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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

R & D Data for A.Y: 2025-2026

S.No	Name of the Faculty	Q1	SCI	ESCI	SCOPUS		Book / Book Chapter	Patent		IPR	Conference Presentation	UGC/ Others
					J	C		P	G			
1.	Dr. B. Ramesh Reddy			1		1						
2.	Dr. G. Srinivasulu		1	3	1		1+1*	1				
3.	Dr.E.V.Krishna Rao					1*		4				
4.	Dr. A. Narendra Babu		1			1		1				
5.	Dr.M.Venkata Sudhakar		3	1				1				
6.	Dr.P.Lachi Reddy						1					
7.	Dr. G.L.N. Murthy	1	3								3	
8.	Dr.B.Poornaiah			1	2							
9.	Dr.B. Rambabu			2								
10.	Dr.P.Rakesh Kumar				1							
11.	Dr.P.Venkata Rao				1	1		1				
12.	Dr.B.Siva Hari Prasad		1					1				
13.	Dr.V.Ravi Sekhara Reddy				1	1		1			2	
14.	Dr.K.Rani Rudrama							1*				
15.	Dr.B.V.N.R. Siva Kumar							2				
16.	Mr.V.V.Rama Krishna				2							
17.	Mr. T. Anil Raju	1				1+1*					1	1
18.	Mr.M.Siva Sankara Rao					1					1	
19.	Mrs.B.Rajeswari					1					1	1*
20.	Mr. P. Venkateswara Rao		1		2							
21.	Mr.M.Sambasiva Reddy										2	1
22.	Mrs.K.Pavani							1				
23.	Mrs.K.Balavani										1	
24.	Mr.N.Dharmachari					1						
25.	Ms.B.Lakshmi Thirupathamma							1				
Total		02	10	08	10	08	02	13			11	2

* Co-Author

Faculty Publications

Q1-02	
1.	GLN Murthy , Ramakoteswararao S, S.Palanivel, "An intelligent multimodal medical image registration using hybrid meta-heuristic optimization with transformer-based residual UNet" in Pattern Recognition , 172(2026), 112708, ISSN:0031-3203



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	https://doi.org/10.1016/j.patcog.2025.112708	<p style="text-align: right;">Q1 Journal Indexed in Scopus and Web of Science</p>
2.	<p>Tella Anil Raju, Maddirala Vijaya Lakshmi Bhavani, Divya Chaturvedi, Tiruganesh Lanka, Goutam Rana, Arvind Kumar, “A Non-Invasive Microwave Imaging System for Breast Tumor Detection using a High Gain Vivaldi Antenna Array Sensor” in IEEE Sensors Journal, ISSN: 1530-437X, July 2025, https://doi.org/10.1109/JSEN.2025.3588605</p>	<p style="text-align: right;">Q1 Journal Indexed in Scopus</p>
3.		
SCI-10		
4.	<p>A Narendra Babu, Peravalli Rahul, Srinivasa rao karumuri, A Srisaila, N Janardhan, V Vijayasri Bolisetty, Rudra Lakshmi Prasanna, Ravi sankar puppala, Girija Sravani Kondaveeti “A Comprehensive Study on Device and Circuit Level Performance of Vertically stacked Doping-Less Nanosheet Field Effect Transistor” in IEEE Access, https://ieeexplore.ieee.org/document/11422859</p>	
5.	<p>Kola Balavani, N.Padmavathy, Nalini Bodasingi, “Review of carbon nanotube on-chip interconnects in RLC prediction using artificial intelligence” in Materials Today Communications, 50, January 2026, 114542 https://doi.org/10.1016/j.mtcomm.2025.114542</p>	
6.	<p>Srinivasulu Gundala, V.N.V. Satya Prakash, Mohammed Mahaboob Basha, S.K.Umar Faruk, V.Madhurima, S³ learning: image enhancement using optimized very deep homomorphic filtering enabled image enhancer, The Imaging Science Journal, September 2025, ISSN:1743-131X https://doi.org/10.1080/13682199.2025.2550060</p>	<p style="text-align: right;">Q4 Journal Indexed in Web of Science and Scopus</p>
7.	<p>V.V. Rama Krishna, Anil Kumar Pallikonda, Eswar Patnala, Jagadeeswara Rao Annam, Shobana Gorintla, , Aruna Vipparla, “Assessing the impact of climate change and glacier retreat on sea level rise, coastal ecosystems, and vulnerable communities”, in Journal of Earth System Science, 134(181), (August 2025) https://www.ias.ac.in/article/fulltext/jess/134/0181</p>	<p style="text-align: right;">Q3 Journal Indexed in Web of Science and Scopus</p>
8.	<p>Putchakayala Venkateswara Rao, Suresh Yamarthi, Balaji Chintala, Rampatruni Rambabu, Bommasani Yellamanda Rao, Pathan Hussain Basha, “Sentiment analysis framework for entropy based product recommendation system” in Knowledge and Information Systems, August 2025, ISSN: 0219-3116 https://doi.org/10.1007/s10115-025-02570-8</p>	<p style="text-align: right;">Q2 Journal</p>



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		Indexed in Scopus
9.	<p>G.L.N.Murthy, Ramakoteswararao S,S.Palanivel, “ATUN-MDC Image registration: Performance enhancement of medical image registration using adaptive TransUNet with multi-dilated convolution model” in Biomedical Signal Processing and Control, 111 (108392), August 2025, ISSN: 1746-8108 https://doi.org/10.1016/j.bspc.2025.108392</p>	Q2 Journal Indexed in Web of Science
10.	<p>G.L.N.Murthy, A.V.R.Mayuri, S.P.Maniraj, M.Duraisamy, Kanika Garg & M.Sangeetha , “TransDense121-UNet:a multi-scale transformer-based approach for accurate liver tumor segmentation” in Evolving Systems,16(96), ISSN: 1868-6478, July 2025 https://doi.org/10.1007/s12530-025-09720-x</p>	Q3 Journal Indexed in Web of Science
11.	<p>G.L.N.Murthy, A.V.R. Mayuri, S.P.Maniraj, M.Duraisamy, , Kanika Garg, M.Sangeetha, “A Novel machine learning framework: cross transformer based optimization model for the detection and classification of brain tumor using clinical decision analysis”, in International Journal of Machine Learning and Cybernetics, July 2025, ISSN: 1868-8071 https://doi.org/10.1007/s13042-025-02727-5</p>	Q3 Journal Indexed in Web of Science
12.	<p>A. Narendra Babu , Girija Sravani Kondavitee, Rapolu Anil Kumar, A. Srisaila, Gandikota Naga Chandrika,Koushik Guha, Jacopo Lannaci, Srinivasa Rao Karumuri, “A novel gate-staggered ferroelectric DM-JLTFET biosensor with T-Channel and L-Activity for label free cancer biomarker detection”, in Microsystem Technologies, ISSN: 0946-7076, July 2025 http://dx.doi.org/10.1007/s00542-025-05905-1</p>	Q3 Journal Indexed in Scopus
13.	<p>M.Venkata Sudhakar, Tathababu Addepalli, T. Vidyavathi,Chandrasekhar Rao Jetti, C. Kumara Narayana Swamy, Sivasubramanyam Medasani, Prasanthi Badugu, Ahmed J. A. Al-Gburi, “A Novel Isolation-Enhanced Four-Element High-Gain Hexa-Band MIMO Antenna for 5G mmWave Systems” in Wireless Personal Communications, ISSN: 1572-834X, January 2026 https://doi.org/10.1007/s11277-025-11899-w</p>	Q3 Journal Indexed in Web of Science
14.	<p>M.Venkata Sudhakar, Tathababu Addepalli, T. Vidyavathi, K. S. Chakradhar, Manumula Srinubabu, Sivasubramanyam Medasani, Prasanthi badugu & A. J. A. Al-Gburi, “A Novel Single-Element High-Directive-Gain Dual-Band Antenna for 5G mm-Wave 28/38 GHz Applications” in Journal of Infrared, Millimeter, and Terahertz Waves, ISSN: 1866-6906, March 2026 https://doi.org/10.1007/s10762-026-01122-7</p>	Q2 Journal Indexed in Web of Science



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15.	<p>M.Venkata Sudhakar, Y. Ravi Sankaraiah, B. Bhaskar Reddy, P. Raghava Reddy, “FinFET-based fully differential Butterworth filter using a multipleinput dynamic threshold OTA for low-power biomedical signal processing” in Analog Integrated Circuits and Signal Processing, ISSN: 1573-1979, February 2026 https://doi.org/10.1007/s10470-026-02565-7</p>	<p>Q4 Journal Indexed in Web of Science</p>
16.	<p>Siva Hari Prasad Bondili, V. N. Koteswara Rao Devana, Saritha Vanka, V. N. Sukanya Doddavarapu, Siva Hari Prasad Bondili, Taj Mohamm, Vishnu Vardhana Reddy Karna · Sridevi Gamini, Savanam Chandra Sekhar, Dalia H. Elkamchouchi, “Compact Polyimide Fan-Shaped Multi-Slotted Wideband Flexible Antenna for Sub-6 GHz IoT Applications” in Wireless Personal Communication, ISSN: 1572-834X, January 2026 https://dl.acm.org/doi/10.1007/s11277-026-11920-w</p>	<p>Q2 Journal Indexed in Web of Science</p>
ESCI-08		
1.	<p>Rambabu Busi, Talam Satyanarayana, M. Harshada, Miranji Katta, “Design and Development of Piezoresistive Microcantilever for Biosensing Applications”, Journal of Active and passive Electronic Devices, 20(2), pp.149-157, April-2026, ISSN:1555-029X https://www.oldcitypublishing.com/journals/japed-home/japed-issue-contents/japed-volume-20-number-2-2026/japed-20-2-p-149-157/</p>	<p>Q4 Journal Indexed in Web of Science</p>
2.	<p>Srinivasulu Gundala, Kandukuri Muniraja Manjunath, P. Deepthi Jordhana, Mohammed Mahaboob Basha, Ovidiu Petru Stan, “Self-sustained boost drive-current level shifter for time critical applications” in Results in Engineering, ISSN: 2590-1230, March 2026 https://doi.org/10.1016/j.rineng.2025.108706</p>	<p>Q1 Journal Indexed in Web of Science</p>
3.	<p>Bojja Ramesh Reddy, T.Jayachandra Prasad, M.Chennakesavulu, Vadde Seetharama Rao, Shaik Kashif Hussain, “Optimized High Speed Design of Arithmetic BCD Block Utilizing Complementary MOS Process”, Journal of Active and passive Electronic Devices, 19, pp.283-299, December-2025, ISSN:1555-029X https://www.oldcitypublishing.com/journals/japed-home/japed-issue-contents/japed-volume-19-number-4-2025/japed-19-4-p-283-299/</p>	<p>Q4 Journal Indexed in Web of Science</p>
4.	<p>B.Poornaiah, K. Saujanya, A. Kamala Kumari and Y. Srinivasa Rao, “Development of Piezoresistive Strain Sensors Using Nanocomposite on Flexible Substrates: A COMSOL Multiphysics Simulation Study” in Journal of Active and Passive Electronic Devices, 19.4, pp.139-155, December-2025, ISSN:1555-029X https://www.oldcitypublishing.com/journals/japed-home/japed-issue-contents/japed-volume-19-number-4-2025/japed-19-4-p-329-339/</p>	



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		Q4 Journal Indexed in Web of Science
5.	<p>Srinivasulu Gundala, Ramaswamy T, S.P.V.Subba Rao, A.Saketh, B.Sathwik Goud, K.Varshith Reddy, “Implementation of Energy and EDP Efficient Full Adder Circuits for Computing Systems” in Journal of Active and Passive Electronic Devices, 19.1, pp.139-155, October 2025, ISSN:1555-029X https://www.oldcitypublishing.com/journals/japed-home/japed-issue-contents/japed-volume-19-number-2-2025/japed-19-2-p-139-155/</p>	Q4 Journal Indexed in Web of Science
6.	<p>Srinivasulu Gundala, Mohammed Mahaboob Basha, Ramaswamy T, Jerry K.Paul, P.Sumanth, G.Hari Kishore Reddy, “Development of Li-Fi Enabled EV to EV Wireless Charging Communication System, in Journal of Active and Passive Electronic Devices, 19.1, pp.67-80, October 2025, ISSN:1555-029X https://www.oldcitypublishing.com/journals/japed-home/japed-issue-contents/japed-volume-19-number-1-2025/japed-19-1-p-67-80/</p>	Q4 Journal Indexed in Web of Science
7.	<p>Busi Rambabu, Chinnala Pavan Kumar, K Sivani, Kotte Sowjanya, “Homogeneous and Heterogeneous Dual/Double Gate TFETs: Exploring High-k Materials and Thickness variations”, Journal of Active and Passive Electronic Devices, 19, August 2025, ISSN: 1555-0281, pp.1-21 https://www.oldcitypublishing.com/journals/japed-home/japed-issue-contents/japed-volume-19-number-1-2025/japed-19-1-p-1-21/</p>	Q4 Journal Indexed in Web of Science
8.	<p>M.Venkata Sudhakar, “Development of the Photonic Radar for Under-Water Autonomous Vehicle Applications” in Journal of Active and Passive Electronic Devices, ISSN: 1555-029X, December 2025 https://www.oldcitypublishing.com/journals/japed-home/japed-issue-contents/japed-volume-19-number-4-2025/japed-19-4-p-271-282/</p>	Q4 Journal Indexed in Web of Science
SCOPUS-10		
1.	<p>V V Rama Krishna, Dr. R Boopathi, Dr. Kalyanapu Srinivas, Dr. N Pushpalatha, V Lakshmi Sailaja, Dr. A Muthukrishnan, Shaik Jilani Basha, Dr. R Balamurugan, “Evaluating QAOA and QSVM for Optimization and Machine Learning on Classical and Quantum” in Journal of Theoretical and Applied Information Technology, 104 (6), pp.199-209, March 2026, ISSN: 1992-8645 https://doi.org/10.5281/zenodo.19366503</p>	Indexed in Scopus



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2.	<p>A Narendra Babu, Deepti Bhargava, R. K. N. R. Manepalli, M. C. Rao, P. Venkata Ramana Rao, N. S. Subba Rao, A. Narendra Babu, P. Sree Brahmanandam, “Hydrothermal synthesis and defect-driven optical characterization of CdS nanoparticles for semiconductor and solar applications” in International journal of applied power engineering, Vol. 15, No.1, pp.440–448, March-2026, ISSN:2252-8792</p> <p>DOI: http://doi.org/10.11591/ijape.v15.i1.pp440-448</p>
3.	<p>Venkat Rao Pasupuleti, Shaik Janbhasha , Venkateswarlu Sunkari, Dipanwita Debanath , Aketi Naresh , Lakshmana Talapakula , Jutu Gopaiah, Rohith Bala Jaswanth B, “ Integrating Adversarial Autoencoders with Gated Recurrent Units to identify Anomalies in ECG signal” in Journal of Theoretical and Applied Information Technology, 104 (5), March 2026, ISSN: 1992-8645</p> <p>https://doi.org/10.5281/zenodo.19128169 Indexed in Scopus</p>
4.	<p>Prathipati Rakesh Kumar, Challa Ramakrishna, Kavuri Vijayachandra, Pamarthi Sunitha, Chaitanya K. Marpu, “A compact comb shaped Wearable Antenna for Biomedical applications” in Progress In Electromagnetics Research C, Vol. 165, pp.228–238, February-2026, ISSN:1937-8718</p> <p>Indexed in Scopus</p>
5.	<p>V. Ravisekhara Reddy, P.Suriya, P Susmithabhashini, Eerla Rajesh, Kaladi Govindaraju, Anantha Rao Gottimukkala, Srija Gundapaneni, K Swetha, “ Federated Learning for privacy preserving machine learning in internet of things IOT networks challenges solutions and Future Directions in Journal of Theoretical and Applied Information Technology, 104 (2), January 2026, ISSN: 1992-8645</p> <p>Indexed in Scopus</p>
6.	<p>Venkateswara Rao Puchakayala, Shahnaz Fatima, Vatsala Anand, Thondupunoori Padmavathi, Relangi Anil Kumar, Gudivada Abraham Arun Kumar,Utla Surya Bhadra Kanaka Mahalaxmi, “Enhanced Sum Rate in IRS-THz System using Hybrid Iterative Optimization Algorithm” in Passer Journal of Basic and Applied Sciences, 7(2), 2025,pp.1131-1140,ISSN:27065952 November2025</p> <p>Indexed in Scopus</p>
7.	<p>Poornaiah Billa, Kamireddy Vijay CHandra, E.K.Mounika, Swathi Sambangi, D.Manju, Syeda Sadia Fatima, N.Syamala, “AI-Powered Specular Image Analysis For Corneal Endothelium Dystrophy Profiling” in Journal of Theoretical and Applied Information Technology, ISSN:1992-8645, July 2025</p> <p>https://www.jatit.org/volumes/Vol103No13/10Vol103No13.pdf</p> <p>Indexed in Scopus</p>
8.	<p>Poornaiah Billa, Kamireddy Vijay CHandra, A.Joy Pranahitha, D.Manju, Swathi Sambangi, P.Sampurna Lakshmi, N.Syamala, “Advanced Image Analysis of Corneal Endothelial Dystrophies using Artificial Intelligent Convolution filters” in Journal of Theoretical and Applied Information Technology, ISSN:1992-8645, July 2025</p> <p>https://www.jatit.org/volumes/Vol103No13/15Vol103No13.pdf</p> <p>Indexed in Scopus</p>



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9.	<p>E.V.Krishna Rao, Eswararao Boddepalli, SV Jagadeesh Chandra, K Srinivasa Yadav, P Sasanka, “Efficient Physical Design Techniques for High-Speed, Area-Optimized 12x12 Multiplier Using CSA” in Tuijin Jishu/Journal of Propulsion Technology, 46(4), ISSN: 1001-4055 https://www.propulsiontechjournal.com/index.php/journal/article/view/10074</p>
10.	<p>Vijaya Rama Krishna, Koteswara Rao Kodepogu, Eswar Patnala, Jagadeeswara Rao Annam, Shobana Gorintla, Veerla, Vipparla Aruna, Vijaya Bharathi Manjeti, Anil Kumar Pallikonda, “Ensemble Machine Learning for the classification and prediction of Mellitus Diabetes” in International Information and Engineering Technology Association Ingénierie des Systèmes d’Information, 30(7), July 2025, pp.1685-1691,ISSN: 2116-7125 https://doi.org/10.18280/isi.300701 Indexed in Scopus</p>
11.	<p>Srinivasulu Gundala, P.Bhuvaneswari, V.Madhurima, Mohammed Mahaboob Basha, Mohan Dholvan, “Detection of Parkinson’s Disease using Voice and spiral Drawings on Machine Learning Approaches” in Engineering Access, 11(2), 2025, (July-December) ISSN:2730-4175 https://ph02.tci-thaijo.org/index.php/mijet/article/view/254301/172335 Indexed in Scopus</p>
12.	<p>Venkateswara Rao P, Navya Kailasam, Srilatha Yalamati, V.S.N.Murthy,R.Anil Kumar, K. Jayaram Kumar, “Optimized Task Offloading in D2D-Assisted Cloud-Edge Networks using Hybrid deep reinforcement learning”, in International Journal of Basic and Applied Sciences, 14(2), 591-602, July 2025, ISSN: 2227-5053 http://dx.doi.org/10.14419/xm2ebp25 Indexed in Scopus</p>
SCOPUS Conference Proceedings-08	
1.	<p>Vuppuloori Ravi Sekhara Reddy, Rahul R V, Nunna Venkata Sai, Sita devi Baratula, “Gesture controlled mobile robotic arm with vision-based object retrieval of differently abled”, in IEEE International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2025 held during 06-12-2025 to 07-12-2025 at NIT Puducherry, Karaikal. ISBN: 979-8-3315-7120-7 (Online March 2026) Doi: 10.1109/IConSCEPT66142.2025.11437058 Indexed in Scopus</p>
2.	<p>Tella Anil Raju, Goparaju Praharsitha, Munakala UdayKiran, Padakala Deswanth, “Deep Learning Approaches for Real-Time AQI Prediction and Classification”, in 3rd IEEE International conference on Artificial Intelligence in Healthcare, Education & Industry” at Datta Meghe Institute of Higher Education & Research, DMIHE(DU), Nagpur during 28-11-2025 to 29-11-2025, ISBN: 979-8-3315-6862-7 (Online February 2026) Doi: 10.1109/IDICAIHEI65991.2025.11378366 Indexed in Scopus</p>
3.	<p>B.Rajeswari, G.S.L. Narasimha Swamy. B. Rushma Devi. D.L. Bhupathi Rao,T. Anil Raju,E.V. Krishna Rao., “Hybrid 3D CNN and Differential CRF Model for Accurate Brain Lesion Segmentation using RTX 3060 GPU”, in 3rd IEEE International conference on Artificial Intelligence in Healthcare, Education & Industry” at Datta Meghe Institute of Higher Education</p>



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	<p>& Research, DMIHE(DU), Nagpur during 28-11-2025 to 29-11-2025, ISBN: 979-8-3315-6862-7 (Online February 2026) Doi: 10.1109/IDICAIHEI65991.2025.11377552 Indexed in Scopus</p>
4.	<p>M.Sivasankara Rao, Pendyala V Muralidhar, B.Rama Rao, A. S. Srinivasa Rao, D.Nataraj, K S Chakradhar, "Fractional Spectral Adaptive Filtering for Robust Compressive Sensing: Rational Discrete Fractional Transform-LMS Recovery and Air-Comp Application", in 9th International Conference on Electronics, Communication and Aerospace Technology (ICECA-2025), organised by RVS Technical Campus, Coimbatore, India, 05-11-2025 to 07-11-2025, ISBN: 979-8-3315-9929-4 (Online February 2026) Doi: 10.1109/ICECA66444.2025.11383210 Indexed in Scopus</p>
5.	<p>M.Sambasiva Reddy, Tejonder Kaur, K Dhana Sree Devi, Gurpreet Kaur, Ankita, Mukesh Soni, "A Survey of Applications for wireless sensor networks in Smart Cities", in International Conference on Technology Advances for Green Solutions and Sustainable Development (ICT4GS-2024), during 09-08-2025 to 10-09-2025 at NIST University, Berhampur, Odisha, India, (Online October 2025) https://link.springer.com/chapter/10.1007/978-3-031-94997-5_1</p>
6.	<p>Venkat Rao Pasupuleti, Shaik Rabbani Basha, G. Sushma, Syed Nafees Ahamed, P.Venkateswarlu Reddy, D. Ganesh, "IoT based Wildlife Intrusion Detection and Alert System using Sensor Fusion and AI for Agricultural Protection" in 2025 International Conference on Sustainable Communication Networks and Application (ICSCN) at Theni, India, during 15-10-2025 to 17-10-2025 (Online December 2025) https://doi.org/10.1109/ICSCN67106.2025.11308491 Indexed in Scopus</p>
7.	<p>N.Dharmachari Sai Vyshnavi Danda, Saurabh Kesari, Shashank Kumar Singh, Jayaraj U Kidav, M.K.Lingamurthy, "Design and Implementation of reliable fault-tolerant data transmission using triple modular redundancy and CRC-based error detection" in 2025 International Conference on Next Generation Information System Engineering (NGISE) during 28-03-2025 to 29-03-2025 (Online July 2025) https://doi.org/10.1109/NGISE64126.2025.11085298 Indexed in Scopus</p>
8.	<p>Ramesh Reddy Bojja, Ravi Kumar Saidala, Satyanarayanareddy Marri, Umeshreddy, Chethana R M, Prabhu Shankar B, "Real-Time Neural Network System for Identifying isual Learners from Raw EEG data", in 2024 International Conference on Advances in Computing, Communication and Materials (ICACCM) during 22-23 November 2024 (Online July 2025), Tula's Institute, Dehradun, India, ISBN: 979-8-3503-6797-3 https://doi.org/10.1109/ICACCM61117.2024.11059002 Indexed in Scopus</p>



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9.	Tella Anil Raju, B.Rajeswari , Meghana Palagani, Allam Papa Rao, “Deep Learning based Lung cancer classification with chest X-Ray” in International Conference on Evolutionary Artificial Intelligence, at Taylors university, Malaysia, Part of Book Series: Algorithms for Intelligent Systems, (Online July 2025) , pp.541-557, ISBN: 978-981-96-5210-5 https://link.springer.com/chapter/10.1007/978-981-96-5210-5_38
10.	A. Narendra Babu , S.Sridevi, K. Tarakeswara Rao, Jayashree Das, Subrata Kumar Das, M. Rajesh Yadav, P.S.Brahmanandam, “Rainfall prediction using CAPE and surface temperatures in three major indian cities” AIP Conference Proceedings, July 2025 , 3298, 040030 (2025), ISSN: 0094-243X https://doi.org/10.1063/5.0279355

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1.	G.L.N.Murthy “Detection of voice disorders using machine learning with data augmentation” in 8 th IEEE International Conference on Devices, circuits and systems (ICDCS’26) held at Karunya Institute of Technology and Sciences, Coimbatore, India, during 27-03-2026 to 28-03-2026.
2.	Vuppuloori Ravi Sekhara Reddy , “Context-Aware AI tutoring model integrating emotion recognition for personalized learning in remote education platform” in IEEE 2025 International Conference on Nexgen Networks and Cybernetics (IC2NC) held at Nandha Engineering College, Erode, India, during 01-12-2025 to 03-12-2025.
3.	Vuppuloori Ravi Sekhara Reddy , Gesture controlled mobile robotic arm with vision-based object retrieval of differently abled in 2025 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication, IConSCEPT 2025 held during 06-12-2025 to 07-12-2025 at NIT Puducherry, Karaikal.
4.	M.Sambasiva Reddy , “A Warning Sysem for Detection of child in a Locked vehicle”, in 2025 IEEE 3rd International Symposium on Sustainable Energy Signal Processing and Cybersecurity during 06-11-2025 to 08-11-2025 at GIET University, Gunupur, Odisha, India.
5.	M.Sambasiva Reddy , “Levaraging software-defined wireless networks for intelligent resource management in 5G and beyond wireless networks” in International Conference on Computing and Communication Networks (ICCCNet-2025) at Manchester Metropolitan University, Manchester, United Kingdom during 01-08-2025 to 03-08-2025
6.	T.Anil Raju , “Deep Learning approaches for Real-Time AQI prediction and classification, in 3 rd IEEE International conference on Artificial Intelligence in Healthcare, Education & Industry” at Datta Meghe Institute of Higher Education & Research, DMIHE(DU), Nagpur during 28-11-2025 to 29-11-2025
7.	B.Rajeswari , “Hybrid 3D CNN and differential CRF model for accurate brain lesion segmentation on RTX 3060 GPU” in 3 rd IEEE International conference on Artificial Intelligence in Healthcare, Education & Industry at Datta Meghe Institute of Higher Education & Research, DMIHE(DU), Nagpur during 28-11-2025 to 29-11-2025
8.	M.Sivasankara Rao , “Fractional Spectral Adaptive Filtering for Robust Compressive Sensing: Rational Discrete Fractional Transform- LMS Recovery and Air-Comp Application” at 9 th International Conference on Electronics, Communication and Aerospace Technology, ICECA



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	2025, organised by RVS Technical Campus, Coimbatore, India , 05-11-2025 to 07-11-2025.
9.	G.L.N.Murthy , Ch.Yagnitha, Sk.Nafia, J.Divya Latha, “LSTM and CNN based Speech Emotion Recognition- A new paradigm in deep learning” in 6th IEEE India Council International Subsections Conference organized by IEEE Rourkela Subsection and IEEE India Council held at National Institute of Technology, Rourkela from 21 st to 23 rd August 2025
10.	G.L.N.Murthy , “Improved Sleep Sage Classification using Machine Learning with data augmentation, at 5 th International conference on Soft Computing for Security Applications organized by Dhirajlal Gandhi college of Technology, Salem, Tamilnadu on 04-08-202 to 06-08-2025
11.	K.Balavani , N.Bhavyasri Alekhya, Sk.Khaza Ahamed Mohiddin, M Madhuri, “Design of floating point multiplier using exact algorithm” in 16th International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT) , 06-07-2025 to 11-07-202, IIT Indore, Madhya Pradesh, India.

Book Chapter-02

S.No	Authors	Title	Publisher	Date of Publish	ISBN
1	Gundala Srinivasulu, Mohammed Mahaboob Basha,V. Madhurima	EDP-Efficient Level Shifters for Super Threshold Voltage Level Shifting Applications (Pages: 165-189)	Wiley , Scrivener Pubisher	28-08-25	9781394275168
2	P. Lachi Reddy, Srinivasulu Gundala, Mohammed Mahaboob Basha,	Exploring CMOS, PTL and GDI Logic Families Based One Bit Full Adder and Subtractor Circuits in Subthreshold Region for Energy and EDP Efficient Applications (Pages: 229-266)	Wiley , Scrivener Pubisher	28-08-25	9781394275168