORE**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Academic Year 2017-18**

**R & D and Consultancy Activities**

**Research Publications (Journals)**

Sl. No.	Name of the Author	No of Authors	Main Author/ Other	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Vol / Month	Index No UGC/ Scopus	URL/DOI
1	Dr. A. Rajan	1	Main Author	Classification of intravascular ultrasound images based on non-negative matrix factorization features and maximum likelihood classifier	International journal of advances in signal and image sciences	2457-0370	Vol. 04 / June 2018	Scopus	<a href="https://doi.org/10.29284/ijasis.4.1.2018.16-22">https://doi.org/10.29284/ijasis.4.1.2018.16-22</a>
2	Mr. K. Prabhakar Reddy	3	Main author	VLSI Implementation Of Fast Addition Using Quaternary Signed Digit Number System	International Journal of VLSI Design and Communication Systems (IJVDCS)	2322-0929	Vol. 06		<a href="http://www.ijvdc.org/issue.php?issue=ISSUE%201&amp;volume=Volume6&amp;page=9">http://www.ijvdc.org/issue.php?issue=ISSUE%201&amp;volume=Volume6&amp;page=9</a>
3	Mr. M. Mahesh Kumar	2	Other	Design Of High-Speed Multiplier By Using Carry Select Adder	International Journal of Advanced Research, Ideas and Innovations in Technology (IJARIIT)	2454-132X	Vol. 04 / June 2018		<a href="https://www.ijariit.com/manuscript/design-of-high-speed-multiplier-by-using-carry-select-adder/">https://www.ijariit.com/manuscript/design-of-high-speed-multiplier-by-using-carry-select-adder/</a>
4	Mr. P. Raghava Reddy	3	Other	Low power and area efficient shift registers using pulsed latches	International Journal of Advanced Research, Ideas and Innovations in Technology (IJARIIT)	2454-132X	Vol. 04 / June 2018		<a href="https://www.ijariit.com/manuscript/low-power-and-area-efficient-shift-registers-using-">https://www.ijariit.com/manuscript/low-power-and-area-efficient-shift-registers-using-</a>

									<a href="https://www.researchgate.net/publication/328118391/pulsed-latches/?utm_source=pdf&amp;utm_medium=edition&amp;utm_campaign=OmAkSols&amp;utm_term=V4I3-1839">pulsed-latches/?utm_source=pdf&amp;utm_medium=edition&amp;utm_campaign=OmAkSols&amp;utm_term=V4I3-1839</a>
5	Mr. U. Sreenivasulu	3	Main Author	Downlink scheduling algorithm for WiMAX protocol to improve QoS	Computer engineering and computer science	2191-4281	Vol. 10 / August 2017	Scopus	<a href="https://link.springer.com/article/10.1007/s13369-017-2717-6">https://link.springer.com/article/10.1007/s13369-017-2717-6</a>
6	Mr. U. Sreenivasulu	3	Main Author	IoT Based Irrigation System By Using Distributed Wireless Network	International Journal of Scientific Engineering and technology Research	2319-8885	Vol. 7 / June 2018		<a href="http://ijsetr.com/uploads/432615IJSE-TR16966-247.pdf">http://ijsetr.com/uploads/432615IJSE-TR16966-247.pdf</a>
7	Mr. U. Sreenivasulu	3	Other	Selective Transistor Redundancy For Combinational Circuits To Reduce Faults	International Journal of Current Advanced Research (IJCAR)	2319-6475	Vol. 07 / 2018		<a href="http://journalijcar.org/issues/selective-transistor-redundancy-combinational-circuits-reduce-faults">http://journalijcar.org/issues/selective-transistor-redundancy-combinational-circuits-reduce-faults</a>
8	Ms. D. Nagajyothi	3	Other	DACA: The Solution For Future Demands	International Journal of Current Advanced Research (IJCAR)	2319-6475	Vol. 07 / 2018		<a href="http://journalijcar.org/issues/daca-solution-future-demands">http://journalijcar.org/issues/daca-solution-future-demands</a>
9	Ms. D. Nagajyothi	3	Other	Face Recognition Under Non-Uniform Motion Blur, Illumination And Pose Variations	International Journal of Current Advanced Research (IJCAR)	2319-6475	Vol. 07 / 2018		<a href="http://journalijcar.org/issues/face-recognition-under-non-uniform-motion-blur-illumination-and-pose-variations">http://journalijcar.org/issues/face-recognition-under-non-uniform-motion-blur-illumination-and-pose-variations</a>

10	Ms. K. Radhika	3	Main Author	Multispectral Image Classification Using Cluster Ensemble Technique	International Journal of Intelligent Systems Technologies and Applications (IJISTA)	1740-8873	vol. 17 / April 2018	Scopus	<a href="https://www.inderscienceonline.com/doi/abs/10.1504/IJISTA.2018.091587">https://www.inderscienceonline.com/doi/abs/10.1504/IJISTA.2018.091587</a>
11	Ms. K. Radhika	3	Other	PAPR Reduction for OFDM based Massive MIMO Systems using Selected Mapping Technique	Asian Journal of Science and Technology (AJST)	0976- 3376	Vol. 09 / May 2018	UGC	<a href="https://www.journalajst.com/sites/default/files/issues-pdf/5966.pdf">https://www.journalajst.com/sites/default/files/issues-pdf/5966.pdf</a>
12	Ms. K. Radhika	2	Main Author	A Neural Network Based Classification Of Satellite Images For Change Detection Applications	Cogent Engineering	2331-1916	Vol. 05 / June 2018	Scopus	<a href="https://www.tandfonline.com/doi/full/10.1080/23311916.2018.1484587">https://www.tandfonline.com/doi/full/10.1080/23311916.2018.1484587</a>
13	Ms. K. Radhika	2	Main Author	A Random Subspace Based Classification For Temporal Data of Satellite Images	Helix	2719-2725	Vol. 08 / December 2018	ESCI & WoS	<a href="http://helix.dnares.in/wp-content/uploads/2018/02/2719-2725.AP_.15.pdf">http://helix.dnares.in/wp-content/uploads/2018/02/2719-2725.AP_.15.pdf</a>
14	Ms. K. Radhika	2	Main Author	Satellite Image Classification Based On Ensemble Subspace Discriminant Method Using Random Subspace Algorithm	Helix	2719-2725	Vol. 08 / December 2017	ESCI & WoS	<a href="http://helix.dnares.in/wp-content/uploads/2018/02/2714-2718.AP_.14.pdf">http://helix.dnares.in/wp-content/uploads/2018/02/2714-2718.AP_.14.pdf</a>
15	Ms. K. Radhika	3	Other	Latent finger print matching using robust alignment algorithm	International journal of current research in life sciences	2319-9490	Vol. 07 / March 2018	UGC	<a href="http://vipspublisher.com/ijcrs.com/issue/latent-finger-print-matching-using-">http://vipspublisher.com/ijcrs.com/issue/latent-finger-print-matching-using-</a>



									<a href="#">robust-alignment-algorithm</a>
16	Ms. K. Radhika	2	Main Author	Satellite Image Classification And Quality Parameters Using ML Classifier	International Journal of Engineering and Technology (IJET)	2227-524X	Vol. 07 / January 2018	Scopus	<a href="https://www.sciencepubco.com/index.php/ijet/article/view/9441/3250">https://www.sciencepubco.com/index.php/ijet/article/view/9441/3250</a>
17	Ms. M. Suhasini	3	Main Author	An Advanced Garbage Monitoring System Using IoT	International Journal of Advanced Technology and Innovative Research (IJATIR)	2348-2370	Vol.10 / June 2018		<a href="http://ijatir.org/uploads/421653IJATIR16967-131.pdf">http://ijatir.org/uploads/421653IJATIR16967-131.pdf</a>
18	Ms. Sk. M. Sahina	3	Other	A Review upon Fast Discrete Curvelet Transforms in Satellite Image Processing	International journal of current advanced research	2319-6505	Vol. 07 / May 2018		<a href="https://journalijcar.org/issues/review-upon-fast-discrete-curvelet-transforms-satellite-image-processing">https://journalijcar.org/issues/review-upon-fast-discrete-curvelet-transforms-satellite-image-processing</a>
19	Ms. Sk. M. Shahina	3	Other	A Robust Approach For Multispectral Image Classification	International Journal of Engineering and Technology (IJET)	2227-524X	Vol. 07 / 2018	Scopus	<a href="https://www.sciencepubco.com/index.php/ijet/article/view/22796">https://www.sciencepubco.com/index.php/ijet/article/view/22796</a>
20	Mr. P. V. Krishna Rao	5	Other	Zigbee based intelligent helmet for coal miners safety purpose	International Journal of Advance Research, Ideas and Innovations In Technology	2454-132X	Volume 4, Issue 3, 2018		<a href="https://www.ijariit.com/manuscript/iris-recognition-based-on-human-interpretable-features/">https://www.ijariit.com/manuscript/iris-recognition-based-on-human-interpretable-features/</a>
21	Mr. V. Bhaskar Rao	3	Other	Simulation and analysis of sub sampled filter bank design for multimodal medical image fusion based on wavelets transformations	International Journal of Current Advanced Research	2319-6475	Volume 7, Issue 5, 2018		<a href="https://journalijcar.org/sites/default/files/issue-files/6730-A-2018.pdf">https://journalijcar.org/sites/default/files/issue-files/6730-A-2018.pdf</a>

22	Mr. V. Bhaskar Rao	3	Other	Iris recognition based on human interpretable features	International Journal of Current Advanced Research	2319-6475	Volume 4, Issue 3, 2018		<a href="https://www.ijariit.com/manuscript/iris-recognition-based-on-human-interpretable-features/">https://www.ijariit.com/manuscript/iris-recognition-based-on-human-interpretable-features/</a>
23	Dr. Sk. Mahaboob Basha	4	Other	A Modified Technique For Effective And Quantitative Evaluation Of Brain Tumour	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / June 2018	63975	<a href="http://www.jetir.org/view.php?paper=JETIR1806674">http://www.jetir.org/view.php?paper=JETIR1806674</a>
24	Dr. Sk. Mahaboob Basha	5	Other	Modified KPCA technique for the estimation of metrics for super resolution based application	Journal of Emerging Technologies and Innovative Research(JETIR)	2349-5162	Vol. 06 / June 2018	63975	<a href="https://www.jetir.org/view?paper=JETIR1806676">https://www.jetir.org/view?paper=JETIR1806676</a>
25	Dr. P. Sreenivasulu	4	Other	Identification of fungal diseases in paddy fields using image processing techniques	International Journal of Current Advanced Research	2454-132X	Vol.04/ June 2018	--	<a href="https://www.ijariit.com/manuscript/iris-recognition-based-on-human-interpretable-features/">https://www.ijariit.com/manuscript/iris-recognition-based-on-human-interpretable-features/</a>
26	Dr. P. Sreenivasulu	4	Other	Synthesization of low power digital signal processor architecture	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences	2349-7300	Vol.05/ June 2017	-	<a href="https://www.ijirmp.s.org/papers/2017/2/166.pdf">https://www.ijirmp.s.org/papers/2017/2/166.pdf</a>



**GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY::NELLORE**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Academic Year 2016-17**

**R & D and Consultancy Activities**

Sl. No.	Name of the Author	No of Authors	Main Author / Other	Title of the Paper	Name of the Journal	ISBN/ISSN Number	Vol / Month	Index No UGC/ Scopus	URL/DOI
1	Dr. Shaik. Mahaboob Basha	2	Main Author	An Integrated Approach for Microwave Security System	International Journal of Applied Engineering Research	0973-4562	Vol. 12 / January 2017	Scopus	<a href="https://www.ripublication.com/ijaerspl2017/ijaerv12n1spl18.pdf">https://www.ripublication.com/ijaerspl2017/ijaerv12n1spl18.pdf</a>
2	Dr. Sk. Mahaboob Basha	4	Main Author	Design of Security Robot In Night Vision Using Wireless Video Cameras & Ultrasonic Sensors	International Journal of Advance Research and Innovative Ideas in Education (IJARIIE)	2395-4396	Vol. 02 / May 2017		<a href="https://pdfs.semanticscholar.org/3636/065ff76ee6e47d49b71d97ac1a472b4abcd1.pdf">https://pdfs.semanticscholar.org/3636/065ff76ee6e47d49b71d97ac1a472b4abcd1.pdf</a>
3	Dr. Shaik. Mahaboob Basha	2	Second Author	A Novel Implementation of Android based Wireless key ACADA System for Autonomous Vehicles using CAN Protocol	Journal of the Instrument Society of India	0970-9983	Vol. 47, No.2 / June, 2017	UGC	
4	Mr. U. Sreenivasulu	3	Main Author	Downlink Scheduling Algorithm For Wi-Max Protocol To Improve QoS	Arabian Journal for Science and Engineering (AJSE)	2193-567X	Vol. 43 / August 2017	Scopus	<a href="https://link.springer.com/article/10.1007/s13369-017-2717-6">https://link.springer.com/article/10.1007/s13369-017-2717-6</a>
5	Ms. D. Nagajyothi	1	Main author	A survey on design development techniques of non-	International journal of advanced scientific technologies, engineering	2454-356X	Vol. 03 / March 2017		<a href="http://www.ijastems.org/wp-content/uploads/20">http://www.ijastems.org/wp-content/uploads/20</a>

				invasive glucometer	and management sciences				<a href="#">17/03/v3.si1_20.A-Survey-on-Design-and-Development-Techniques-of-Non-invasive-Glucometer.pdf</a>
6	Ms. K. Radhika	2	Other	A Hybrid Approach For Microwave Imagery Denoising	International Journal of Computer Technology and Applications (IJCTA)	0974-5572	Vol. 09 / September 2016	Scopus	<a href="https://serialsjournals.com/abstract/78322_75.pdf">https://serialsjournals.com/abstract/78322_75.pdf</a>
7	Ms. K. Radhika	2	Main Author	A Tutorial on Classification of Remote Sensing Data	International Research Journal of Engineering Technology (IRJET)	2395-0056	Vol. 03 / August 2016	UGC	<a href="https://www.irjet.net/archives/V3/i8/IRJET-V3I8161.pdf">https://www.irjet.net/archives/V3/i8/IRJET-V3I8161.pdf</a>
8	Dr. P. Sreenivasulu	4	Other	Synthetization of Low Power Digital Signal Processor Architecture	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences	2349-7300	Vol. 05 / 2017		<a href="https://www.ijirmps.org/papers/2017/2/166.pdf">https://www.ijirmps.org/papers/2017/2/166.pdf</a>