



Faculty of Engineering & Technology (Co-Edu.)
Department of Electronics & Communication Engineering
Faculty Conference Publications Details

Sl.No	Published Date	Details
1.	16-18 March 2026	Preeti, Shashidhar Sonnad, "Multimodality You Only Look Once Fusion Network and Generative Adversarial Network for Object Detection Using Visible and Infrared Images", International Conference on Intelligent Computing and Control Systems (ICICCS), 16 -18 March 2026.
2.	2-4 March 2026	Sandeep, Dr. Shashidhar Sonnad, "Pixel-Based Self-Supervised Super-Resolution Enabled Dual Learning Network for Hyperspectral Image Preprocessing and Vegetation Classification", Proceedings of the Second International Conference on Multi-Agent Systems for Collaborative Intelligence (ICMSCI-2026), 2-4 March 2026.
3.	20-21 Feb 2026	Harshavardhan, "A metamaterial driven dual band patch antenna for 5G and Other wireless Applications", 3 rd international conference on integrated intelligence and communication Systems (ICIICS-2026), 20-21 Feb 2026
4.	21-23 Jan, 2026	Sangeeta M. K, Shivkumar S Jawaligi, "M2SA-D2LM: Multi-Level Attention-Enabled Drift- Based Deep Learning Model For Road Traffic Congestion Detection", 5 th International Conference on Communication, Computing and Electronics Systems (ICCCES 2026), from 21-23 Jan, 2026.
5.	21-23 Jan. 2026	<u>Sharanabasav Hosamani, Shashidhar Sonnad, "DAIUNet: Distributed Attention Enabled Deep Learning Model for Medical and Satellite Image Denoising"</u> , 5th International Conference on Communication, Computing and Electronics Systems (ICCCES), 21-23 Jan. 2026.
6.	07-09 Jan 2026	Dr. Rangayya, "Design of a Probabilistic Link Adaptation Model for Fifth Generation Millimeter-Wave Networks using Adaptive Modulation and Coding and Channel Prediction to Minimize HARQ Retransmissions", 7th International Conference on Mobile Computing and Sustainable Informatics (ICMCSI), 07-09 Jan 2026
7.	1-3 Dec 2025	Sandeep, Dr. Shashidhar Sonnad, "Contrastive Incremental Learning Enabled U-Netbased Segmentation Model for Vegetation Classification using Remote Sensing Images", Proceedings of 2025 International Conference on NexGen Networks and Cybernetics (IC2NC), 1-3 Dec 2025
8.	1-3 Dec 2025.	Pawan Kumar C Patil, Dr. Shashidhar Sonnad "IncHS2: Incremental Learning Enabled Hybrid Attention based Deep Learning Model for Land Use and Land cover Segmentation using Remote Sensing Images", Proceedings of 2025 International Conference on NexGen Networks and Cybernetics (IC2NC), 1-3 Dec 2025.
9.	01-03 December 2025	<u>Sharanabasav Hosamani, Shashidhar Sonnad, "HBeONet: Hybrid Bald Eagle Optimized Distributed Attention-based Unet Model for Medical and Satellite Image Denoising"</u> , 2025 International Conference on NexGen Networks and Cybernetics (IC2NC), Erode, India, 01-03 December 2025.
10.	30-31 Aug 2025	Harshavardhan "A metamaterial Inspired Antenna for Sub 6 GHz 5G Application", International Conference on Intelligent Thinking in



		Technology. Science & Management (i Think 2025), 30-31 Aug 2025.
11.	May 4-6, 2026	Preeti, Shashidhar Sonnad, "Object Detection Using Dynamic Channel with Multiscale Attention Enabled Generative Adversarial Network Model", International Conference on Signal, Systems, and Computing for Next-Gen Automation (ICSSCNA - 2026), May 4-6, 2026.
12.	02 to 03-01-2025	Vilaskumar Patil, "Optimization Of Spectrum Sensing Parameters In Cognitive Radio Enviornments ", 2024 International Conference On Communication and Signal Processing (COMSIGPRO-2024) Ballary, India.
13.	15 to 17-10-2024	Anurag vijay agarwal, Vilaskumar Patil, "A Hybrid Approach To Optimal Power Allocation in MIMO-NOMA: Integrating DGNN And Tyrannosaurus Optimization", 2024 International Conference On Sustainable Expert Systems (ICSES) Kaski, Nepal.
14.	07-08-2024	C. G. Revati and R. R. Patil, "MIMO Antenna Design Using SR And DGS Based Decoupling Network," 2024 International Conference on Knowledge Engineering and Communication Systems (ICKECS), Chikkaballapur, India, 2024, pp. 1-5, doi: 10.1109/ICKECS61492.2024.10617227.
15.	25 to 27-05-2024	Dr.Vilaskumar Patil, "Design Of Hybrid Full Adder/Subtractor Using Reversible Logic", 2024 International Conference On Recent Trends In AI, Iot, Machine Learning, Image Processing And Their Applications (ICAIMI-2024) Bidar, India.
16.	25-01-2024	Gurudev Zalki, Dr. Mohammed Bakhar "Design and Analysis of Microstrip Patch Antenna Array for IoT Applications" National Conference on Science, Technology, Engineering & Management 2023-24 SVERI's College of Engineering Pandharapur, Maharashtra.
17.	24 to 25-11-2023	Sanjeevkumar. Jeevangi, Jy Sunita, Shivkumar Jawaligi and Vilaskumar Patil, "Spectrum Sensing In Cognitive Radio Networks Using Deep Learning", 2023 International Conference On Integrated Intelligence And Communication Systems (ICIICS) Kalaburagi, India.
18.	24 to 25-11-2023	Vilaskumar Patil, "Cooperative Communication By Using Cognitive Radio Networks", 2023 International Conference On Integrated Intelligence And Communication Systems (ICIICS-2023) Kalaburagi, India.
19.	24 to 25-11-2023	A. Yalasatti, V. Patil, M. Aspalli, J. Patil and S. Chippalkatti, "Control Strategies and Converter Configurations in EV application," 2023 International Conference on Integrated Intelligence and Communication Systems (ICIICS), Kalaburagi, India, 2023, pp. 1-6, doi: 10.1109/ICIICS59993.2023.10421112.
20.	06 to 08-07-2023	Mahesh R K, Shivkumar Jawaligi "A Brief Review On Optimal Routing In Vehicular Ad-Hoc Network", 2023 14 th International Conference On Computing Communication And Networking Technologies (ICCCNT) Delhi, India.
21.	12-05-2023	S. Sonnad, R. Raman, D. Singh, K. Pant, B. Rawat and G. U. Sri, "Managing Techniques, Strategy, Validation, and Dataset for Harmful Threats Detection in IoT Networks: A Critical Review," 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), Greater Noida, India, 2023, pp. 1485-1489, doi: 10.1109/ICACITE57410.2023.10183211.
22.	29 to 30-04-2023	S. Korishetty and S. S. Jawaligi, "Cluster Enabled Routing Algorithm for



		Wireless Sensor Networks: An Optimization and Future Prospective," 2023 International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE), Ballar, India, 2023, pp. 1-4, doi: 10.1109/ICDCECE57866.2023.10150802.
23.	29-04-2023	Gurudev Zalki, Dr. Mohammed Bakhar "Circular Polarized Microstrip Patch Antenna Array For Wireless Communication Applications" National Conference on Advances in Electronics, Communication & Computing (NCAECC-2023) Guru Nanak Dev Engineering College Bidar, Karnataka.
24.	16-12-2022	S. Sonnad, M. Awasthy, K. Rane, M. Banerjee, D. Buddhi and B. Pant, "Blockchain-Based Secure Mengers Authentication for Industrial IoT," 2022 11th International Conference on System Modeling & Advancement in Research Trends (SMART), Moradabad, India, 2022, pp. 853-858, doi: 10.1109/SMART55829.2022.10046934.
25.	14-12-2022	S. Sonnad, M. Sathe, D. K. Basha, V. Bansal, R. Singh and D. P. Singh, "The Integration of Connectivity and System Integrity Approaches using Internet of Things (IoT) for Enhancing Network Security," 2022 5th International Conference on Contemporary Computing and Informatics (IC3I), Uttar Pradesh, India, 2022, pp. 362-366, doi: 10.1109/IC3I56241.2022.10072475.
26.	20 to 21-11-2022	Vilaskumar Patil, "Comparative Study Of Single Stage And Two Stage Spectrum Sensing In Cognitive Radio", International Conference of IEEE North Karnataka Subsection Vijaypur, India.
27.	20-11-2022	S. Jeevangi, S. Jawaligi and V. Patil, "Comparative Study of Single Stage and Two Stage Spectrum Sensing in Cognitive Radio," 2022 IEEE North Karnataka Subsection Flagship International Conference (NKCon), Vijaypur, India, 2022, pp. 1-5, doi: 10.1109/NKCon56289.2022.10126679.
28.	01-07-2022	Jagadeesh Patil and Dr.S.N.Mulgi "A Novel Stand-Alone Solar Power With Lithium Battery to Supply an Uninterrupted Power for IOT/WSN Circuits" IETE and ISTE Sponsored National Conference On Recent Innovations In Multidisciplinary Research (NCRIMR-2022), Kalaburagi, India.
29.	22 to 24-06-2022	D. S. Uplaonkar, Virupakshappa, Rangayya and N. Patil, "A Survey on Automated CAD System of Liver Tumor using US Images," 2022 7th International Conference on Communication and Electronics Systems (ICCES), Coimbatore, India, 2022, pp. 1515-1520, doi: 10.1109/ICCES54183.2022.9835914
30.	09 to 11-05-2022	Rangayya, Virupakshappa, D. S. Uplaonkar and N. Patil, "A Brief Survey on Segmentation and Classification Techniques for Face Recognition," 2022 International Conference on Applied Artificial Intelligence and Computing (ICAAIC), Salem, India, 2022, pp. 1038-1043, doi: 10.1109/ICAAIC53929.2022.9792655.
31.	29-12-2021	Gurudev Zalki, Dr. Mohammed Bakhar "Design and Analysis of 2x1 and 4x1 Microstrip Array Antennas for Wireless Applications" International Conference on Advances in Communication and Computing Technology (ICACCT-2021) Guru Nanak Dev Engineering College Bidar, Karnataka.
32.	07 and 08-07-	Vilaskumar Patil, "Spectrum Sensing in Cognitive Radio Network: A



	2021	Survey", Second International Conference on Futuristic Trends In Embedded Systems and Networking (ICFTEN 2021), Ballari, India.
33.	07 to 08-07-2021	Mahesh R K "Study of Clustering in Vehicular Ad-Hoc Networks (Vanets) and Clustering Based Efficient Data", 2021 2 nd International Conference on Futuristic Trends in Embedded Systems and Networking (ICFTEN-2021) Ballari, India.
34.	15 and 16-12-2020	Vilaskumar Patil, "A Cooperative Optimal Rule Selection Scheme for Mitigating Cognitive User Time in Cognitive Radio Network", Second International Conference On Adaptive Computational Intelligence (ICACI-2020) under IQAC Mysuru, India.
35.	06 to 07-11-2020	S. Ambesange, V. A, R. Uppin, S. Patil and V. Patil, "Optimizing Liver Disease Prediction with Random Forest by various Data balancing Techniques," 2020 IEEE International Conference on Cloud Computing in Emerging Markets (CCEM), Bengaluru, India, 2020, pp. 98-102, doi: 10.1109/CCEM50674.2020.00030.
36.	08 and 10-10-2020	Ambesange, Nadagoudar, Uppin, Vilaskumar M Patil, "Liver Diseases Prediction using K-Nearest Neighbor With Hyper Parameters Tuning" IEEE Bangalore Humanitarian Technology Conference (B-HTC) 2020.
37.	12-08-2020	Gurudev and Dr. Mohammed Bakhar, "Design and Analysis of 2x1 and 4x1 Microstrip Patch Array Antenna for 5G C-Band Access Point Applications" 2020 National Conference on Advances in Electronics, Computing and Communication Technology(AIECC), Bidar, India, 2020.
38.	14-04-2020	Zalki, G., Bakhar, M., Salma, A., Hani, U. (2020). An Appraisal on Microstrip Array Antenna for Various Wireless Communications and Their Applications. In: Hu, YC., Tiwari, S., Trivedi, M., Mishra, K. (eds) Ambient Communications and Computer Systems. Advances in Intelligent Systems and Computing, vol 1097. Springer, Singapore. https://doi.org/10.1007/978-981-15-1518-7_13
39.	26 and 27-04-2019	Revanasiddappa Kinagi, Ravi M Yadahalli, Siddarama Patil, Vilaskumar Patil, " A Novel Compact Microstrip Patch Antenna with Enhanced Bandwidth and Dual Band for Wireless Applications", 2019 International Conference on Emerging Trends in Engineering, Technology and Management ICETETM-2019, Hosapete, India.
40.	29-08-2018	Rangayya, Amrapur, B. (2019). Active Contour Model Applied to Segmentation of Human Face. In: Saini, H., Singh, R., Patel, V., Santhi, K., Ranganayakulu, S. (eds) Innovations in Electronics and Communication Engineering. Lecture Notes in Networks and Systems, vol 33. Springer, Singapore. https://doi.org/10.1007/978-981-10-8204-7_4