



**P.B.R. VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Number of papers published by faculty

A.Y.: 2021-22

S. No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	SCI/UGC/SCOPUS
1	Hexagon Shape SIW Bandpass Filter with CSRRs Using Artificial Neural Networks Optimization	Mr R Ranjith Kumar	Progress In Electromagnetics Research C	2022	1937-8719	https://www.jpier.org/PIERL/pier.php?paper=22031901	SCI
2	A compact flower slotted dual band notched ultrawideband antenna integrated with Ku band for ultrawideband, medical, direct broadcast service, and fixed satellite service applications	Dr.A.Maheswara Rao	Microwave and Optical Technology Letters	Feb-21	1098-2760	https://www.researcher-app.com/paper/5789353	SCIE
3	Efficient image-based object detection for floating weed collection with low cost unmanned floating vehicles	Dr. A. S. V. Sarma	Application Of Soft Computing	September 2021	13093–13101 (2021)	https://doi.org/10.1007/s00500-021-06171-9(0123456789(.,-volIV)(0123456789(.,-volIV))	SCI
4	Design of Wideband Elliptical Ring Monopole Antenna Using Characteristic Mode Analysis	Dr.A.Maheswara Rao	Journal of Electromagnetic Engineering and Science	2021	671-7263	http://jees.kr/upload/pdf/jees-2021-4-r-37.pdf	SCOPUS
5	Artificial Neural Network Based SIW Bandpass Filter Design Using Complementary Split Ring Resonators	Mr R Ranjith Kumar	Progress In Electromagnetics Research C	2021	1937-8718	https://www.jpier.org/PIERC/pier115/20.21072305.pdf	SCOPUS
6	Performance Analysis and Development of printed circuit Microstrip Patch Antenna with proximity coupled feed at 4.3 GHz (C-band) with linear polarization for Altimeter Application	Dr V Prakasam	International Journal of Computing and Digital Systems (IJCDS)	2021	2210-142X	https://journal.uob.edu.bh/handle/123456789/4205	SCOPUS

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7	Different Feeding Techniques of Elliptical Patch Antenna at X Band for Radar Applications	Dr V Prakasam	International Journal of Computing and Digital Systems	2022	2210-142X	https://journal.uob.edu.bh/handle/123456789/4210	SCOPUS
8	Analyzing the Effect of Uncertainty in Low Power SRAM Cells using Artificial Intelligence Technique	Dr N Satheesh Kumar	Journal of Uncertain Systems	2022	1752 8909	https://www.worldscientific.com/doi/10.1142/S1752890922420016	SCOPUS
9	Analysis of a Compact 4-shaped Annular Ring Ultra Wideband Antenna Using Characteristic Modes	Dr.A.Maheswara Rao	Intl Journal of Electronics and Telecommunications	2022	2081-8491	https://yadda.icm.edu.pl/baztech/element/bwmeta1.element.baztech-77e87446-cc1c-4989-b8b7-9d9b5f5b6f33/c/229_Analysis_of_a_Compact_3399-11428-1-PB.pdf	SCOPUS
10	Tumor Detection In Skin Using Electromagnetic Band Gap Structure Antenna	Dr V Prakasam	International Research Journal of Engineering and Technology (IRJET)	2021	2395-0072	https://www.irjet.net/volume8-issue8	UGC
11	Plant Leaf Detection Using Convolutional Neural Networks	Mr K Penchalaiah	International Journal of Analytical And Experimental Modal Analysis	2021	0886-9367	http://www.ijaema.com/VOLUME-XIII-ISSUE-XII-DECEMBER-2021/	UGC
12	Segmentation Based Image Steganography	Mr K Penchalaiah	Asian Journal of Current Research	2021	2456-804X	https://ikprress.org/index.php/AJOOCR/article/view/7559	UGC
13	FPGA based CHOS based bitwise dynamical PRNG using seed generation	Mr. V.Narayana Reddy	Journal of Information and Computational Science	2021	1548-7741	https://drive.google.com/file/d/1d_XUbFOCDAq2K7TFeVBiH15Kbc8EFBLh/view	UGC
14	Class Oriented Common Object Mapping In Digital Images	Mr K Penchalaiah	Journal of Information and Computational Science	2021	1548-7741	http://www.joics.org/VOL-11-ISSUE-10-2021/	UGC
15	A Novel Approach For Under Water Image Enhancement Using CFA And Robust Retinex Model	Mr K Penchalaiah	Journal of Information and Computational Science	2021	1548-7741	http://www.joics.org/VOL-11-ISSUE-10-2021/	UGC
16	Audio Feature Development for Real-Time Genre Identification in Music	Akurathi Srinivasa Rao	Advanced Engineering Science (AES)	August, 2021	2096-3246	https://advancedengineeringsciences.com/pdf/AES_348.pdf	UGC

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17	Audio Feature Development for Real-Time Genre Identification in Music	R. Venkateswarlu	Advanced Engineering Science (AES)	August, 2021	2096-3246	https://advancedengineeringsciences.com/pdf/AES_348.pdf	UGC
18	Multi-robot systems: a review of pattern formation and adaptation	Dr.S.M.Lakshmi Sr	Advanced Engineering Science (AES)	April, 2022	2096-3246	https://advancedengineeringsciences.com/pdf/AES_350.pdf	UGC
19	Multi-robot systems: a review of pattern formation and adaptation	C.V.Kavya Suvarchala	Advanced Engineering Science (AES)	April, 2022	2096-3246	https://advancedengineeringsciences.com/pdf/AES_350.pdf	UGC
20	Reconfigurable Embedded Systems: A New Take on Hardware/Software Separation	Dr.S.V.Subba Rao	Advanced Engineering Science (AES)	August, 2021	2096-3246	https://advancedengineeringsciences.com/pdf/AES_351.pdf	UGC
21	Reconfigurable Embedded Systems: A New Take on Hardware/Software Separation	D.Likhith Reddy	Advanced Engineering Science (AES)	August, 2021	2096-3246	https://advancedengineeringsciences.com/pdf/AES_351.pdf	UGC
22	Scope and Requirements of a Key Management Framework for a Multiple-Groups Wireless Network	Alla Venka Reddy	International Journal of Computer Networks and Wireless Communications	Dec-21	2250-3501	https://ijcnwc.com/admin/uploads/DEC-2021.pdf	UGC
23	Scope and Requirements of a Key Management Framework for a Multiple-Groups Wireless Network	Koppala Ashok Kumar	International Journal of Computer Networks and Wireless Communications	Dec-21	2250-3501	https://ijcnwc.com/admin/uploads/DEC-2021.pdf	UGC
24	Reconstructing 3D Images in a New Way with ACO-based TVR DART	Dr.M.R.Arun	International Journal of Computer Networks and Wireless Communications	Dec-21	2250-3501	https://ijcnwc.com/admin/uploads/Reconstructing%203D%20Images%20in%20a%20New%20DEC-2021.pdf	UGC

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25	Reconstructing 3D Images in a New Way with ACO-based TVR DART	L. Vasu	International Journal of Computer Networks and Wireless Communications	Dec-21	2250-3501	https://ijcnwc.com/admin/uploads/Reconstructing%203D%20Images%20in%20a%20New%20DEC-2021.pdf	UGC
26	The Effects of Crypto-Hardware on Low-end Internet of Things Performance	Dr.Pasala Raja Prakash Rao	International Journal of Computer Networks and Wireless Communications	Feb-22	2250-3501	https://ijcnwc.com/admin/uploads/FEB-2022.pdf	UGC
27	The Effects of Crypto-Hardware on Low-end Internet of Things Performance	G.Manga Rao	International Journal of Computer Networks and Wireless Communications	Feb-22	2250-3501	https://ijcnwc.com/admin/uploads/FEB-2022.pdf	UGC
28	HELPR: A Cross-Domain Approach to Improving Spoken-Dialog Systems	M.Rama Mohan Reddy	International Journal of Applied Science Engineering and Management	Jul-21	2454-9940	https://ijasem.org/ijasemadmin/upload/ijlbps_645fda88a4941.pdf	UGC
29	HELPR: A Cross-Domain Approach to Improving Spoken-Dialog Systems	M.Sreehari	International Journal of Applied Science Engineering and Management	Jul-21	2454-9940	https://ijasem.org/ijasemadmin/upload/ijlbps_645fda88a4941.pdf	UGC
30	The purpose of this study was to develop a novel IoT-enabled health diagnosis and monitoring model for minors and female students using machine learning to create a secure virtual health environment	Dr.A.S.Viswanadha Sarma	International Journal of Applied Science Engineering and Management (IJASEM)	Oct-21	2454-9940	https://ijasem.org/ijasemadmin/upload/ijlbps_645fdb2d675f5.pdf	UGC

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31	The purpose of this study was to develop a novel IoT-enabled health diagnosis and monitoring model for minors and female students using machine learning to create a secure virtual health environment	R.Sravanthi	International Journal of Applied Science Engineering and Management (IJASEM)	Oct-21	2454-9940	https://ijasem.org/ijasemadmin/upload/ijlbps_645fdb2d675f5.pdf	UGC
32	Symmetric Encryption That Can Be Filtered Using Boolean Expressions And Relied Upon Hardware	L.M.L.Narayana Reddy	Applied Laser Technology	Oct-21	1000-372X	https://appliedlasertechnology.com/admin/uploads/OCT-2021.pdf	UGC
33	Symmetric Encryption That Can Be Filtered Using Boolean Expressions And Relied Upon Hardware	V.Prasannanjaneya Reddy	Applied Laser Technology	Oct-21	1000-372X	https://appliedlasertechnology.com/admin/uploads/OCT-2021.pdf	UGC
34	Hexagonal Nano magnets Capable of Reversing Magnetization	L.M.L.Narayana Reddy	Applied Laser Technology	Mar-22	1000-372X	https://appliedlasertechnology.com/admin/uploads/MARCH-2022.pdf	UGC
35	Hexagonal Nano magnets Capable of Reversing Magnetization	D Umamaheswara Reddy	Applied Laser Technology	Mar-22	1000-372X	https://appliedlasertechnology.com/admin/uploads/MARCH-2022.pdf	UGC
36	Automatic Detection of White Blood Cancer from Bone Marrow Microscopic Images Using Convolutional Neural Networks	Sk.Jabeena	Applied Laser Technology	May-22	1000-372X	https://appliedlasertechnology.com/admin/uploads/MAY-2022.pdf	UGC
37	Automatic Detection of White Blood Cancer from Bone Marrow Microscopic Images Using Convolutional Neural Networks	Sk.Nazma Sulthana	Applied Laser Technology	May-22	1000-372X	https://appliedlasertechnology.com/admin/uploads/MAY-2022.pdf	UGC

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38	A State of the Art Review Of Network and Mobile Communications Technologies	Dr.Dodla Prathyusha Reddy	Applied Laser Technology	Jun-22	1000-372X	https://appliedlasertechnology.com/admin/uploads/A%20STATE%20OF%20THE%20ART%20REVIEW%20%20JUNE-2022.pdf	UGC
39	A State of the Art Review Of Network and Mobile Communications Technologies	J Sujitha	Applied Laser Technology	Jun-22	1000-372X	https://appliedlasertechnology.com/admin/uploads/A%20STATE%20OF%20THE%20ART%20REVIEW%20%20JUNE-2022.pdf	UGC
40	A State of the Art Review Of Network and Mobile Communications Technologies	K Uma	Applied Laser Technology	Jun-22	1000-372X	https://appliedlasertechnology.com/admin/uploads/A%20STATE%20OF%20THE%20ART%20REVIEW%20%20JUNE-2022.pdf	UGC
41	Potential Applications of Bi dispersed Fluid Analysis	Dr.Pasala Raja Prakash Rao	YIDDISH	Jun-21	0364-4308	https://yiddishjournal.com/admin/uploads/Potential%20Applications%20of%20Bi%20-2021.pdf	UGC
42	Potential Applications of Bi dispersed Fluid Analysis	Tunga Gowri Kishore	YIDDISH	Jun-21	0364-4308	https://yiddishjournal.com/admin/uploads/Potential%20Applications%20of%20Bi%20-2021.pdf	UGC
43	An Internet of Things-Friendly, Plug-and-Play Module for Gathering and Sending Data from Nodes	Dr.Dodla Prathyusha Reddy	YIDDISH	Jun-21	0364-4308	https://yiddishjournal.com/admin/uploads/An%20Internet%20of%20Things-Friendly,2021.pdf	UGC
44	An Internet of Things-Friendly, Plug-and-Play Module for Gathering and Sending Data from Nodes	J Sujitha	YIDDISH	Jun-21	0364-4308	https://yiddishjournal.com/admin/uploads/An%20Internet%20of%20Things-Friendly,2021.pdf	UGC

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45	Fast convolution on graphics hardware for high-performance FIR filtering in real time	G.Malyadri	YIDDISH	Mar-21	0364-4308	https://yiddishjournal.com/admin/uploads/Fast%20convolution%20on%20graphics-2021.pdf	UGC
46	Fast convolution on graphics hardware for high-performance FIR filtering in real time	P.Venkateswarlu	YIDDISH	Mar-21	0364-4308	https://yiddishjournal.com/admin/uploads/Fast%20convolution%20on%20graphics-2021.pdf	UGC
47	Fault current limiting devices for a 110 kV/100 MW power network: a comparison of superconducting and conventional technologies	Dr. D. Prathyusha Reddi	International Journal of Mathematical, Modelling, Simulations and Applications	Jul-21	0973-8355	http://ijmmsa.com/previousissue.php?year=2021&issue=3	UGC
48	Gaussian half-duplex cooperative compression for relay channels	G. Sivanjaneya Reddy	International Journal of Mathematical, Modelling, Simulations and Applications	Oct-21	0973-8355	http://ijmmsa.com/previousissue.php?year=2021&issue=4	UGC
49	Sub-synchronous Oscillation in DFIG and SVG: Coordinated Damping Optimization Control	V. Prasannanjaneya Reddy	International Journal of Mathematical, Modelling, Simulations and Applications	Jan-22	0973-8355	http://ijmmsa.com/previousissue.php?year=2022&issue=1	UGC
50	Modifying an Intelligent Video Surveillance System with Multiple Processors	Reddyboina Sateesh	Journal of Bioscience And Technology	2021	0976-0172	https://jbstonline.in/issues.php?id=14	UGC
51	Building a Flexible and Economical Voltage-to-Digital Converter for Medical Equipment	K. Uma	Journal of Bioscience And Technology	2021	0976-0172	https://jbstonline.in/issues.php?id=15	UGC
52	TMS320LF2407A-based digital charger for electric vehicles	Dr. M.R. Arun	Journal of Current Science	Jul-21	9726-001X	https://jcsjournal.com/issues.php?id=16	UGC
53	The use of D.O.A. estimate in communication satellite attitude determination	Dr. S.M. Lakshmi Sr	Journal of Current Science	Oct-21	9726-001X	https://jcsjournal.com/issues.php?id=19	UGC
54	Wind power integration and energy management for vehicle-togrid systems	Ramrajsingh Prathap Singh	Journal of Current Science	Jan-22	9726-001X	https://jcsjournal.com/issues.php?id=20	UGC

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55	Per-core frequency scaling for energy-efficient resource allocation in multicore processors	M. Pavithra	Journal of Current Science	Apr-22	9726-001X	https://jcsjournal.com/issues.php?id=21	UGC
56	Droop-Controlled DC Microgrids: Mesh and Radial Configurations for Improved Load Power Sharing	M. Surekha	Applied GIS	Jul-21	1832-5505	https://appliedgis.net/issues.php?id=107	UGC
57	One switching reluctance motor drive and two inverter-fed induction motor drives were compared in terms of environmental impact and total life cycle cost	M. Rama Mohan Reddy	Applied GIS	Oct-21	1832-5505	https://appliedgis.net/issues.php?id=108	UGC
58	Tolerable False Data Injection Attacks in Smart Grids: Detection through Extended Distributed State Estimation	V. Narayna Reddy	Applied GIS	Jan-22	1832-5505	https://appliedgis.net/issues.php?id=109	UGC
59	Electrical Power Traction Line Fault Localization	A. Srinivasa Rao	Applied Laser Technology	Jul-21	1000-372X	https://appliedlasertechnology.com/issues.php?id=118	UGC
60	Underdetermined blind identification using a generalized generating function, tucker decomposition, and alternating least squares	C.V. Kavya Suvarchala	Applied Laser Technology	Oct-21	1000-372X	https://appliedlasertechnology.com/issues.php?id=119	UGC
61	ISAR imaging at high resolution in the bistatic radar receiver canted region	G. Malyadri	Applied Laser Technology	Jan-22	1000-372X	https://appliedlasertechnology.com/issues.php?id=120	UGC
62	Brushless DC motor speed regulation with a fuzzy PID controller	K Ravi Chandra	History of Medicine Studies	Jun-21	1300-669	https://hmsjournal.com/issues.php?id=124	UGC
63	ECG Task Performance Tuning and IoT Data Compression Optimization Through DynamicDeep Learning	M. Venkata Rathnam	International Journal of Engineering & Science Research	Jul-21	2277-2685	https://ijesr.org/issues.php?id=110	UGC
64	Problems with Sustainable Development Education	M. Pavithra	International Journal of Engineering & Science Research	Oct-21	2277-2685	https://ijesr.org/issues.php?id=111	UGC

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65	Authentication of Data at Every Stage a Deep Learning Model for Protecting Internet of Things Setups	R Sravanthi	International Journal of Engineering & Science Research	Jan-22	2277-2685	https://ijesr.org/issues.php?id=112	UGC
66	Using the MATLAB R Audio System Toolbox™ to Improve a Real-Time Audio Laboratory	Ramrajsingh Prathap Singh	International journal of basic and applied research	Jul-21	2278-0505	https://ijbar.org/previous-issue.php?id=114	UGC
67	Architecture for Fault-Tolerant Embedded Systems	Sk. Jabeena	International journal of basic and applied research	Jul-21	2278-0505	https://ijbar.org/previous-issue.php?id=115	UGC
68	Hand-Held Remotely Operated Robotic Arm	V Phanibhshan	History of Medicine Studies	Jul-21	1300-669	http://hmsjournal.com/admin/uploads/INTERNET%20OF%20THINGS.pdf	UGC
69	The IoT's Potential for Smarter Cities, Farms, and Hospitals	CH. Pavan Kumar	History of Medicine Studies	Jul-21	1300-669	http://hmsjournal.com/issues.php?id=126	UGC
70	An Introduction to Distributed Intelligence and Its Use in MultiRobot Systems	M Sreehari	Journal of Current Science	Apr-22	9726-001X	https://jcsjournal.com/admin/uploads/Distributed%20Intelligence.pdf	UGC
71	The Development of an Efficient Approximate Multiplier Using Rounding Techniques	Gajulapalle Sivanjaneya Reddy	Journal of Current Science	Jan-22	9726-001X	https://jcsjournal.com/admin/uploads/DESIGN%20OF%20AN%20ENERGY%20EFFICIENT%20ROUNDING%20TECHNIQUES.pdf	UGC
72	Using the Internet of Things to Create a Feminine Safety Device	G. Manga Rao	Journal of Current Science	Oct-21	9726-001X	https://jcsjournal.com/admin/uploads/Design%20of%20a%20Smart%20Safety%20Device%20for%20Women%20using%20IoT.pdf	UGC
73	Clock gating and a carry select adder are the foundations of this low-power aluminized copper oxide (Alu) design	Dr. S.V. Subba Rao	Journal of Current Science	Jul-21	9726-001X	https://jcsjournal.com/admin/uploads/Design%20and%20Implementation%20of%20Low%20Power%20Alu%20Using%20Clock.pdf	UGC
74	Chemical design of molecular nanomagnets using data mining, dashboards, and statistics as a strong framework	C.V. Kavya Suvarchala	Journal of Bioscience And Technology	2021	0976-0172	https://jbstonline.in/admin/uploads/Data%20mining,%20dashboards%20and%20statistics%20a%20powerful%20framework%20for%20the%20chemical%20design%20of%20molecular%20nanomagnets.pdf	UGC

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75	Using Internet of Things Data to Boost CRM	D Likhith Reddy	Journal of Bioscience And Technology	2021	0976-0172	https://jbstonline.in/admin/uploads/Customer%20Relationship%20Management%20Improvement%20using%20IoT%20Data.pdf	UGC
76	Histopathological Breast Cancer Image Analysis Using Deep Learning	Dr. A S Viswanadha Sarma	Journal of Bioscience And Technology	2021	0976-0172	https://jbstonline.in/admin/uploads/Deep%20Learning%20Based%20Analysis%20of%20Histopathological%20Images%20of%20Breast%20Cancer.pdf	UGC