



Lakshmi Narain College of Technology, Bhopal

Details of Research Paper Published by Faculty 2025-26

S. No.	Title of Paper	Name of Faculty Member(s)	Name of Journal with ISSN No.	DOI	Indexing SCI /SCOPUS/ IEEE/ Others
1.	High-performance graphene wearable THz nano-antenna using a metasurface reflector: dual-band, dual-port, and low-SAR operation	Dr. Monika Kapoor, Dr. M Zahid Alam, Dr. Rakesh Agrawal	Applied Optics 1559-128x/26/092983-06	https://doi.org/10.1364/AO.593379	SCI
2.	Optimal fractional order controller for phase-locked loop system	Dr. Vijay Yadav	International conference on engineering innovations and technologies 979-8-3315-2595-8/25	Doi/10.1109/ICoEIT.2025.10	IEEE
3.	The impact of various attacks on water mark images and the restoration of water mark	Dr. Laxminarayan Gahalod, Dr. Tarun Verma, Dr. Soni Changlani, Dr. Vijay Yadav	International conference on engineering innovations and technologies 979-8-3315-2595-8/25	Doi/10.1109/ICoEIT.2025.95	IEEE



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2024-25

S. No.	Title of Paper	Name of Faculty Member(s)	Name of Journal with ISSN No.	DOI	Indexing SCI /SCOPUS/ IEEE/ Others
1.	New Approach to Design Optimal Robust Controller for a 2-D Discrete System: optimal robust controller for a 2-d discrete system	Govind Prasad Pandiya, Amrita Pahadia	Journal of scientific and industrial research	https://doi.org/10.56042/jsir.v84i1.8044keep	SCI
2.	Real- time image processing fault detection in electronic circuit boards using deep convolutional neural networks	Dr. M Zahid Alam, Dr. Monika Kapoor	International conference on information system and computer networks 979-8-3315-9744-3/25	https://doi/10.1109/ISCON65210.2025.11341427	IEEE
3.	Low- power embedded image processing system for object tracking in autonomous electronic	Dr. M Zahid Alam, Dr. Monika Kapoor	International conference on sustainability	https://doi/10.1109/ICSIT65336.2025.11295803	IEEE
4.	Optimizing the Series Cascade Control Structure for Non-minimum Phase System Regulation	Dr. Vijay Yadav	Applied research	DOI:10.1002/appl.202300051	Scopus
5.	Video stabilization using modified blurriness index employing De-blurring with temporal derivatives using motion smoothing	Sourabh Pandey	International information and engineering technology association	Doi.org/10.18280/ts.420320	SCI

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6.	Enhanced security and robustness in colour ima Watermarking using DWT-HD and quaternionSBD under hybrid attacks	Arun Kumar Patel	International information and engineering technology association	doi.org/10.08280/ts.410507	SCI
7.	YOLOv 7-tiny-based lightweight and efficient algorithm for photovoltaic cell crack detection	SatyarthTiwari	The journal of super computing 81:990	Doi.org/10.1007/s11227-025-07493-3	SCI



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2023-24

S. No.	Title of Paper	Name of Faculty Member(s)	Name of Journal with ISSN No.	DOI	Indexing SCI /SCOPUS/ IEEE/ Others
1.	Object Avoidance Robot	Dr. Umashankar Kurmi	International journal of science,engineering and technology ISSNOnline:2348-4098		Others
2.	Automatic Irrigation System	Dr. Vijay Yadav	International journal of science,engineering and technology ISSNOnline:2348-4098		Others
3.	Optimizing Solar Energy Harvesting Through Sun Tracking Solar Panels	Shraddha Shrivastava	Journal of emerging technologies & innovative research ISSNOnline:2349-5162		Others
4.	Object Avoidance Robot	Sourabh Pandey	International journal of science,engineering and technology ISSNOnline:2348-4098		Others
5.	Techsafe guardian – alcohol smoke and moisture detector with engine locking system	Dr. Prashant Chaturvedi	Journal of emerging technologies & innovative research ISSNOnline:2349-5162		Others
6.	Intoxication Sensing Device	Dr. M Zahid Alam	International journal of science,engineering and technology ISSNOnline:2348-4098		Others
7.	Automatic Plant Water System	Dr. Kamna Mishra	International journal of recent development in		Others

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			engineering and technology ISSNOnline:2347-6435		
8.	Intellisafe Rideguard	Dr. Monika Kapoor	International journal of science,engineering and technology ISSNOnline:2348-4098		Others
9.	Smart Blind Stick for Handicap	Shraddha Shrivastava	Journal of emerging technologies & innovative research ISSNOnline:2349-5162		Others
10.	Detection of LPG Gas Leakage Using IoT	Arun Kumar Patel	Journal of emerging technologies & innovative research ISSNOnline:2349-5162		Others
11.	IoT Based Smart Attendance System Using RFID and	Shraddha Shrivastava , Dr. Kamna Mishra	International journal of science,engineering and technology ISSNOnline:2348-4098		Others
12.	Glasses for Blind Person	Ravi Bhushan Roy	International journal of science,engineering and technology ISSNOnline:2348-4098		Others



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2022-23

S. No.	Title of Paper	Name of Faculty Member(s)	Name of Journal with ISSN No.	DOI	Indexing SCI /SCOPUS/ IEEE/ Others
1.	Silver nano particals research for plasmonic solar cell	Satyarth Tiwari	Journal of propulsion technology ISSN: 1001-4055		SCOPUS
2.	A high – performance ultra- compact plasmonic meta material structure for optical THz absorption	Dr. M Sarwar Raeen	Scientific reports	Doi.org/10.1038/s4 1598-024-77898-2	SCI
3.	A Fourfold Star Petal-Shaped Polarization-Insensitive Broad Band Plasmonic Metamaterial Absorber	Dr. M Sarwar Raeen	Springer plasmonics	Doi.org/10.1007/s11468-023-01815-y	SCI
4.	A plasmonic meta material flexible absorber design & analysis in optical regime	Dr. M Sarwar Raeen	Springer (Optical and quamtam electronics 55:713)	Doi.org/10.1007/s1-1082-023-04968-6	SCI