

1. Number of quality publications in refereed/SCI Journals, for Academic Year (2024–2025)

Sr. No	Name of staff	Title of Paper	Journal Name	Index
1	Dr. Sanjay Koli	Smart Gas/Water Leakage Detection System for Pipes Laying in Ground or in a Wall	Communications on Applied Nonlinear Analysis	Scopus
2	Dr. Saniya Ansari	Enhanced Urban Infrastructure Management: IoT-Based Smart Manhole Monitoring System	Journal of Advances in Information Technology, ISSN: 1798-2340	SCI, Scopus
3	Dr. Saniya Ansari	AI-Driven Voice-Controlled Cocktail Dispenser for Improved Automation and Custom Beverage Customization	Journal of Advances in Information Technology, ISSN: 1798-2340	SCI, Scopus
4	Dr. Saniya Ansari	A Comprehensive Study on Modern Electronic Technologies in the Field Based Engineering Industry	Journal of Mines, Metals and Fuels, ISSN: 0022-2755, Vol 73 (2)	Scopus
5	Dr. Saniya Ansari	The Role of Internet of Things, Cloud Computing, Artificial Intelligence and Robotics in the Fourth Industrial Revolution	Journal of Mines, Metals and Fuels, Print ISSN: 0022-2755	Scopus
6	Dr. Saniya Ansari	An Extensive Study of Nanomaterial and Nanotechnology in the Various Fields of Engineering	Journal of Mines, Metals and Fuels, Print	Scopus
7	Dr. Saniya Ansari	Web based IoT System for Monitoring and Visualizing Qualitative and Quantitative Data of River	Communications on Applied Nonlinear Analysis	Scopus
8	Sonal Nikam	Assessing Dragon Fruit Pulp Health Through Machine Learning and Deep Learning	Journal of Information Systems Engineering & Management, 2025, 10(14s) e-ISSN: 2468-4376,	Scopus
9	Dr. Vinay Jagdish Nagalkar	Assessing Dragon Fruit Pulp Health Through Machine Learning and Deep Learning	Journal of Information Systems Engineering & Management, 2025, 10(14s) e-ISSN: 2468-4376,	Scopus
10	Dr. Swati Shailesh Khawate	Women Safety Night Patrolling Robot in IoT	Communications on Applied Nonlinear Analysis ISSN: 1074-133X Vol 32 No. 10s (2025)	Scopus

11	Dr. Swati Shailesh Khawate	Evaluating The Efficiency of RNN Model for Real Time Fruit Disease Detection	Frontiers in Health Informatics, 13 (3), 1524-1532 ISSN-Online: 2676-7104	Scopus
12	Dr. Swati Shailesh Khawate	Detailed Plant Disease Identification Through a Neural Network and Deep Learning	Frontiers in Health Informatics, 13 (3), 1524-1532 ISSN-Online: 2676-7104	Scopus
13	Dr. Kanchan Vaidya	A Comprehensive Study on Modern Electronic Technologies in the Field Based Engineering Industry	Journal of Mines, Metals and Fuels, ISSN: 0022-2755, Vol 73 (2)	Scopus
14	Dr. Ankush Kadu	A Comprehensive Study on Modern Electronic Technologies in the Field Based Engineering Industry	Journal of Mines, Metals and Fuels, ISSN: 0022-2755, Vol 73 (2)	Scopus
15	Sagar Dhawale	GreenGuard: Emission Monitoring System over cloud for Metro city	International Journal for Research in Applied Science & Engineering Technology	Peer Review
16	Sagar Dhawale	YOLO Based Approach for Helmet and Number Plate Detection Using Raspberry Pi	International Research Journal of Innovations in Engineering and Technology (IRJIET)	Peer Review

2. Number of quality publications in refereed/SCI Journals, for Academic Year (2023– 2024)

Sr. No.	Name of staff	Title of Paper	Journal Name	Index
1	Dr. Sanjay Koli	Enhanced Classification of Sugarcane Diseases Through a Modified Learning Rate Policy in Deep Learning	IIETA, Traitement du Signal	Scopus
2	Dr. Sanjay Koli	Novel energy efficient RND inverter using quantum dot cellular automata in nanotechnology	Scientific Reports, Sci Rep 14, 190 (2024)	Scopus
3	Dr. Sanjay Koli	Enhanced deep learning technique for sugarcane leaf disease classification and mobile application integration	Heliyon	Scopus
4	Dr. Sanjay Koli	A Solution to VLSI: Digital Circuits Design in Quantum Dot Cellular Automata Technology	International Journal of Electrical and Electronics Research	Scopus
5	Dr. Sanjay Koli	Area, power efficient Vedic multiplier architecture using novel 4:2compressor	Sādhanā (2023)	Scopus
6	Dr. Sanjay Koli	Enhancing sugarcane disease classification with ensemble deep learning: A comparative study with transfer learning techniques	Heliyon 9 (2023)	Scopus
7	Dr. Sanjay Koli	Flip Flops Design in Quantum Dot Cellular Automata Technology: Towards Digitization	International Journal on Recent and Innovation Trends in Computing and Communication, 11(6), 151–158.	Scopus
8	Dr. Sanjay Koli	Squaring Circuit Using 14nmFinFET Technology with Vedic Mathematics Approach	IETE Journal of Research, 70(10), 7980–7988	Scopus
9	Dr. Saniya Ansari	AI-Driven High-Precision Model for Blockage Detection in Urban Wastewater Systems	Electronics 2023, Vol-12, 3606, Publisher: MDPI,	Sci
10	Dr. Saniya Ansari	Smart Restaurant System	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
11	Dr. Saniya Ansari	Weather Logger for Research and Education	International Journal of Innovative research in	Peer Review

			Science, Engineering and Technology	
12	Dr. Saniya Ansari	River Cleaning Bot Using IOT	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
13	Dr. Saniya Ansari	IOT Enabled RC Boat Water Pollution Monitoring Using GSM & GPS	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
14	Dr. Saniya Ansari	Cotton Picker Fire Detection System	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
15	Dr. Saniya Ansari	Intelligent Lifebuoy Based on Machine Vision Using Raspberry PI	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
16	Dr. Saniya Ansari	AI Voice Command & Keypad Based Cocktail Making Machine Using Raspberry PI	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
17	Dr. Saniya Ansari	Suraksha Sakhi: IoT Device for Women Safety	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
18	Prajakta Khairnar	Smart City Base Waste Management System Using IOT	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
19	Prajakta Khairnar	Solar Powered Smart Agriculture System	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
20	Prajakta Khairnar	Echotron: Voice Controlled Personal Assistant	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
21	Ashwini Bagde	Resume Parsing Web-App Using AI	International Journal of Innovative research in Science, Engineering and Technology	Peer Review

22	Ashwini Bagde	IoT and AI Implementations on Remote Healthcare Monitoring System	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
23	Kalpita Mane	Smart Restaurant System	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
24	Kalpita Mane	Weather Logger for Research and Education	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
25	Kalpita Mane	River Cleaning Bot Using IOT	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
26	Kalpita Mane	Raspberry PI Based Android Controlled Surveillance Robot	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
27	Manjusha Patil	Lora-WSN Based IOT Frame Work For Precision Agriculture	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
28	Manjusha Patil	A Review Paper on Soldier Health Monitoring & Position Tracking System	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
29	Manjusha Patil	A Water-Quality Monitoring System Based on Web- Server-Embedded Technology	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
30	Manjusha Patil	Smart Fingerprint Based Vehicle Authentication with Alcohol Alert	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
31	Riyaj Kazi	Smart Restaurant System	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
32	Riyaj Kazi	Weather Logger for Research and Education	International Journal of Innovative research in Science, Engineering and Technology	Peer Review

33	Riyaj Kazi	River Cleaning Bot Using IOT	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
34	Riyaj Kazi	Milk Vending Machine	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
35	Swati Khawate	IOT IV Bag Monitoring and Health Observation Alert System	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
36	Swati Shailesh Khawate	Advancing Roadway Safety through Intelligent Directional Vehicle Indicators	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
37	Swati Shailesh Khawate	A Comprehensive Survey of Plant Disease Detection Using Machine Learning and Deep Learning	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
38	Seema Khamankar	Anti-Sleep Alarm for Drivers	International Journal of Innovative research in Science, Engineering and Technology	Peer Review
39	Monali Shirsath	Lora-WSN Based IOT Frame Work For Precision Agriculture	International Journal of Innovative research in Science, Engineering and Technology	Peer Review

3. Number of quality publications in refereed /SCI Journals, Citations in Academic Year (2022–2023)

Sr. No.	Name of staff	Title of Paper	Journal Name	Index
1	Dr. Sanjay Koli	DeepHands: Dynamic hand gesture detection with depth estimation and 3D reconstruction from monocular RGB data	Sādhanā (2022) 47:247	Scopus
2	Dr. Sanjay Koli	Effective and efficient approach for gesture detection in video through monocular RGB frames	Multimedia Tools Appl, Volume 82, pages 17231–17242	Scopus
3	Dr. Sanjay Koli	Video based Gesture Vocalizer (VGV) for Dumb Person	International Journal of Scientific Research in Science, Engineering and Technology	Peer Review
4	Dr. Sanjay Koli	Smart Bike Using IoT	International Journal of Scientific Research in Science, Engineering and Technology	Peer Review
5	Dr. Saniya Ansari	S-BIRD: A Novel Critical Multi-Class Imagery Dataset for Sewer Monitoring and Maintenance Systems	Sensors 2023, 23, 2966.	Sci
6	Dr. Saniya Ansari	Design Study of Smart Robotic Framework for Sewer Conservation	International Journal of Engineering Trends and Technology	Scopus
7	Dr. Saniya Ansari	Water Pollution Monitoring and Detection Techniques: A Review	International Journal of Scientific Research in Science, Engineering and Technology	Peer Review
8	Dr. Saniya Ansari	A Novel Approach Towards Development of Automated Intelligent Lifesaving Buoy	International Journal of Scientific Research in Science, Engineering and Technology	Peer Review
9	Dr. Saniya Ansari	Hand Sign Translator Using CNN	International Journal of Innovative Science and Research Technology	Peer Review

10	Prajakta Khairnar	IOT based Smart Farm Monitoring System Using Raspberry PI and Arduino Uno	International Journal of Scientific Research in Science, Engineering and Technology	Peer Review
11	Prajakta Khairnar	Machine Learning Based Heart Disease Prediction System	International Journal of Scientific Research in Science and Technology	Peer Review
12	Ashwini Bagde	IOT Based Smart Kitchen System	International Journal of Scientific Research in Science, Engineering and Technology	Peer Review
13	Ashwini Bagde	Design and Development of An Automatic Water Tank Cleaner using Sensors: A Review and an Approach	International Journal of Innovative Science and Research Technology,	Peer Review
14	Kalpita Mane	Real Time Health Monitoring System Based On IOT	International Journal of Scientific Research in Science, Engineering and Technology	Peer Review
15	Riyaj Kazi	Remote Green House Monitoring by IoT Based Wireless Imaging and Sensor Node System	International Journal of Scientific Research in Science, Engineering and Technology	Peer Review
16	Riyaj Kazi	AI Enabled Trash Boat	International Journal of Scientific Research in Science, Engineering and Technology	Peer Review
17	Riyaj Kazi	Design and Implement an Automated Based Unauthorized Parking Detection	International Journal of Scientific Research in Science, Engineering and Technology	Peer Review
18	Riyaj Kazi	Traffic Sign Detection for Motorists using Machine Learning	International Journal of Scientific Research in Engineering and Management	Peer Review
19	Anjali Dagade	Inertial Sensors Based Road Condition Monitoring & Alternate Route Suggestion	International Journal of Scientific Research in Science, Engineering and Technology	Peer Review
20	Anjali Dagade	IOT Based Pet Feeder System	International Journal of Innovative Science and Research Technology	Peer Review

21	Monali Shirsath	Underwater Acoustic Modem Design for Short Range Sensor Network	International Journal of Scientific Research in Science, Engineering and Technology	Peer Review
22	Shital Patil	Advance Footstep Power Generation System Using RFID for Charging	International Journal of Innovative Science and Research Technology	Peer Review
23	Shubham Shaurya	Speckle Noise Removal from SAR Images Using Different Techniques	International Journal of Scientific Research in Science, Engineering and Technology	Peer Review
24	Dr Sharan Inamdar	RF Energy Harvesting	International Journal of Scientific Research in Science, Engineering and Technology	Peer Review