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Designation	Assistant Professor
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Subjects Taught	
U.G	Digital Image Processing
	Biomedical Image Processing
	Computer Vision and Pattern Recognition
P.G	Biomedical Image Processing
	Computer Vision and Pattern Recognition

Teaching Experience

Organization	Start Date	End Date	Designation	Nature of Work
Maulana Azad National Institute of Technology Bhopal, (M.P.)	28/12/2018	Till date	Assistant Professor Grade I	Academic and Research
Maulana Azad National Institute of Technology Bhopal, (M.P.)	20/05/2010	27/12/2018	Assistant Professor Grade II	Academic and Research
Technocrat Institute of Technology, Bhopal, (M.P.)	25/08/2006	30/08/2007	Sr. Lecturer	Academic
RKDF IST, Bhopal, (M.P.)	5/07/2005	23/08/2006	Lecturer	Academic
NRI ITM, Gwalior, (M.P.)	15/07/2002	10/07/2003	Lecturer	Academic

Ph.D Supervised/Ongoing

Name of the Student	Topic	Year of Award	Co-Supervisor (if any)
Shilpi Sharma	Fast Fractal Image Compression	2015	Dr. M.K. Gupta

Vikas Gupta	Image Denoising Using Dual Threshold Median Filtering for Impulse Noise	2015	Dr. Madhu Shandilya
Vipul Agrawal	Design of Ultrafast Encryption and Decryption System for Secured Optical Networks	2018	None
Yashwant Kurmi	Feature Based Area Histopathology Images Segmentation for CAD of Cancer	2020	None
Manish Tiwari	Design and Analysis of Low Power High Performance Dynamic Logic Circuits	Submitted	None
Abhishek Sharma	Improver Denoising Technique for MRI Images Using Non Local Means Filtering	2021	None
Vivek	Efficient Histopathology Image Classification for Breast Cancer Detection Using Deep Networks	Ongoing	None
Ebtasam Siddique	Deep Networks for Lung Cancer Detection Using CT Images	Ongoing	Dr. Madhu Shandilya
Mamta Patankar	Area – CAD of Pulmonary Diseases using Chest X-ray	Ongoing	Dr. Madhu Shandilya
Sunil Kureel	Not finalized	Ongoing	None

Sponsored Research Projects (Completed/Ongoing): NA

Title	Sponsoring Agency	Duration	Amount	Co-PI (if any)

Major Consultancy Projects: NA

Title	Sponsoring Agency	Duration	Amount	Co-Investigator(if any)

Publication:

Authors	Title	Journal	Vol. No. Page No.	Year	SCI/ Scopus	Impact Factor
Vikas Gupta, Vijayshri	Salt-and-Pepper Noise Removal using Adaptive Dual	Sylwan Journal	Vol. 158, Issue 7, pp. 489-497	2014	SCI	0.654

Chaurasia and Madhu Shandilya	Threshold Median Filter					
Vikas Gupta, Vijayshri Chaurasia and Madhu Shandilya	Random-valued impulse noise removal using adaptive dual threshold median filter	Journal of Visual Communication and Image Representation	Vol. 26, pp. 296-304	2015	SCI	2.6
Vijayshri Chaurasia, Vaishali Chaurasia	Statistical feature extraction-based technique for fast fractal image compression	Journal of Visual Communication and Image Representation	Vol. 41, pp. 87-95	2016	SCI	2.6
Smita Shrivastava, RK Nema, S. Jain and Vijayshri Chaurasia	Two level islanding detection method for distributed generators in distribution networks	International Journal of Electrical Power & Energy Systems	Vol. 87, pp. 222-231	2017	SCI	4.418
Shailendra Singh Pawar, Madhu Shandilya, Vijayshri Chaurasia	Parametric Evaluation of Microstrip Log Periodic Dipole Array Antenna using Transmission Line Equivalent Circuit	Engineering Science and Technology, an International Journal	Vol. 20, Issue 4, pp. 1260-1274	2017	SCI	5.7
Yashwant Kurmi and Vijayshri Chaurasia	Multifeature-based medical image segmentation	IET Image Processing	Vol. 12, Issue 8, pp. 1491 - 1498	2018	SCI	2.3
Madhu Shandilya, Shailendra Singh Pawar, Vijayshri Chaurasia	Design and optimization of a non-cross feed printed log periodic dipole array antenna using particle swarm optimization	AEU-International Journal of Electronics and Communications	Volume 93, pp.-172-181	2018	SCI	3.2
Agarwal, V., Agarwal, M., Pareek, P., Chaurasia, V., Pandey, S.K.	Ultrafast optical message encryption-decryption system using semiconductor optical amplifier based XOR logic gate	Optical and Quantum Electronics	Volume 51, Issue 7	2019	SCI	3.0
Manish Tiwari, Vijayshri Chaurasia,	Modified Keeper Controlled Domino Circuit for Low Power High Performance	International Journal of Engineering and Advanced	Volume-8 Issue-6, pp. 3121-3126	2019	Scopus	--

Bhavana P. Shrivastava, Laxmi Kumre	Wide Fan in OR Gates	Technology				
Manish Tiwari, Vijayshri Chaurasia	Long Channel Keeper Based open Loop Difference Amplifier Domino for Noise Tolerant Low Power OR Gates	International Journal of Innovative Technology and Exploring Engineering	Volume-8 Issue-10, pp. 3331-3340	2019	Scopus	--
Yashwant Kurmi, Vijayshri Chaurasia, Narayanan Ganesh	Tumor Malignancy Detection using histopathology imaging	Journal of Medical Imaging and Radiation Sciences	Volume 50, Issue 4, pp 514-528	2019	Scopus	1.8
Abhishek Sharma, Vijayshri Chaurasia	Noise removal of MRI images with different similarities using advance NLM filtering	International Journal of Recent Technology and Engineering	Volume-8 Issue-3, pp. 8476-8480	2019	Scopus	--
Abhishek Sharma, Vijayshri Chaurasia	Two Stage MRI De-noising using NLM with Bitonic Filtering	International Journal of Engineering and Advanced Technology	Volume-9 Issue-1, pp. 782-786	2019	Scopus	--
Yashwant Kurmi, Vijayshri Chaurasia, Narayanan Ganesh and Abhimanyu Kesharwani	Microscopic images classification for cancer diagnosis	Signal, Image and Video Processing	Vol. 14, pp. 665-673	2019	SCI	2.3
Yashwant Kurmi, Vijayshri Chaurasia, Aditya Goel, Deepti Joshi, Neelkamal Kapoor	Tuberculosis Bacteria Segmentation in Acid Fast Stained Images of Sputum Smear	Signal, Image and Video Processing	Vol. 15, pp. 175-183	2020	SCI	2.3
Yashwant Kurmi, Vijayshri Chaurasia, Neelkamal Kapoor	Design of a histopathology image segmentation algorithm for CAD of cancer	Optik, International Journal for Light and Electron Optics	Volume 218 164636	2020	SCI	3.1
Yashwant	Classification of	IET Image	Vol. 14, No.	2020	SCI	2.3

Kurmi, Vijayshri Chaurasia	Magnetic Resonance Images for Brain Tumor Detection	Processing	12, pp. 2808-2818			
Yashwant Kurmi, Vijayshri Chaurasia	Content-based image retrieval algorithm for nuclei segmentation in histopathology images	Multimedia Tools and Applications	Vol 80, Issue 2, pp. 3017-3037	2020	SCI	3.6
Abhishek Sharma, Vijayshri Chaurasia	MRI denoising using advanced NLM filtering with non-subsampled shearlet transform	Signal, Image and Video Processing	Vol 15, issue 6, pp. 1331-1339	2021	SCI	2.3
Yashwant Kurmi, Vijayshri Chaurasia, and Neelkamal Kapoor	Histopathology image segmentation and classification for cancer revelation	Signal, Image and Video Processing	Vol 15, issue 6, pp. 1341-1349	2021	SCI	2.3
Yashwant Kurmi, Prankur Saxena, Bhupendra Singh Kirar, Suchi Gangwar, Vijayshri Chaurasia, and Aditya Goel	Deep CNN Model for Crops' Diseases Detection Using Leaf Images	Multidimensiona l Systems and Signal Processing	Vol-33, pages 981- 1000	2022	SCI	2.5
Yashwant Kurmi, Suchi Gangwar, Vijayshri Chaurasia and Aditya Goel	Leaf Images Classification for the Crops Diseases Detection	Multimedia Tools and Applications	Vol 81, pages 8155-8178	2022	SCI	3.6
Rishi Sharma, Anjali Potnis, Vijayshri Chaurasia	Modelling of dielectric resonator based filtenna covering 2.5/2.6 (B41/n41) bands using machine learning algorithms	AEU - International Journal of Electronics and Communications	Vol 164, 154642	2023	SCI	3.2
Vipul Agarwal, Prakash Pareek, Lokendra	Design and analysis of cross phase modulation based all optical half subtractor using carrier reservoir	Optical and Quantum Electronics	Volume 55, issue 8, 680	2023	SCI	3.0

Singh, Bukya Balaji and Vijayshri Chaurasia	semiconductor optical amplifier					
Manish Tiwari and Vijayshri Chaurasia	Nodal State Comparison-based Dynamic Hold Technique for Low Power OR Gates in Domino Logic	IETE Journal of Research	Volume 69, DOI: 10.1080/03772063.2023.2194263	2023	SCI	1.5
E. A. Siddiqui, V. Chaurasia, M. Shandilya	Classification of lung cancer computed tomography images using a 3-dimensional deep convolutional neural network with multilayer filter	Journal of Cancer Research and Clinical Oncology	Volume 149, Issue 13, pp. 11279-11294	2023	SCI	3.8
E. A. Siddiqui, V. Chaurasia, M. Shandilya	Detection and classification of lung cancer computed tomography images using a novel improved deep belief network with Gabor filters	Chemometrics and Intelligent Laboratory Systems	Volume 235, 15 April 2023, 104763	2023	SCI	3.9
Vivek Patel, Vijayshri Chaurasia, Rajesh Mahadeva, Shashikant P. Patole	GARL-Net: Graph Based Adaptive Regularized Learning Deep Network for Breast Cancer Classification	IEEE Access	Vol. 11, pp. 9095-9112	2023	SCI	3.476

Patents

Title	Year	Agency	Co-Investigator (if any)	Published /Granted
Statistical Features Based Time-Efficient High-Performance Fractal Image Encoder	2021	Australian Government	Dr Tarun Gupta	Granted
High-Performance Energy-Efficient Robust Ternary Adder	2022	Australian Government	Dr Tarun Gupta, Dr Yogesh Shrivastava	Granted
System of Effective Keeper Based Domino Circuit for Low Power Application	2022	Republic of South Africa	Dr. Amit Kumar Pandey, Dr. Tarun Kumar Gupta, Prof. Vishal Singh Chandel, Dr Hari Shanker Srivastava, Dr Shiv Prasad Kori,	Granted

			Mr. Vikas Patel, Mr. Prince Rajpoot, Dr. Abhinav Gupta, Mr. Shivendu Mishra	
Leakage Current Controlled by Sleep Switch for Low Power Application	2022	Republic of South Africa	Dr. Amit Kumar Pandey, Dr. Tarun Kumar Gupta, Dr Ana Kumar, Mr Rahul O Vaishya , Dr Pramod Kumar Patel, Dr Vijay Kumar Magraiya, , Dr Yogesh Shrivastava, , Dr Shiv Prasad Kori, , Dr Shailendra Kumar.	Granted
Method for Automatic and Efficient MR Images Denoising Using DenseNet and Advanced NLM Filtering	2023	Indian Patent	Dr Abhishek Sharma, Dr Anjali Potnis, Dr Yudhishthir Raut, Dr Vikas Gupta, Dr Vipul Agrawal, Dr Ana Kumar, Mr Anadya Shrivastava	Published

Citations

	h-index	i-10 index	Total Citations
Google Scholar	14	21	581
Vidwan Profile	10	--	324

Detailed Biodata (any format) for attachment