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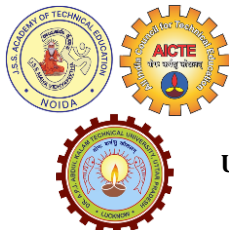
## ELECTRONICS & COMMUNICATION ENGINEERING

### SUMMARY OF PUBLICATION

ITEM	CAYm4 (2020-21)	CAYm3 (2021-22)	CAYm2 (2022-23)	CAYm1 (2023-24)	CAY (2024-25)
WoS (SCI/SCIE/ESCI) Journals	10	9	7	20	1
SCOPUS Journals	5	2	7	7	1
SCOPUS & Other Conferences	5	12	23	7*+10=17	-
PATENT Filed	0	0	2	0	-
PATENT Published	9	7	6	3	-
PATENT Granted	0	1	8	5	-
Book Chapters	4	3	4	1	-
Books	2	1	3	1	-
<b>TOTAL</b>	<b>35</b>	<b>35</b>	<b>60</b>	<b>54</b>	<b>02</b>

Note:

- \* --accepted for Scopus Indexed Conference.



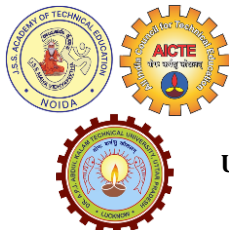
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## ELECTRONICS & COMMUNICATION ENGINEERING JOURNAL PUBLICATION

AY: 2024-25		
S. No.	JOURNAL DETAILS	INDEXING
1	S.S. Harsha, <b>Dr. Arun Kumar G.</b> , et. al., "Fuzzy Inference System for Pulmonary Fibrosis Disease Identification Through Chest X-Ray Imaging, Journal of Environmental Protection and Ecology, vol. 25(4), (2024). <b>(Scopus)</b>	(Scopus)
2	<b>Dr. Anuranjan Kansal</b> and V. Saxena, "Comparison of a Few Perturbation Methods to Evaluate Axial Secular Frequencies in a Nonlinear Planar Dual-Frequency Paul Trap," IEEE Transactions on Plasma Science, pages 1-8, July 2024. <b>(SCIE/Scopus)</b> DOI: 10.1109/TPS.2024.3420164.	(Web of Science)
AY: 2023-24		
S. No.	JOURNAL DETAILS	INDEXING
1	<b>Mr. Rahul K Gupta</b> , et.al, "A Single MOS-Memristor Emulator Circuit", Circuits, Systems, and Signal Processing", 43, 54–73, September 2023. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1007/s00034-023-02500-5">https://doi.org/10.1007/s00034-023-02500-5</a>	(Web of Science)
2	<b>Dr. Chandra Shankar</b> , et.al, "OTA Based Mem-capacitor Validation and Implementation Using Commercially Available IC", Intl Journal of Electronics and Telecommunications, Vol. 69, No 3, September 2023. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.24425-ijet.2023.146511/0">https://doi.org/10.24425-ijet.2023.146511/0</a>	(Web of Science)
3	<b>Dr. Ritesh Kumar Jaiswal</b> , et.al, "Performance analysis of full adder and full subtractor using quantum-dot cellular automata", e-Prime - Advances in Electrical Engineering, Electronics and Energy Vol. 6, September 2023. <b>(Scopus)</b> DOI: <a href="https://doi.org/10.1016/j.prime.2023.100279">https://doi.org/10.1016/j.prime.2023.100279</a>	(Scopus)
4	<b>Dr. Deependra Sharma</b> , et.al, "Multiple object localization and tracking based on boosted efficient binary local image descriptor", MethodsX, 11, September 2023. <b>(ESCI/Scopus)</b> DOI: <a href="https://doi.org/10.1016/j.mex.2023.102354">https://doi.org/10.1016/j.mex.2023.102354</a>	(Web of Science)
5	<b>Dr. Anuranjan Kansal</b> , et.al, "Nonlinear Resonance in Dual-Frequency Paul Trap on Account of Hexapole Field Aberrations", IEEE Transactions on Plasma Science, Vol. 51, Issue: 9, September 2023. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1109/TPS.2023.3307348">https://doi.org/10.1109/TPS.2023.3307348</a>	(Web of Science)
6	T. Sharma, A. Kumar, N. Saini, <b>Mr. Rahul Kumar Gupta</b> , "Traffic free Emergency Health corridor", Scientific African, Vol. 22, November 2023. <b>(ESCI/Scopus)</b> DOI: <a href="https://doi.org/10.1016/j.sciaf.2023.e01960">https://doi.org/10.1016/j.sciaf.2023.e01960</a>	(Web of Science)
7	<b>Dr. Gayatri Sakya</b> , <b>Mrs. Monika Malik</b> and <b>Dr. Deependra Sharma</b> , "An exploration of integration of IoT and 5G networks and a fuzzy approach for clustering to enhance the lifetime of such	(Web of Science)



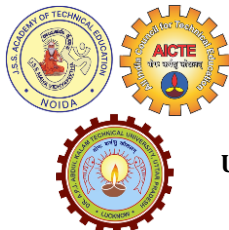
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## ELECTRONICS & COMMUNICATION ENGINEERING

	networks", Journal of Information and Optimization Sciences, Volume 44, Issue 6, November 2023. <b>(ESCI)</b> DOI: <a href="https://doi.org/10.47974/JIOS-1459">https://doi.org/10.47974/JIOS-1459</a>	
<b>8</b>	<b>Mrs. Monika Malik</b> , Alok Joshi and <b>Dr. Gayatri Sakya</b> , "Application of nature inspired optimization algorithm on hierarchal LEACH protocol for improved performance" Journal of Information and Optimization Sciences, Volume 44, Issue 6, November 2023. <b>(ESCI)</b> DOI: <a href="https://doi.org/10.47974/JIOS-1460">https://doi.org/10.47974/JIOS-1460</a>	<b>(Web of Science)</b>
<b>9</b>	<b>Mrs. Monika Malik</b> , Alok Joshi and <b>Dr. Gayatri Sakya</b> , "DC-LEACH: A unique cluster head selection algorithm with improved QoS in real time applications for WSN" Journal of Information and Optimization Sciences, Volume 44, Issue 6, November 2023. <b>(ESCI)</b> DOI: <a href="https://doi.org/10.47974/JIOS-1461">https://doi.org/10.47974/JIOS-1461</a>	<b>(Web of Science)</b>
<b>10</b>	K. Banerjee, <b>Dr. Manoj Joshi</b> , et. al., "Low-Frequency Resistorless Electronically Tunable Quadrature Oscillator Based on an EX-CCCI", Journal of Electronic Materials, Dec 2023. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1007/s11664-023-10814-y">https://doi.org/10.1007/s11664-023-10814-y</a>	<b>(Web of Science)</b>
<b>11</b>	A. Rai., <b>Dr. Manoj Joshi</b> , <b>Dr. Kamal K.U.</b> , et. al., "Realization of chaotic oscillator and use in secure communication", e-Prime - Advances in Electrical Engineering, Electronics and Energy, Volume 6, October 2023, 100321. <b>(Scopus)</b> DOI: <a href="https://doi.org/10.1016/j.prime.2023.100321">https://doi.org/10.1016/j.prime.2023.100321</a>	<b>(Scopus)</b>
<b>12</b>	P. Chaudhary, S.Bansal, <b>Dr. Bharat Bhushan Sharma</b> , et. al., "Waste biomass-derived activated carbons for various energy storage device applications: A review", Journal of Energy Storage, Volume 78, December 2023, 109996. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1016/j.est.2023.109996">https://doi.org/10.1016/j.est.2023.109996</a>	<b>(Web of Science)</b>
<b>13</b>	P. Srivastava, R. K. Sharma, <b>Mr. Rahul K. Gupta</b> , et. al., "New DTMOS based High Frequency Memristor Emulator and its Nonlinear Applications", IEEE Access, Dec 2023, vol. 12, pp. 9195-9205, 2024. <b>(SCIE/Scopus)</b> DOI: 10.1109/ACCESS.2023.3344311	<b>(Web of Science)</b>
<b>14</b>	Dr. Thirtha Prasada H.P., Dr. Basawaraj, <b>Dr. Arun Kumar G.</b> , et. al., "Ball detection process tracking using digital image processing concepts with the help of python software tool utilizing an autonomous 2-DOF mobile robot", Journal of Propulsion Technology, Vol. 44, Issue 4, Oct-Dec. 2023, <b>(Scopus)</b> DOI: 10.52783/tjpt.v44.i4.1838	<b>(Scopus)</b>
<b>15</b>	Dr. N. K. S. Benni, Dr. M. G. Asuti, <b>Dr. Arun Kumar G.</b> , et. al., "Simulation, design, fabrication and computer control of a four axes CRUST 2020 stationary articulated robot selective compliance assembly (SCARA) robotic manipulator arm", Journal of Propulsion Technology, Vol. 44, Issue 4, Oct-Dec. 2023. <b>(Scopus)</b>	<b>(Scopus)</b>



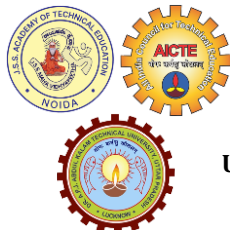
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## ELECTRONICS & COMMUNICATION ENGINEERING

	DOI : 10.52783/tjjpt.v44.i4.1840	
16	Dr. M. G. Asuti, Dr. N. S. Benni, <b>Dr. Arun Kumar G.</b> , et. al., "Fuzzy Logic Controller Design and Implementation for Industrial & Domestic Applications", Journal of Propulsion Technology, Vol. 44, Issue 4, Oct-Dec. 2023. <b>(Scopus)</b> DOI : 10.52783/tjjpt.v44.i4.1842	<b>(Scopus)</b>
17	<b>Dr. Shivaji Sinha</b> , et.al., "Performance evaluation of UAV-assisted FSO link in generalized Malaga distributed atmospheric turbulence conditions", Optical and Quantum Electronics (2023) 55:1161. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1007/s11082-023-05417-0">https://doi.org/10.1007/s11082-023-05417-0</a>	<b>(Web of Science)</b>
18	B. Suresha, <b>Dr. Chandra Shankar</b> , et.al, "A floating memristor emulator for analog and digital applications with experimental results" Analog Integrated Circuits and Signal Processing, Volume 118, pages 77–90, (January 2024). <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1007/s10470-024-02268-x">https://doi.org/10.1007/s10470-024-02268-x</a>	<b>(Web of Science)</b>
19	<b>Dr. Shivaji Sinha</b> , et.al, "Simulative Investigation of MIMO-OFDM-FSOC System over Modified Malaga Distributed Composite Atmospheric Channel", Journal of Scientific & Industrial Research, Vol. 83, 2024. <b>(SCIE/Scopus)</b> DOI: <a href="http://doi.org/10.56042/jsir.v83i2.5331">http://doi.org/10.56042/jsir.v83i2.5331</a>	<b>(Web of Science)</b>
20	Dr. Anil B. C., <b>Dr Arun Kumar G</b> , et.al, "Identifying liver cancer cells using cascaded convolutional neural network and gray level co-occurrence matrix techniques, IAES International Journal of Artificial Intelligence, Volume 13(3), 2024. <b>(Scopus)</b> DOI: <a href="http://doi.org/10.11591/ijai.v13.i3.pp3083-3091">http://doi.org/10.11591/ijai.v13.i3.pp3083-3091</a>	<b>(Scopus)</b>
21	Tarun Gupta, Sonalika, <b>Mr. Rahul K. Gupta</b> , et. al., "A12-bit 1.2 GS/s Current Steering DAC in 45 nm CMOS technology", Journal of circuits systems and Computers, April 2024. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1142/S0218126624502566">https://doi.org/10.1142/S0218126624502566</a>	<b>(Web of Science)</b>
22	S. Bansal, P. Chaudhary, <b>Dr Bharat Bhushan Sharma</b> , et. al., "Review of Mxenes and their composites for energy storage application", Journal of Energy Storage, Volume 87, May 2024. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1016/j.est.2024.111420">https://doi.org/10.1016/j.est.2024.111420</a>	<b>(Web of Science)</b>
23	<b>Dr. Sadhana kumari</b> , et.al, "Design and Analysis of a Novel Broadband Tweaked T-shaped Stub-loaded Quadrature Power-Splitter", Iranian Journal of Science and Technology, Transactions of Electrical Engineering, March 2024. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1007/s40998-024-00711-3">https://doi.org/10.1007/s40998-024-00711-3</a>	<b>(Web of Science)</b>
24	R.K. Dash, <b>Dr. Sadhana Kumari</b> , et.al, "Novel high-gain narrowband antenna based on ENZ SIW structure and shorting pin", Analog Integrated Circuits and Signal Processing, Volume 119, pages 455–462, (2024). <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1007/s10470-024-02267-y">https://doi.org/10.1007/s10470-024-02267-y</a>	<b>(Web of Science)</b>



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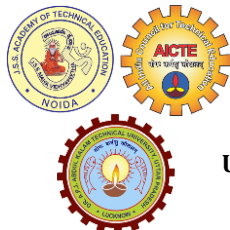
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25	S. Gupta, <b>Dr Chhaya Dalela</b> , et.al, "Dual-Sense Circularly Polarized Stacked Fractal Slotted Antenna for WLAN/Bluetooth System" Wireless Personal Communication, Volume 134, Issue 4, Pages 2013 – 2028, (2024) <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1007/s11277-024-10966-y">https://doi.org/10.1007/s11277-024-10966-y</a>	<b>(Web of Science)</b>
26	Y.V.K. Reddy, R. Sireesha, <b>Dr B.P. Mishra</b> , et.al, "Grey Wolf Optimizer Algorithm for Multio bjective Optimal Power Flow", Journal of Intelligent Systems and Internet of Things, vol. 12, no. 1, 2024, pp. 20-32. <b>(Scopus)</b> DOI: <a href="http://dx.doi.org/10.54216/JISIoT.120102">http://dx.doi.org/10.54216/JISIoT.120102</a>	<b>(Scopus)</b>
27	Sagar, Jagveer Singh Verma, <b>Dr. Manoj Joshi</b> , et.al., "A compact memristor emulator for novel IC applications: Its design and experimental validation", Chaos, Solitons & Fractals, Volume 183, June 2024,. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1016/j.chaos.2024.114824">https://doi.org/10.1016/j.chaos.2024.114824</a>	<b>(Web of Science)</b>
<b>AY: 2022-23</b>		
S. No.	JOURNAL DETAILS	INDEXING
1	<b>Dr. Bharat Bhushan Sharma</b> , et.al, "Novel approach to design matched digital filter with Abelian group and fuzzy particle swarm optimization vector quantization", Information Sciences, Volume 624, January 2023, Pages 686-708. ISSN: 0020-0255. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1016/j.ins.2022.11.137">https://doi.org/10.1016/j.ins.2022.11.137</a>	<b>(Web of Science)</b>
2	<b>Dr. Manoj Joshi</b> , et. al., "A single parametrically controlled megastable multiscroll attractor with an unstable node", The European Physical Journal B. 96, 62, June 2023. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1140/epjb/s10051-023-00535-w">https://doi.org/10.1140/epjb/s10051-023-00535-w</a>	<b>(Web of Science)</b>
3	V. Gupta, A. K. Sharma, P.K. Pandey, <b>Dr. Ritesh Kumar Jaiswal</b> et. al., "Pre-Processing Based ECG Signal Analysis Using Emerging Tools", IETE Journal of Research, May 2023. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1080/03772063.2023.2202162">https://doi.org/10.1080/03772063.2023.2202162</a>	<b>(Web of Science)</b>
4	<b>Mrs. Monika Malik, Dr Gayatri Sakya</b> et. al., "Optimized leach protocol for energy management in wireless sensor network", Multimedia Tools and Applications, July 2023. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1007/s11042-023-16248-2">https://doi.org/10.1007/s11042-023-16248-2</a>	<b>(Web of Science)</b>
5	<b>Mr. Anuranjan Kansal</b> , et. al., "Dynamics Inside a Dual-Frequency Paul Trap in the Presence of Excess Micromotion," in IEEE Transactions on Plasma Science, vol. 51, no. 2, pp. 359-366, Feb. 2023. <b>(SCIE/Scopus)</b> DOI: 10.1109/TPS.2023.3239628	<b>(Web of Science)</b>
6	<b>Mr. Sampath K.V.</b> , et.al, "The novel evaluation scheme for Competency Based Learning, authentic assessment and its implementation strategies for universities of higher education", Journal of Engineering Education Transformations, Volume: 36, 2023, Special Issue: 2, Page: 225-228, 2023, ISSN 2394-1707. Feb. 2023. <b>(Scopus)</b>	<b>(Scopus)</b>





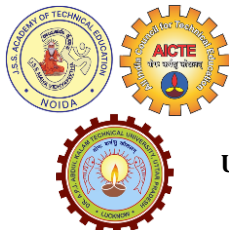
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7	<b>Mr. Shivaji Sinha</b> , et. al, "Capacity Enhancement Analysis of an OAM-OFDM-SMM Multiplexed Free Space Communication System in Atmospheric Turbulence," Applied Sciences, MDPI, vol. 13, no. 6, p. 3897, Mar. 2023, <b>(SCIE/Scopus)</b> DOI: 10.3390/app13063897.	<b>(Web of Science)</b>
8	<b>Dr. Bharat B. Sharma</b> , et.al, "A simulation model for an acoustic effect generator with graphical user interface", Material Today Proceedings, August 2022. ISSN: 2214-7853. <b>(Scopus)</b> DOI: <a href="https://doi.org/10.1016/j.matpr.2022.08.126">https://doi.org/10.1016/j.matpr.2022.08.126</a>	<b>(Scopus)</b>
9	<b>Dr. Bharat B. Sharma</b> , et.al, "Design of a COVID-19 treatment facility in a sustainable health-care environment", Material Today Proceedings, August 2022. ISSN: 2214-7853. <b>(Scopus)</b> DOI: <a href="https://doi.org/10.1016/j.matpr.2022.08.001">https://doi.org/10.1016/j.matpr.2022.08.001</a>	<b>(Scopus)</b>
10	A. Saxena, R. Kumar, J. Singh, G. K. Singh, <b>Mr. Sampath, K.V.</b> et. al., "An Invasive Weed Optimization for Sensor Less Control of Grid Integrated Wind Driven Doubly Fed Induction Generator," IEEE Access, vol. 10, pp. 109082-109096, October 2022. <b>(SCIE/Scopus)</b> DOI: 10.1109/ACCESS.2022.3213982.	<b>(Web of Science)</b>
11	<b>Mr. Harshavardhana, M. N.</b> and S. Tarannum, "Performance analysis of optical spectral amplitude CDMA system unipolar codes with double weight construction design" Journal of Optical Communications, August 2022. <b>(Scopus)</b> DOI: <a href="https://doi.org/10.1515/joc-2022-0110">https://doi.org/10.1515/joc-2022-0110</a>	<b>(Scopus)</b>
12	<b>Mr. Harshavardhana, M. N.</b> and S. Tarannum, "Improve cardinality with two-dimensional unipolar (optical) orthogonal codes for multiple access interference" Journal of Optical Communications, August 2022. <b>(Scopus)</b> DOI: <a href="https://doi.org/10.1515/joc-2022-0108">https://doi.org/10.1515/joc-2022-0108</a>	<b>(Scopus)</b>
13	S. Dwivedi, <b>Mrs. Garima Singh</b> , et. al., "Design and performance analysis of WDM-FSO communication system using Polarization Shift Keying" Journal of Optical Communications, September 2022. <b>(Scopus)</b> DOI: <a href="https://doi.org/10.1515/joc-2021-0141">https://doi.org/10.1515/joc-2021-0141</a>	<b>(Scopus)</b>
14	S. Panda, <b>Dr. Arun Kumar G.</b> , et. al., "IOT based Smart Portable Intensive Care Unit for Patient in Medical Emergency/Critical Conditions", NeuroQuantology, Volume 20, Issue-8, Page 4904-4912, August 2022. <b>(Scopus)</b> DOI: 10.14704/nq.2022.20.8.NQ44515	<b>(Scopus)</b>
<b>AY: 2021-22</b>		
S. No.	JOURNAL DETAILS	INDEXING
1	<b>Dr. Bharat B. Sharma</b> , et.al, "Designing and implementing a smart transplanting framework using programmable logic controller and photoelectric sensor", Energy Reports, Volume: 8, Issue: 9, Page: 430-444. ISSN · 2352-4847. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1016/j.egyr.2022.07.019">https://doi.org/10.1016/j.egyr.2022.07.019</a> .	<b>(Web of Science)</b>



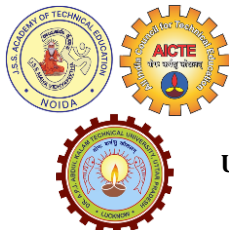
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2	<b>Mr. Anuranjan Kansal</b> , et. al., "Field Imperfection Induced Effects in a Planar Dual Frequency Paul Trap", IEEE Transactions on Plasma Science, Volume: 50, Issue: 4, Page. 791-798. ISSN: 0093-3813. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1109/TPS.2022.3159691">https://doi.org/10.1109/TPS.2022.3159691</a> .	<b>(Web of Science)</b>
3	<b>Dr. Chhaya Grover</b> , N. Turk, "A Novel Fault Diagnostic System for Rolling Element Bearings using Deep Transfer learning on Bispectrum Contour Maps", Engineering Science and Technology, an International Journal, Volume: 31, Sept 2021, Page: 1-12, ISSN: 2215-0986. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1016/j.jestch.2021.08.006">https://doi.org/10.1016/j.jestch.2021.08.006</a>	<b>(Web of Science)</b>
4	S. Gupta, S. Patil, <b>Dr. Chhaya Dalela</b> , et. al., "Circularly polarized parasitic patch slot antenna using I-tree fractal defected ground structure for CA band applications", Frequenz, Volume: 76, Issue: 7-8. Page: 409-419. ISSN: 2191-6349. <b>(Scopus/SCIE)</b> DOI: <a href="https://doi.org/10.1515/freq-2021-0199">https://doi.org/10.1515/freq-2021-0199</a>	<b>(Web of Science)</b>
5	<b>Mr. Deependra Sharma</b> , Z. A. Jaffery, "Multiple Object Tracking through Background Learning" Computer Systems Science & Engineering, Volume:44, Issue: 1, Page: 191-204. ISSN:0267-6192. <b>(Scopus/SCIE)</b> DOI: <a href="https://doi.org/10.32604/csse.2023.023728">https://doi.org/10.32604/csse.2023.023728</a>	<b>(Web of Science)</b>
6	<b>Dr. R. Mayengbam</b> , et. al., "Catalyst-free Synthesis of Hydrophobic ZnO Nanowires for Self-cleaning Applications", Brazilian Journal of Physics, Volume: 52, Issue:3, Page: 1-7. ISSN: 0103-9733. <b>(Scopus/SCIE)</b> DOI: <a href="https://doi.org/10.1007/s13538-022-01118-3">https://doi.org/10.1007/s13538-022-01118-3</a>	<b>(Web of Science)</b>
7	Anmol, <b>Dr. Gayatri Sakya</b> , S. Verma, "Internet of Things Care Device for Visually Impaired and Old People", Journal of Information technology Management, Volume: 14, Issue special, Page: 132-146. ISSN: 2423-5059. DOI: <a href="https://doi.org/10.22059/jitm.2022.86656">https://doi.org/10.22059/jitm.2022.86656</a>	<b>(Scopus)</b>
8	<b>Mr. Sampath K. V</b> , et. al., "Competency Based Education and Continuous Assessment in Laboratory to acquire higher order learning levels: Challenges, Process and Outcomes", Journal of Engineering Education Transformations, Volume: 35, January 2022, Special Issue: 1, Page: 187-193, 2022, ISSN 2394-1707. DOI: <a href="https://dx.doi.org/10.16920/jeet/2022/v35is1/22027">https://dx.doi.org/10.16920/jeet/2022/v35is1/22027</a>	<b>(Scopus)</b>
9	<b>Mrs. Garima Singh</b> , et. al. , "Design of 31 and 37 cores trench-assisted and air-hole assisted multi-core fibre for high-density space-division multiplexing", Journal of Modern Optics, 69:8, 436-441. <b>(Scopus/SCIE)</b> DOI: 10.1080/09500340.2022.2042746	<b>(Web of Science)</b>
10	<b>Mrs. Garima Singh</b> , Gurjit Kaur, "Modeling and Simulation of Molecular Communication Based Nanonetwork Using Finite Shaped Spherical Receiver. Wireless Personal Communication 123, 3065–3079 (2022). <b>(Scopus/SCIE)</b>	<b>(Web of Science)</b>



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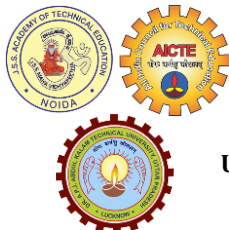
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	<b>DOI:</b> <a href="https://doi.org/10.1007/s11277-021-09277-3">https://doi.org/10.1007/s11277-021-09277-3</a>	
<b>11</b>	<b>Mrs. Garima Singh</b> , Gurjit Kaur, "Development of a Mathematical Model for Multi-user Coded-Cooperation Based Cognitive Radio System and Its Outage Probability Analysis", Wireless Personal Communication, 2413-2430 (2022). <b>(Scopus/SCIE)</b> <a href="https://doi.org/10.1007/s11277-021-09247-9">https://doi.org/10.1007/s11277-021-09247-9</a>	<b>(Web of Science)</b>
<b>AY: 2020-21</b>		
<b>S. No.</b>	<b>JOURNAL DETAILS</b>	<b>INDEXING</b>
<b>1</b>	Gupta, S., Patil, S., <b>Dr. Chhaya Dalela</b> , et. al., "Analysis and design of inclined fractal defected ground-based circularly polarized antenna for CA-band applications", International Journal of Microwave and Wireless Technologies, 13(4), 397-406. <b>(SCIE)</b> DOI: 10.1017/S1759078720001142	<b>(Web of Science)</b>
<b>2</b>	Sonal Gupta, Binod Kumar Kanaujia, <b>Dr. Chhaya Dalela</b> et. al., "Design of circularly polarized antenna using inclined fractal defected ground structure for S-band applications", Electromagnetics, 40:7, 526-540. <b>(SCIE)</b> DOI: 10.1080/02726343.2020.1821336	<b>(Web of Science)</b>
<b>3</b>	Satvik M. Kusagur, <b>Dr. Arun Kumar G.</b> , et. al., "Use of Smart Intelligent Sensor & Actuator Mechanical Materials (PVDF / PZT) in developing MIMO mathematical model of the smart structure and its use to control the active vibrations using discrete sliding mode control theory with output samples", Materials Today: Proceedings, Volume 37, Part 2, 2021, Pages 1592-1602, ISSN 2214-7853. DOI: <a href="https://doi.org/10.1016/j.matpr.2020.07.163">https://doi.org/10.1016/j.matpr.2020.07.163</a> .	<b>(Scopus)</b>
<b>4</b>	Satvik M. Kusagur, <b>Dr. Arun Kumar G.</b> , et. al., "Modelling of smart intelligent materials with PZT & PVDF sensors/actuators to control the active vibrations of flexible aluminum mechanical cantilever beams using proportional integral derivative (PID) techniques", Materials Today: Proceedings, Volume 37, Part 2, 2021, Pages 2075-2082, ISSN 2214-7853. DOI: <a href="https://doi.org/10.1016/j.matpr.2020.07.507">https://doi.org/10.1016/j.matpr.2020.07.507</a> .	<b>(Scopus)</b>
<b>5</b>	<b>Dr. Arun Kumar G, Dr. Spoorti J. Jainar</b> , et. al., "An overview of nano-robots for curing different types of diseases in the field of medical applications", Gedrag & Organisatie, Vol. 33, Issue 3, 2020. DOI: <a href="https://www.doi.org/10.37896/GOR33.03/502">https://www.doi.org/10.37896/GOR33.03/502</a>	<b>(Web of Science)</b>
<b>6</b>	<b>Dr. Arun Kumar G., Dr. Spoorti J. Jainar</b> , et. al., "Development of a novel blind man's stick for disabled persons using inbuilt micro-controller", Gedrag & Organisatie, Vol. 33, Issue 4, 2020. DOI: <a href="https://www.doi.org/10.37896/GOR33.04/012">https://www.doi.org/10.37896/GOR33.04/012</a>	<b>(Web of Science)</b>
<b>7</b>	<b>Mrs. Chhaya Grover</b> , Dr. Neelam Turk, "Optimal Statistical Feature Subset Selection for Bearing Fault Detection and Severity Estimation", Shock and Vibration, Volume 2020, Aug 2020. <b>(SCIE/Scopus)</b> DOI: <a href="https://doi.org/10.1155/2020/5742053">https://doi.org/10.1155/2020/5742053</a>	<b>(Web of Science)</b>





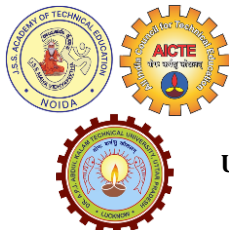
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## ELECTRONICS & COMMUNICATION ENGINEERING

8	A. Tripathi, S. Srivastava, H. Mittal, <b>Mr. Shivaji Sinha</b> et. al., "Multi-Objective ANT Lion Optimization Algorithm Based Mutant Test Case Selection for Regression Testing," Journal of Scientific & Industrial Research, Vol. 80, July 2021, pp. 582-592. <b>(SCIE/Scopus)</b> DOI: <a href="http://op.niscair.res.in/index.php/JSIR/article/view/46077/465479598">http://op.niscair.res.in/index.php/JSIR/article/view/46077/465479598</a>	<b>(Web of Science)</b>
9	<b>Dr. Spoorti J Jainar</b> , et. al., "VAD, feature extraction and modeling techniques for speaker recognition - A review", International Journal of Signal and Imaging Systems Engineering, Vol. No. 12, Issue No. 1/2, Page No.1-18 March-2021. DOI: 10.1504/IJSISE.2020.113552	<b>(Scopus)</b>
10	<b>Dr. Gayatri Sakya, Dr. Chhaya Dalela</b> , et. al., "Machine learning based MAC protocol design for pipeline leakage detection in smart city project", Journal of Discrete Mathematical Sciences and Cryptography, 24:5, 1283-1292. <b>(ESCI/Scopus)</b> DOI: 10.1080/09720529.2021.1932915	<b>(Web of Science)</b>
11	<b>Mrs. Rajeshwari Bhat</b> , et. al., "Effect of integrated power and clock networks on combinational circuits", International Journal of Reconfigurable and Embedded Systems, Vol. No. 9, Issue No. 3, Page No. 242-248, ISSN: 2089-4864, Nov. 2020, DOI: 10.11591/ijres.v9.i3.	<b>(Scopus)</b>
12	<b>Dr. Chandra Shankar</b> , et. al., "SIFO-VM/TIM universal biquad filter using single DVCCTA with fully CMOS realization", Analog Integrated Circuits and Signal Processing (SPRINGER NATURE), Published (online), ISSN:1573-1979,2021. <b>(SCIE /Scopus)</b> DOI: <a href="https://doi.org/10.1007/s10470-021-01900-4">https://doi.org/10.1007/s10470-021-01900-4</a> .	<b>(Web of Science)</b>
13	<b>Mr. K.C. Yatheesh</b> , et. al., "An innovative design of spin transfer torque based ternary content addressable memory with match line sense amplifier", Analog Integrated Circuits and Signal Processing, 107, 637-647 (2021). <b>(SCIE /Scopus)</b> DOI: <a href="https://doi.org/10.1007/s10470-020-01762-2">https://doi.org/10.1007/s10470-020-01762-2</a>	<b>(Web of Science)</b>
14	<b>Mr. Deependra Sharma</b> and Z. A. Jaffery, "Categorical Vehicle Classification and Tracking using Deep Neural Networks", International Journal of Advanced Computer Science and Applications, Vol. 12, No. 9, 2021. DOI: 10.14569/IJACSA.2021.0120964	<b>(Scopus)</b>
15	<b>Mrs. Pooja Pandey</b> , et. al., "A fast and effective vision enhancement method for single foggy image", Engineering Science and Technology, an International Journal, Volume 24, Issue 6, 2021, Pages 1478-1489, ISSN 2215-0986. <b>(SCIE /Scopus)</b> <a href="https://doi.org/10.1016/j.jestch.2021.03.014">https://doi.org/10.1016/j.jestch.2021.03.014</a> .	<b>(Web of Science)</b>



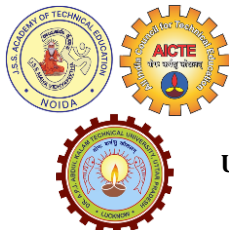
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## ELECTRONICS & COMMUNICATION ENGINEERING CONFERENCE PUBLICATION

AY: 2024-25		
S. No.	CONFERENCE DETAILS	INDEXING
AY: 2023-24		
S. No.	CONFERENCE DETAILS	INDEXING
1	A. Joshi, S. Bansal, <b>Dr. Bharat Bhushan Sharma</b> , "Effect of Annealing Temperature on the Electrochemical Behavior of Hydrothermal Assisted Bismuth Phosphate Nanostructures", 244th ECS Meetings, Oct-23, Gothenburg, Sweden.	-
2	S. Tandon, V. Singh, G. Mishra and <b>Dr Bharat Bhushan Sharma</b> , "Development and Implementation of a BMS", RASESIA-2024, Jun-24, NIT Kurukshetra. (Accepted & Presented)	(Scopus)
3	<b>Dr Bharat Bhushan Sharma</b> , et.al., "Sound Source Localization in Outdoor Environment", RASESIA-2024, Jun-24, NIT Kurukshetra. (Accepted & Presented)	(Scopus)
4	<b>Dr Bharat Bhushan Sharma</b> , et.al., "PQ Event Classification using Multiwavelet Techniques", RASESIA-2024, Jun-24, NIT Kurukshetra. (Accepted & Presented)	(Scopus)
5	S. Choudhary, H. Purohit, <b>Dr. Manoj Joshi</b> , A.M. Laxya, "Optimization for Read Range of Low Frequency RFID System", 2023 International Conference on Computational Intelligence and Sustainable Engineering Solutions (CISES), Aug-23, GLBITM	(Scopus)
6	<b>Mr. Rahul Kumar Gupta</b> , et.al, "A passive floating C-MOS memristor emulator with analog applications", DICCT 2024, Mar-24, Graphic Era Dehradun.	(Scopus)
7	<b>Mrs. Monika Malik</b> , Dr. A. Joshi, <b>Dr. Gayatri Sakya</b> , "Traffic based selection of cluster Head in WSN for IoT Application", ICCICT 2024, Jun-24, JNU DELHI. (Accepted & Presented)	(Scopus)
8	R. Sharma, N. Singh, N. Chauhan, <b>Mrs. Rajeshwari Bhat</b> , "RSA implementation using FPGA", ICSSES 2024, Jun-24, SIT Tumkur. (Accepted & Presented)	(Scopus)
9	<b>Dr Amit Kumar Ahuja</b> , et.al, "Parcel ATM: A Smart Parcel Collection System", International Conference on Artificial Intelligence, Machine Learning & Intelligent Systems, Oct-23, Islamic University of Science and Technology. (Accepted)	-
10	<b>Dr Amit Kumar Ahuja</b> , et.al, "IoT Enabled Live Information Status Indicator for ATMs: An Innovative Solution towards Convenient Banking", International Conference on Artificial Intelligence, Machine Learning & Intelligent Systems, Oct-23, Islamic University of Science and Technology. (Accepted)	-
11	P. Gautam, P. Varshney, <b>Dr Bharat Bhushan Sharma</b> , "Modelling power quality events using MATLAB", IEEE NCEC-2024, Dept. of	



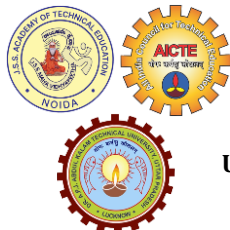
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	E & CE, Dayananda Sagar College of Engineering, Bangalore, Karnataka, 3-5 Jan. 2024.	
12	V. Chaudhary, <b>Dr. Deependra Sharma, Dr. Bharat Bhushan Sharma, Dr. Arun Kumar G.</b> , "Integrated two-stage validation mechanism: a real-time AI-based attendance marking system for educational institutes", IEEE NCEC-2024, Dept. of E & CE, Dayananda Sagar College of Engineering, Bangalore, Karnataka, 3-5 Jan. 2024.	
13	A. Tiwari, R. Dubey, S. Pal, P. Soni, <b>Dr. Bharat Bhushan Sharma, Dr. Arun Kumar G.</b> , "Acoustic based disaster mitigation", IEEE NCEC-2024, Dept. of E & CE, Dayananda Sagar College of Engineering, Bangalore, Karnataka, 3-5 Jan. 2024.	
14	V. Chaudhary, <b>Dr. Deependra Sharma, Dr. Bharat Bhushan Sharma</b> , "A Real Time Ai-Based Attendance Marking System with Validation Mechanism", National Conference on Intelligent Electronic Systems and Applications (NCIESA-2024), NIT Kurukshetra, 23-24, February 2024.	-
15	A. Tiwari, R. Dubey, <b>Dr. Bharat Bhushan Sharma</b> , "Sound Source Localization Based Mitigation System", National Conference on Intelligent Electronic Systems and Applications (NCIESA-2024), NIT Kurukshetra, 23-24, February 2024.	-
16	H. Singh, <b>Mr. Ganesha HS, Dr. Harshavardhana M N</b> , "Integrated Smart Mirror Solutions: Social-Emotional Support, RaspberryPi Integration, & Home Efficiency Improvement", ICDAM 2024, Jun-24, LMU UK.	-
17	T. Aggarwal, S. Varshney, A. Singh, <b>Mrs. Rajeshwari Bhat</b> , "Design and Automation of an Automated Air Purifier", ICIMS 2024, Jun-24, Sahyadri College, Mangaluru, Karnataka.	-
<b>AY: 2022-23</b>		
S. No.	CONFERENCE DETAILS	INDEXING
1	R. Santhikumar, K. Kartillkayani, M. K. Mishra, S. Thota, I. S. Beschi and <b>Dr. B. P. Mishra</b> , "Utilization of Big Data Analytics for Risk Management," 2022 4th (ICIRCA), Coimbatore, India, 2022, pp. 1559-1565. DOI: 10.1109/ICIRCA54612.2022.9985709.	(Scopus)
2	<b>Mr. Shivaji Sinha</b> , et.al, "Investigation of 4x4 Spatial Multiplexed Transceiver FSO Link under Strong Turbulence Condition" 2nd International Conference on Signals, Machines & Automation (SIGMA) 2022, NSUT Delhi. (Accepted for Springer LNEE)	(Scopus)
3	<b>Dr. Gayatri Sakya, Mrs. Monika Malik</b> , "DC-LEACH: A unique Cluster Head Selection Algorithm with Improved QoS in Real time Applications for WSN (JDMSC)" AUTOCOM-22, Dec-22, GEHU Uttarakhand.	(Scopus)
4	<b>Dr. Gayatri Sakya, et.al</b> , "Simulation of Iot Based Landfill Fire Prediction System Using Ns-3.36 Lorawan" AUTOCOM-22, Dec-22, GEHU Uttarakhand.	(Scopus)



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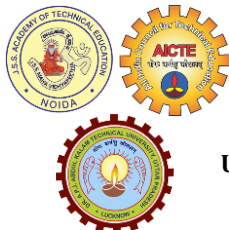
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5	<b>Dr. Gayatri Sakya, et.al</b> , "A novel design of a drain cleaning robotic vehicle" AUTOCOM-22, Dec-22, GEHU Uttarakhand.	(Scopus)
6	<b>Mrs. Ruchi Paliwal, et.al</b> , "Design of Substrate Integrated Waveguide based Triple Band Pass Filter for Ku and K Band Application", ICSC 2022, Dec-2022, IIIT Noida.	(Scopus)
7	<b>Dr. Gayatri Sakya, et.al</b> , "WSN based Intelligent Coal Mine Monitoring using Machine Learning", ICSC 2022, Dec-2022, IIIT Noida.	(Scopus)
8	<b>Mrs. Monika Malik, Dr. Gayatri Sakya</b> , "Various Optimization Algorithms for Enhancing Network Lifetime in LEACH Protocol in WSN", ICSC 2022, Dec-2022, IIIT Noida.	(Scopus)
9	G. S. Jayesh, G. Singh, R. Mishra and <b>Dr. B. P. Mishra</b> , "Management and Access Control Framework for Open Banking Eco System by using Block Chain Technology," 2022 6th International Conference on Electronics, Communication and Aerospace Technology, Coimbatore, India, 2022, pp. 723-726. DOI: 10.1109/ICECA55336.2022.10009535.	(Scopus)
10	<b>Mr. Deependra Sharma, Dr. Bharat Bhushan Sharma, et.al.</b> , "Multiple Object Localization and Tracking based on Boosted Efficient Binary Local Image Descriptor", SOCTA 2022, Dec-2022, HPU Shimla.	(Scopus)
11	<b>Mr. Rakesh Kumar</b> and A. De, "Design of High Gain, Twin-band Antenna with CSRR for 5G Applications," 2022 IEEE SILCON, Silchar, India, 2022, pp. 1-4. DOI: 10.1109/SILCON55242.2022.10028822.	(Scopus)
12	Surchi Gupta, Prastuti Gupta, Divya Srivastava and <b>Mrs. Monika Malik</b> , "Air quality monitoring platform", BITS EEE CON 2022, next generation system and networks, Nov-2022, BITS Pilani. (Accepted)	(Scopus)
13	Nimish Rastogi, Harshita Piyush, Siddhant Singh, Shrishti Jaiswal and <b>Mrs. Monika Malik</b> , "Fuzzy logic Application for Early Landslide Detection", BITS EEE CON 2022, next generation system and networks, Nov-2022, BITS Pilani. (Accepted)	(Scopus)
14	S. Gupta, <b>Dr. Bharat B. Sharma, et.al.</b> , "Scenarios and Modified Interval Based Wind Power Uncertainty Modelling for Decision Making in Electricity Market", PIECON 2023 AMU Aligarh 2023.	(Scopus)
15	<b>Dr. Manoj Joshi, Mr. Rakesh K.</b> , "A new High order Electronically Tunable Oscillator", ICSTE-2023, Feb-2023, NIT Manipur.	(Scopus)
16	<b>Dr. Gayatri Sakya, et.al</b> , "An Intelligent Model for Early fire detection using IOT/LORA in Smart City", ICETCE-2023, Feb-2023, SKIET, Jaipur.	(Scopus)
17	<b>Dr. Sangeeta Mangesh, et.al</b> , "IoT based Smart Posture Correcting Chair Design", AKGEC-2023, Feb-2023, AKGEC, Ghaziabad	(Scopus)





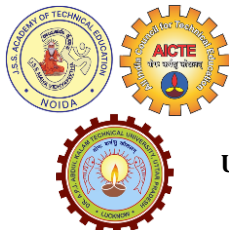
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18	<b>Dr. Garima Singh, et.al</b> , "Design of MIMO based optical network using multicore fiber", I3SET2K22, IIS COE, Feb,2022.	(Scopus)
19	<b>Dr. Kamal K. U., et.al</b> , "Chronic Kidney Disease Classification using Particle Swarm Optimization and Logistic Regression", ICLTEM-Feb, 2023.	(Scopus)
20	<b>Dr. Manoj Joshi, et.al</b> , "Design and Development of self-powered wearable health device for visually impaired person", ICCEMME-2023, GLBITM, Greater Noida.	(Scopus)
21	<b>Mrs. Pooja Pandey, et.al</b> , "Vision Enhancement of Single Foggy Image using CNN," 2022 (AIST), Delhi, India, 2022, pp. 1-4, DOI: 10.1109/AIST55798.2022.10064907.	(Scopus)
22	<b>Mrs. Swati Mishra, M. Agarwal</b> , "Diagnosis and Classification of Cancer using Machine Learning Techniques" IEEE SOLI 2022, December 2 – 4, 2022, Amity University Uttar Pradesh	(Scopus)
23	Shiva Kushwaha, Satvik Kumar, <b>Dr. Bharat Bhushan Sharma</b> , "Arduino based pH sensor for visually impaired as Instructional Technology", ICSCA 2023, May-23, NIT KURUKSHETRA.	(Scopus)
24	Chirag Varshney, Megha Kaushik, Dhvaj Gautam, <b>Dr. Bharat Bhushan Sharma</b> , "Design & Development of Prototype to Assist Visually Impaired for Object Identification", ICSCA 2023, May-23, NIT KURUKSHETRA.	(Scopus)
25	<b>Dr. Bharat Bhushan Sharma, et.al</b> , "Investigation of the Impacts of Aircraft Acoustics", ICSCA 2023, May-23, NIT KURUKSHETRA.	(Scopus)
26	<b>Dr. Bharat Bhushan Sharma, et.al</b> , "Simulation Based Test Rig for Acoustic Source Perception", ICSCA 2023, May-23, NIT KURUKSHETRA.	(Scopus)
27	Aman Joshi, Sonia Bansal, <b>Dr. Bharat Bhushan Sharma</b> , "Hydrothermal Assisted Bismuth Phosphate Nanostructures as an Electrode Material for Energy Storage Device Applications", ICMAT 2023, MRS, Singapore, Jun-23, Suntec City, Singapore	-
28	Divyanshu Pandey, Faizan Ahmed, Prakhar Gupta, <b>Mrs. Rajeshwari Bhat</b> , "Analysis and optimization of 16-bit RISC processor and 32-bit MIPS processor: A review", IEEE CONIT proceedings, Jun-23, KLE University,, Hubballi.	(Scopus)
<b>AY: 2021-22</b>		
S. No.	CONFERENCE DETAILS	INDEXING
1	<b>Mrs. Monika Malik, A. Joshi and Dr. Gayatri Sakya</b> , "Network Lifetime Improvement for WSN Using Machine Learning," 2021 7th ICSC, Noida, India, 2021, pp. 80-84. DOI: 10.1109/ICSC53193.2021.9673190.	(Scopus)
2	S. Shukla and <b>R. Paliwal</b> , "Compact Micro Strip Patch Antenna Design with Enhanced Gain for Wireless Communication" (July 14, 2022). Proceedings of the Advancement in Electronics & Communication Engineering 2022. DOI: <a href="http://dx.doi.org/10.2139/ssrn.4157340">http://dx.doi.org/10.2139/ssrn.4157340</a>	(SSRN Elsevier)



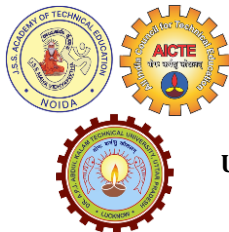
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3	Dr. Bharat B. Sharma, et.al., "Detection and Classification of Multiple PQ Event Using MWT and k-NN Classifier", International Conference on Computing, Networks and Renewable Energy CNRE-2022, June 2022, IKGPTU, Jalandhar, Punjab.	(Scopus)
4	A. Banswar, Dr. Bharat B. Sharma, et.al., "Grid Integration of Renewable Energy Sources in the Indian Power Market for Competitive Evolution", International Conference on Computing, Networks and Renewable Energy CNRE-2022, June 2022, IKGPTU, Jalandhar, Punjab.	(Scopus)
5	A. Banswar, Dr. Bharat B. Sharma, et.al., "Acoustic Perception of Low and High Frequency with Noise", International Conference on Computing, Networks and Renewable Energy CNRE-2022, June 2022, IKGPTU, Jalandhar, Punjab.	(Scopus)
6	A. K. Singh, A. Srivastava, M. Tripathi, Ayushmaan and Dr. Chhaya Dalela, "Real Time Nutrition Detection For Raw Food Using CNN" Proceedings of the Advancement in Electronics & Communication Engineering 2022. DOI: <a href="https://ssrn.com/abstract=4157253">https://ssrn.com/abstract=4157253</a>	(SSRN Elsevier)
7	Mrs. Ruchi Paliwal, et.al., "Design of Compact Double Pass Band SIW Filter Using Coupled Slot for Ku Band Application," 2021 IEEE InCAP, Jaipur, Rajasthan, India, India, 2021, pp. 855-858, DOI: 10.1109/InCAP52216.2021.9726298.	(Scopus)
8	Mr. Ganesha H. S., et.al., "Multi-Layer Heterogeneous Ensemble Model for Human Activity Recognition," 2021 ICSC, Noida, India, 2021, pp. 210-215. DOI: 10.1109/ICSC53193.2021.9673341.	(Scopus)
9	S. Garg, R. Kumar Singh, Mrs. Ruchi Paliwal and S. Yadav, "Dual-Band FSS based Microwave Absorber for WiMAX & WLAN Band Applications," 2021 IEEE InCAP, Jaipur, Rajasthan, India, India, 2021, pp. 879-882. DOI: 10.1109/InCAP52216.2021.9726415.	(Scopus)
10	Mrs. Pooja Pandey, et.al., "Morphological Map based Single Image Defogging," 2021 8th International Conference on SPIN, Noida, India, 2021, pp. 1-5, DOI: 10.1109/SPIN52536.2021.9566044.	(Scopus)
11	Mr. Rahul K. Gupta, et.al., "A Passive Grounded MOSCAP-Memrisor Emulator," 2022 IEEE CONECCT, Bangalore, India, 2022, pp. 1-5, DOI: 10.1109/CONECCT55679.2022.9865831.	(Scopus)
12	A. Saxena, Dr G. M. Patil, et.al., "Environmental and Social Aspects of Microgrid Deployment- A Review," 2021 IEEE 8th UPCon, Dehradun, India, 2021, pp. 1-5. DOI: 10.1109/UPCON52273.2021.9667612.	(Scopus)
<b>AY: 2020-21</b>		
S. No.	CONFERENCE DETAILS	INDEXING



# JSS MAHAVIDYAPEETHA

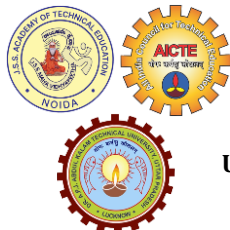
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1	<b>Mr. Sampath Kumar V., A. Noor and Dr. G. M. Patil</b> , "Estimation of Power and Delay Parameters for Reconfigurable Decoders in SRAM by Selective Precharge Schemes," 2020 IEEE (ICCCA), Greater Noida, India, 2020, pp. 369-373, DOI: 10.1109/ICCCA49541.2020.9250882.	<b>(Scopus)</b>
2	<b>Mr. Anuranjan Kansal</b> , et.al., "Unequal Amplitudes of Harmonic Terms in Particle Dynamics inside Paul Trap," 2020 IEEE (INOCON), Bangluru, India, 2020, pp. 1-5, DOI: 10.1109/INOCON50539.2020.9298393.	<b>(Scopus)</b>
3	<b>Mr. Anuranjan Kansal</b> , et.al., "Dynamics of Charged Particles in Dual Frequency Paul trap due to Additional External Forces," 2021 6th (I2CT), Maharashtra, India, 2021, pp. 1-4. DOI: 10.1109/I2CT51068.2021.9418223.	<b>(Scopus)</b>
4	<b>Dr. Chandra Shankar</b> , et.al., "High Input Impedance VM Biquad Filter Using Single Active Element," 2020 (ICSC), Noida, India, 2020, pp. 114-118, DOI: 10.1109/ICSC48311.2020.9182753.	<b>(Scopus)</b>
5	<b>Mrs. Monika Malik, Dr. Gayatri Sakya, Alok Joshi</b> , "Enhancement of LEACH protocol for Real time Applications", IC3 '21:(IC3-2021), 2021, JIIT Noida, UP.	<b>(Scopus)</b>



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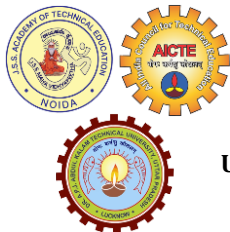
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## ELECTRONICS & COMMUNICATION ENGINEERING BOOK CHAPTER PUBLICATION

AY: 2024-25	
S. No.	BOOK CHAPTER DETAILS
AY: 2023-24	
S. No.	BOOK CHAPTER DETAILS
1	<b>Dr. B. B. Sharma, et.al.</b> , "A Review of Developed Models of Power Supplies For Cardiac Biosensors", IIP Publisher.
AY: 2022-23	
S. No.	BOOK CHAPTER DETAILS
1	S. Samadder, S. Dave, V. Mohan, & <b>Dr. B. B. Sharma</b> , "Fractional Order PID Controller for Tracking Control of SCARA Robot", Empirical Research for Futuristic E-Commerce Systems: Foundations and Applications, (pp. 271-289), IGI Global. DOI: <a href="https://doi.org/10.4018/978-1-6684-4969-1.ch014">https://doi.org/10.4018/978-1-6684-4969-1.ch014</a>
2	D. Saxena, S. Khanna, <b>Dr. S. Mangesh</b> , M. Chaudhry, K.Z. Ghafoor, "Social and Technical Challenges in Eco-Sustainable Smart City in India—An Analysis" Sustainable Smart Cities. Studies in Computational Intelligence, vol 942. Springer. DOI: <a href="https://doi.org/10.1007/978-3-031-08815-5_6">https://doi.org/10.1007/978-3-031-08815-5_6</a>
3	<b>Mrs. P. Pandey</b> , et. al., "Single Image Defogging Algorithm-Based on Modified Haze Line Prior", AISC, vol 1411. Springer, 2022, Singapore. DOI: <a href="https://doi.org/10.1007/978-981-16-6887-6_19">https://doi.org/10.1007/978-981-16-6887-6_19</a>
4	R. Shukla, R. Shrivastava, <b>S. Sinha</b> , et. al., "Incorporation of Secure Channel Communications Over Multi-tenant Database", Emerging Technologies in Data Mining and Information Security. LNNS vol 491. Springer, Singapore. DOI: <a href="https://doi.org/10.1007/978-981-19-4193-1_57">https://doi.org/10.1007/978-981-19-4193-1_57</a>
AY: 2021-22	
S. No.	BOOK CHAPTER DETAILS
1	<b>Dr. B. B. Sharma</b> , et. al., "E-trolley: Design and Simulation for People with Disabilities", CNRE-2022, June 2022, IKGPTU, Jalandhar, Punjab. (Accepted) <sup>#</sup>
2	A. Gupta, D. Sharma, D. Roy, P. Jain and <b>Dr. B. B. Sharma</b> , "Design and Implementation of Automated Smart Doors for Monitoring Body Temperature", CNRE-2022, June 2022, IKGPTU, Jalandhar, Punjab. (Accepted) <sup>#</sup>
3	<b>Sangeeta Singh</b> , et. al., "Efficiency Improvement for Regenerative Braking System for a Vehicular Model Using Supercapacitor". LNEE, vol 768, 2022, Springer, Singapore. DOI: <a href="https://doi.org/10.1007/978-981-16-2354-7_30">https://doi.org/10.1007/978-981-16-2354-7_30</a>
AY: 2020-21	
S. No.	BOOK CHAPTER DETAILS
1	Satvik M. Kusagur, <b>Dr. Arun Kumar G.</b> , T.C. Manjunath, "Emerging Trends in Engineering and Technology – ETET 2020" Magnum Book Publishers", New Delhi-110053, India, Page No. 240-260, 2020. ISBN/ISSN number 978-81-945125-7-8
2	Satvik M. Kusagur, <b>Dr. Arun Kumar G.</b> , T.C. Manjunath, "Efficient Control Algorithms for Vibration Suppression of Different Types of Structures Using





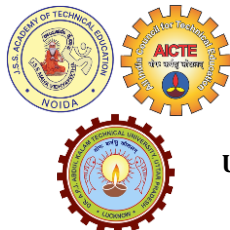
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	Multiple Sensing Techniques" Anvi Book Publishers, New Delhi-110002, India, Page No. 161-177, 2020. ISBN/ISSN number 978-81-941-281-9-9.
3	<b>Sangeeta Mangesh</b> , Vishesh Saxena, Utkarsh Tripathi, and Yamini Gupta," Industry 4.0, AI, and Data Science Research Trends and Challenges", CRC Press, Chapter-7. ISBN/ISSN number 9781003097181.
4	<b>Dr. Gayatri Sakya</b> , Shubhanshu Singh, Shreya Mishra, Shashank Mani Tiwari," Intelligent Invigilation using Video Surveillance", Computer Communication, Networking and IoT, LNNS Vol. No. 197, Page No. 401-411. DOI: <a href="https://doi.org/10.1007/978-981-16-0980-0_37">https://doi.org/10.1007/978-981-16-0980-0_37</a>



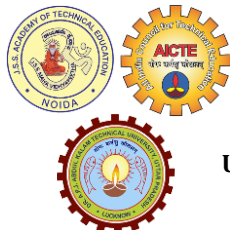
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## ELECTRONICS & COMMUNICATION ENGINEERING BOOKS PUBLISHED

AY: 2024-25	
S. No.	BOOK DETAILS
AY: 2023-24	
S. No.	BOOK DETAILS
1	Dr. Arun Kumar G, Dr. Harshavardhana M N, Mr. Rahul K. Gupta, "Communication Engineering", ISBN: 978-93-5980-161-2.
AY: 2022-23	
S. No.	BOOK DETAILS
1	Dr. Arun Kumar G, Dr. Sangeeta Mangesh K, "Fundamentals of Electronics Engineering", ISBN: 978-93-5777-766-7.
2	Dr. Arun Kumar G, Dr. Sangeeta Mangesh K, "Integrated Circuits". ISBN: 978-93-5773-791-3
3	Dr. Arun Kumar G, et.al., "Analog Communication", Gouthami Publications, ISBN: 978-93-5737-111-7.
AY: 2021-22	
S. No.	BOOK DETAILS
1	Mrs. Suvarna Aradhya, Dr. Vineeta Khemchandani, "Programming Data Structures Using 'C'", AMAZON Kindle Edition, 2021.
AY: 2020-21	
S. No.	BOOK DETAILS
1	Dr. Arun Kumar G, et.al., "8051 Microcontroller", Gouthami Publications, Shivamoga, 2020, ISBN: 9789354199073.
2	Dr. Nagaraja B. G, Dr. Rajesh Maharudra Patil, Dr. Spoorti J Jainar, et.al., "DIGITAL SIGNAL PROCESSING", Gouthami Publications, Shivamoga, 2020, ISBN: 978-93-5426-338-5.



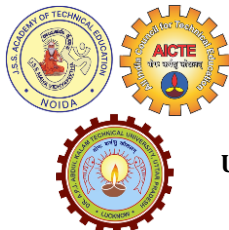
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## ELECTRONICS & COMMUNICATION ENGINEERING PATENT GRANTED DETAILS

AY: 2024-25			
S. No.	PATENT TITLE	Application Number	Grant Date
AY: 2023-24			
S. No.	PATENT TITLE	Application Number	Grant Date
1	A portable USB based solar powered mobile charging device cum hybrid power bank	201611003973	15.01.24
2	Gaze controlled electric iron box	202041046240A	12.01.24
3	An Automatic Garbage Collector Robot	NA	01.01.24
4	An Optical Spectral Amplitude CDMA System and Method for Unipolar Codes with Double Weight Construction (South African Patent)	2023/02619	31.05.23
5	An IOT Based Healthcare System for Predicting Severity Prognosis in Heart Patients using Machine Learning	202111022490	14.05.24
AY: 2022-23			
S. No.	PATENT TITLE	Application Number	Grant Date
1	IOT apparatus for detecting quality and shelf life of processed sea food	201941005285A	03.01.23
2	Single foggy image restoration method and system based on principal component analysis	202211027659A	27.12.22
3	Smart mask	356898-001	06.01.23
4	IOT enabled smart diaper	356650-001	09.01.23
5	Hands-Free Water Tap Mechanism	356926-001	16.03.23
6	LPG Smart Lock	343379-001	02.12.22
7	Portable Bottle with Water Heating, Cooling and Purification Capability	351960-001	19.01.23
8	AI based Pulse Oximeter	357533-001	01.05.23
AY: 2021-22			
S. No.	PATENT TITLE	Application Number	Grant Date
1	Twelve-transistor static ram (SRAM) cell	3062/DEL/2013 A	11.10.21
<b>TOTAL</b>		<b>14</b>	



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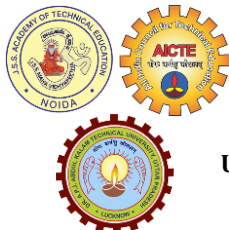
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## ELECTRONICS & COMMUNICATION ENGINEERING PATENT PUBLISHED DETAILS

AY: 2024-25			
S. No.	PATENT TITLE	Application Number	Published Date
AY: 2023-24			
S. No.	PATENT TITLE	Application Number	Published Date
1	Cloud-Based Robotic System for Agriculture Management	202311049158 A	11.08.23
2	Real-Time AI-Enabled Health Monitoring in IOT Wearable Devices	202311054345 A	09.08.23
3	Federated Learning of CNNs For Mango Leaf Diseases Classification	202411003565	09.02.24
AY: 2022-23			
S. No.	PATENT TITLE	Application Number	Published Date
1	A system for field monitoring and data collection implemented as a precision agriculture tool and method thereof	202211067179A	02.12.22
2	Fire prevention and firefighting system for smart city	202211071353A	30.12.22
3	Water supply management system	202231069215A	09.12.22
4	A modern digital framework for cities based on block chain and fog computing technologies	202211073286A	30.12.22
5	A multicore fiber cable and its manufacturing process thereof	202111019824A	03.03.23
6	Detection & monitoring of covid-19 from smart phone& digital Clock & NBSP using intelligent technique	202011049427A	09.09.22
7	Ally: emulating vision to detect, identify and annex the unknown near around by the blind person	202211072860	16.12.22 (Filed)
8	System for Live Information Status Indicator in ATMs	202311040230	13.6.23 (Filed)
AY: 2021-22			
S. No.	PATENT TITLE	Application Number	Published Date
1	Real time implementation of face mask detection and alert system	202241026822A	13.05.22
2	Cognitively controlling utilization of electricity as per contextual preferences of a user	202211020488A	15.04.22
3	Design of smart wireless charging system for electric vehicles using wpt technology	202121007129A	26.02.21
4	IOT based smart healthcare solution for the prognosis of skin cancer using machine learning	202111040153A	10.09.21
5	WSN and internet-of-things (IOT) enabled pipeline leakage detection system and method	202011035583A	25.02.22





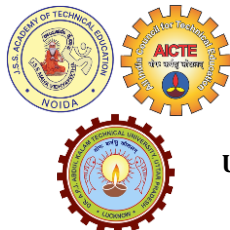
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6	Security threat detection model for agricultural IOT	202241000097A	21.01.22
7	Optimal intelligent controlling and management of electrical vehicle charging	202211007129A	25.02.22
<b>AY: 2020-21</b>			
<b>S. No.</b>	<b>PATENT TITLE</b>	<b>Application Number</b>	<b>Published Date</b>
1	System and method for vibration suppression of different types of structures using multiple sensing techniques using control algorithms	202111021980A	06.04.21
2	Printed circuit board (PCB) prototyping using layout aware probing	202011033134A	16.10.20
3	Method for welding polypropylene polymer using nitrogen gas	202011033133A	16.10.20
4	IOT based smart healthcare solution for predicting severity prognosis in heart patients using machine learning	202111022490A	11.06.21
5	Three-dimensional navigation and data collection mechanism for underwater vehicles using acoustic mapping	202141018722A	30.04.21
6	Autonomous switching & controlling of domestic home appliances in a single switch board within region of 500 meter	201911002166A	28.08.20
7	Surface engineered corrosion free and antibacterial bio-implants	202041040589A	25.09.20
8	Rail tracks and bridge corrosion simulation analysis using multi-body dynamics approach	202041040679A	25.09.20
<b>TOTAL</b>		<b>26</b>	



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## ELECTRONICS & COMMUNICATION ENGINEERING SUMMARY OF NON-SCI Papers

PARAMETER	2021-22	2020-21	2022-23	2023-24	2024-25
<b>Publications</b>	03	03	03	00	--
<b>TOTAL</b>	<b>09</b>				

### DETAILS OF PUBLICATION

S. No.	2024-25
S. No.	2023-24
	NIL
S. No.	2022-23
1	Anjanah D., Astha Kaushal, Animesh Gautam & <b>Dr Arun Kumar G</b> , "CNC Plotter Machine", vol. 10, issue 11, International Journal of Engineering Research & Technology (IJERT), Special Issue – 2022, ISSN: 2278-0181, pp. 357-360.
2	Prateek Maheshwari, Aditi & <b>Dr. Sangeeta Mangesh</b> , "Subjective answer Script Evaluation using Natural Language Processing", (ICISTM-2022), 8-9th July 2022, Panhala, Kohlapur.
3	R. Sharma, N. Varshney, M. Sharma, <b>Ruchi Paliwal</b> "Voice Based Summary Generation using LSTM", International Journal for Research in Applied Science and Engineering Technology (IJRASET), vol. 10, Issue 6, June 2022
S. No.	2021-22
1	Anmol Gupta, <b>Dr. Gayatri Sakya</b> , Suyash Verma, "Internet of Things Care Device for Visually Impaired and Old People", Journal of Information Technology Management, 2022, pp. 132-146
2	<b>Dr. B.P. Mishra</b> , et.al., "Development of a Robust Classifier after Comparison", Journal of Advanced Research in Intelligence Systems and Robotics, Volume3, Issue2- 2021, pp., No. 1-3.
3	<b>Dr. B.P. Mishra</b> , et.al., "Cost Effective Home Automated Solutions", Journal of Advanced Research in Intelligence Systems and Robotics, Volume3, Issue2- 2021, Pg. No. 4-9.
S. No.	2020-21
1	Utkarsh Shukla, Mrityunjay Mishra, Tanya Agarwal, <b>Dr. B.P. Mishra</b> , "Solar Autopilot Drone" Journal of Advanced Research in Power Electronics and Power Systems, vol. 7, Issue 1- 2020, pp.13-23.
2	<b>Dr. B.P. Mishra</b> , et.al., "Mini IR Radar for Unauthorised Object Detection", Journal of Advanced Research in Instrumentation and Control Engineering, Volume7, Issue1-2020, Pg. No. 5-7.
3	<b>Dr. B.P. Mishra</b> , et.al., "Robust Noise Feature Extraction for Efficient Classification", Journal of Advanced Research in Signal Processing and Applications, Volume3, Issue2-2020, Pg. No. 1-5.