

Name : Dr. Ajay Kumar Verma

Contacts : Mobile: 9759291726
: Email: ajaykrverma9@gmail.com

Qualification: : BTech, MTech, PHD

Teaching Experience : **24 years**

Department : Computer Science and Engineering

Designation : Assistant Professor



ACADEMIC DISTINCTIONS & AWARDS

- Awarded “**Director’s Medal** (Gold Medal)” for securing 1st rank in BTech.
- Awarded “**Director’s Medal** (Gold Medal)” for securing 1st rank in MTech.
- V. G. Shashtri memorial award of best student during MTech.
- Secured 3rd rank in Agra region and 1st rank in college for securing highest marks in Intermediate exams.
- Secured 1st rank in the college for getting highest marks in High School exams.

AREAS OF INTEREST AND EXPERTISE

Signal Processing, Digital Image Processing, AI, Machine Learning, Deep Learning, Wavelets and their Applications in DIP (Watermarking, OCR, Image Retrieval) and DSP (Audio Denoising), Control Systems, VLSI, MATLAB, SPICE and other programming languages.

SKILL SET AND KNOWLEDGE DOMAIN

Software:

- Languages: MATLAB, C, C++, JAVA, Python, HTML, Prolog, VHDL, VERILOG, SPICE, 8085-86 assembly language Programming.
- Packages: WINSPICE, Circuit Maker, LT-Spice, OrCad, Trax-Maker, MultiSim, Ulti-Board, Microwind, LASI, MATLAB etc.
- Operating Systems: Windows, Linux, Android.
- Multimedia: Image editing (Adobe Photoshop, Illustrator, Corel etc.), Video editing (Camtasia, Filmora, Cyberlinks etc.).

Hardware:

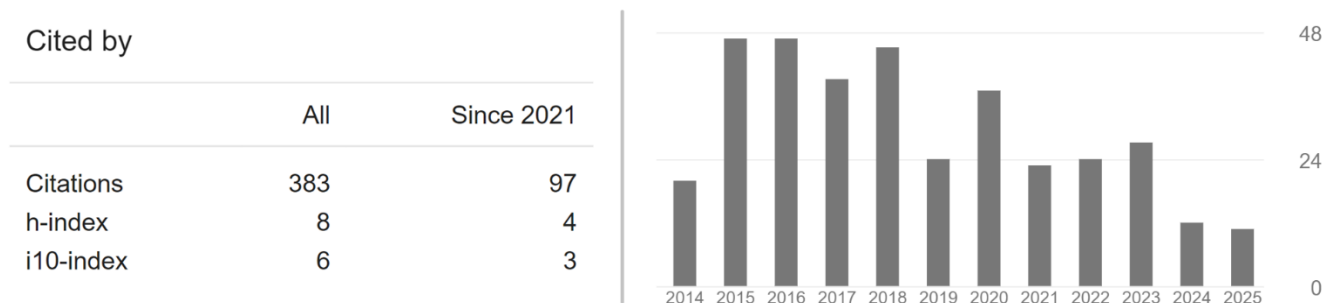
- DSP algorithms implementation on DSP Processor board TMS6713DSK and interfacing with MATLAB.
- Arduino and Raspberry Pi programming and interfacing with MATLAB.
- PC and Laptop hardware troubleshooting and repairing. Network troubleshooting.
- General Electrical and Electronics equipment troubleshooting and repairing.

PROFESSIONAL BODIES MEMBERSHIP

Life member of Indian Society of Technical Education (ISTE), India.

PUBLICATIONS

Citations: Till 02-06-2026



a) Conferences:

1. Pramod Sharma, A. K. Verma, Shivani Lavaniya, "Skin Disease Classification using Wavelet Scattering Transform (WST) and Color Layout Descriptor (CLD)", IEEE International Conference on Information Systems and Computer Networks (ISCON 2025), GLA university, Mathura, UP, 5-6 Sept 2025. DOI:10.1109/ISCON65210.2025.11341697.
2. Shiv Kumar, A. K. Verma, R. K. Viral, Divya Asija, M. K. Dutta, "An AI based Self-cleaning System for Split ACs", International Conference on Engineering and Technology (ICET - 23), ASAR, Bhilai, India, 02 Sept. 2023.
3. A. K. Verma, "Robust Optical Character Recognition using Wavelet and Geometrical Features" in national conference on Frontier Research in Electrical Engineering (nCFREE 2021), organized by Institute of Engineering and Technology under TEQIP-3, Dr. B. R. A University, Agra, 5th - 6th March, 2021.
4. R. Sharma, Sajaivir Singh, A. K. Verma, R. S. Tomar, "A Novel Hybrid DWPT and MDCT based Coding Technique for Sounds of Musical Instruments", 4th IEEE International Conference on Signal Processing and Integrated Networks (SPIN), ASET, Amity University, Noida, UP, 2-3 Feb 2017.
5. C. Shankar, Sajaivir Singh, A. K. Verma, R. Sharma, R. S. Tomar, "Three Input Single Output Current mode Biquad Filter using Single VDTA", IEEE International Conference on Signal Processing and Communication (ICSC), Jaypee University, Noida, UP, 26-28 Dec-2016.
6. A. K. Verma, Neema Verma, Sajaivir Singh, R. Sharma, "Robust Script Identification using Wavelet and EHD features in PCA Space", 2nd IEEE International Conference on Recent Advances and Innovations in Engineering (ICARE), Poornima University, Jaipur, 23-25 Dec 2016.
7. Swati Agarwal, A. K. Verma, Nitin Dixit, "Content Based Image Retrieval using Color Edge Detection and Discrete Wavelet Transform" IEEE International Conference on Issues and Challenges in Intelligent Computing Techniques (ICICT), KIET, Ghaziabad, 07-08 Feb 2014.
8. C. V. Lakshmi, Sarika Singh, A. K. Verma and C. Patvardhan, "An OCR System for Telugu Document Images with Complex Backgrounds", 4th IEEE International Advance Computing Conference (IACC), ITM Univ., Gurgaon, HR, 21-22 Feb. 2014.
9. C. Patvardhan, A. K. Verma and C. V. Lakshmi, "A Robust Content Based Image Retrieval Based on Multi-Resolution Wavelet Features and Edge Histogram", 2nd IEEE International Conference on Image Information Processing (ICIIP), pp. 447-452, Jaypee University of Information and Technology, Shimla, Dec. 9 - 11, 2013.

10. Swati Agarwal, A. K. Verma, Preetvanti Singh, "Content Based Image Retrieval using Discrete Wavelet Transform and Edge Histogram Descriptor", IEEE International Conference on Information Systems and Computer Networks (ISCON 2013), pp. 19-23, GLA Univ., Mathura, 09-10 March 2013.
11. A. K. Verma, Mayank Singhal and C. Patvardhan, "Robust Temporal Video Watermarking Using YCbCr Color Space in Wavelet Domain", 3rd IEEE International Advance Computing Conference (IACC- 2013), pp. 1184-1189, 22-23 Feb 2013.
12. C. Patvardhan, A. K. Verma and C. Vasantha Lakshmi, "Document Image Binarization Using Wavelets for OCR Applications", Proceedings of the 8th ACM Indian Conference on Vision, Graphics and Image Processing (ICVGIP-2012), Article No. 60, 16-19 Dec. 2012.
13. Neema Verma, A. K. Verma, "Real Time Adaptive Denoising of Musical Signals in Wavelet Domain", Proceedings of 3rd IEEE Nirma University International Conference on Engineering (NUICONE-2012), IEEE, Nirma University, Ahmedabad, Gujrat, 06-08 Dec. 2012.
14. C. Patvardhan, A. K. Verma and C. Vasantha Lakshmi, "Document Image Denoising and Binarization using Curvelet Transform for OCR Applications", Proceedings of 3rd IEEE Nirma University International Conference on Engineering (NUICONE-2012), pp. 1-6, Nirma University, Ahmedabad, Gujrat, 06-08 Dec. 2012.
15. A. K. Verma, Nishant Goyal and C. Patvardhan, "Wavelet Based Robust Video Watermarking Using Spread Spectrum Technique", Proceedings of 4th IEEE International Conference on Computational Intelligence and Communication Networks (CICN-2012), IEEE, pp. 778-782, GLA Univ., Mathura, 3-5 Nov. 2012.
16. A. K. Verma, C. Patvardhan and C. Vasantha Lakshmi, "Robust Color Image Watermarking Scheme using JFIF-YCbCr Color Space in Wavelet Domain", Proceedings of 6th Springer International Conference on Information Processing (ICIP-2012), Wireless Networks and Computational Intelligence Communications in Computer and Information Science (CCIS), Springer-Verlag, Volume 292, pp. 187-192, 08-10 August 2012.
17. A. K. Verma, Neema Verma, "A Comparative Performance Analysis of Wavelets in Denoising of Speech Signals", IJCA Proceedings on National Conference on Advancement of Technologies-Information Systems and Computer Networks, ISCON, GLA Univ., Mathura, 03-04 March 2012.
18. C. Patvardhan, A. K. Verma and C. Vasantha Lakshmi, "Performance Analysis of wavelets in Spread Spectrum Watermarking Technique" proceedings of an International Conference on Issues and Challenges in Networking and Intelligence (ICNICT), pp. 275-280, ISBN: 978-93-81126-27-1, KIET, Ghaziabad, 2011.
19. A. H. Siddiqi, A. K. Verma, Noor-e-Zahra, Ashish Chandiok and A. Hasan, "Wavelet based Simulation of Reservoir Flow", AIP (American Institute of Physics) Proceedings of International Conference on Modeling of Engineering and Technological Problems (ICMETP) and the 9th Biennial National Conference of Indian Society of Industrial and Applied Mathematics (ISIAM), Vol. 1146, pp. 284-300, 14-16 January 2009.
20. A. H. Siddiqi, A. K. Verma and Noor-e-Zahra, "Reservoir Flow Simulation by Wavelet Techniques", Proceedings of International Conference on Mathematical Modelling (ICMM), Sultan Qaboos University, College of Science, Muscat, Oman, 23-26 Feb. 2009.
21. A. K. Verma, Neema Verma, "Wavelet Based Denoising of Audio Signals in Real Time", proceeding of International Conference on Modeling of Engineering and Technological Problems (ICMETP), BMASEC, Agra, 14-16 January 2009.

b) Journals:

1. A. K. Verma, S. Lavania, "Transforming railways with artificial intelligence applications in safety, maintenance, and operations" Springer's Machine Learning for Computational Science and Engineering, Vol. 2, Article No. 17, 2026. <https://doi.org/10.1007/s44379-026-00064-0>, 2026.
2. Pramod Sharma, A. K. Verma, Shivani Lavaniya, "Skin Diseases Classification using AI: A Review", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Vol. 14, Issue 6, DOI:10.15662/IJAREEIE.2025.1406015, June 2025.
3. A. K. Verma, C. Patvardhan and C. V. Lakshmi, "Robust adaptive watermarking scheme based on image contents in Wavelet domain", International Journal of Image, Graphics and Signal Processing (IJIGSP), Vol. 7, No. 2, pp. 48-55, 2015.
4. C. Patvardhan, A. K. Verma and C. V. Lakshmi, "Denoising of Document Images using Discrete Curvelet Transform for OCR Applications", International Journal of Computer Applications (IJCA), Foundation of Computer Science, New York, USA, Vol. 55(10), pp. 20-27, October 2012.
5. C. Patvardhan, A. K. Verma and C. Vasantha Lakshmi, "Robust Watermarking of Document and Graphics Images in Wavelet Domain" International Journal of Applied Information Systems (IJ AIS), Foundation of Computer Science, New York, USA, Vol. 2(8), pp. 21-27, June 2012.
6. A. K. Verma, C. Patvardhan and C. Vasantha Lakshmi, "Comparative Performance Analysis of Wavelets in Color Image Watermarking using Spread Spectrum Technique", DEI Journal of Science and Engineering Research (DEIJSER), Vol. 16, No 1 and 2, pp. 117-130, 2012.
7. Neema Verma, A. K. Verma, "A Comparative Analysis for Wavelets and Threshold Estimation Selection for Denoising of Audio Signals of Some Indian Musical Instruments", International Journal of Advanced Research in Computer Science (IJARCS), Vol. 03, No. 03, pp. 536-540, June 2012.
8. Neema Verma, A. K. Verma, "Performance Analysis of Wavelet Thresholding Methods in Denoising of Audio Signals of Some Indian Musical Instruments", International Journal of Engineering Science and Technology (IJEST), Vol. 04, No. 05, pp. 2047-2052, May 2012.
9. C. Patvardhan, A. K. Verma and C. Vasantha Lakshmi, "A Robust Wavelet Packet Based Blind Digital Image Watermarking using HVS characteristics", International Journal of Computer Applications (IJCA), Foundation of Computer Science, New York, USA, Vol. 36(9), pp. 06-12, December 2011.
10. C. Patvardhan, A. K. Verma and C. Vasantha Lakshmi, "A Comparative Analysis of Spread Spectrum Watermarking Technique in Wavelet Domain", Journal of Computer Science and Engineering (JCSE), U. K., Vol. 9, Issue 2, pp. 38-43, October 2011.

c) Book Chapters:

1. Shilpi Lavania, Ajay Verma, Rex Basuel, "AI Tools for Writing and Editing in Academia and Research", in book "Leveraging AI for Future-Ready Writing Education" by Ali Sorayyaei Azar, Rahul Kumar Ghosh, Eriona Çela and Dorjana Flett (Klosi), IGI-Global, ISBN: 9798337356013, DOI: 10.4018/979-8-3373-5601-3, 2026.
2. A. K. Verma, Shilpi Lavania, "Navigating Cyber Security Landscape in Railway Infrastructure: Measures, Challenges and Innovations" in the book "Railway Engineering Technology: Development and Innovations", pp. 186, CRC Press, Taylor and Francis, ISBN: 9781003659983, <https://doi.org/10.1201/9781003659983>, Sept.

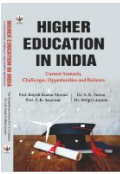
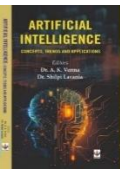
2025.

3. A. K. Verma, "Astronomical Development in Ancient India", in the book "Technological Evolution of Indian Knowledge System in Ancient India", Shubham Publications, ISBN: 978-93-6381-072-3, pp. 12-24, June 2024.
4. A. K. Verma, Jean-Marc Ginoux, "Calculus with MATLAB", in the book "Calculus for Scientists and Engineers", authored by M. Brokate, P. Manchanda and A. H. Siddiqi, Springer's Industrial and Applied Mathematics Series, Chapter 12, pp. 475-508, ISBN 978-981-13-8463-9, 2019.
5. A. K. Verma, C. Patvardhan and C. Vasantha Lakshmi, "Robust Color Image Watermarking Scheme using JFIF-YCbCr Color Space in Wavelet Domain", in the book Springer's Wireless Networks and Computational Intelligence Communications in Computer and Information Science (CCIS), Springer-Verlag, Volume 292, pp. 187-192, 08-10 August 2012.
6. A. H. Siddiqi, A. K. Verma, Noor-e-Zahra, Ashish Chandiok and A. Hasan, "Wavelet based Simulation of Reservoir Flow", AIP (American Institute of Physics), Indian Society of Industrial and Applied Mathematics (ISIAM), Vol. 1146, pp. 284-300, 14-16 January 2009.

d) Others:

1. (Article): Shilpi Lavania, A. K. Verma, T. S. Senthil, "The Digital Evolution of Indian Farming", Skill Power magazine, National Skill Development Corp. (NSDC) of India, Govt. of India, Volume 10, issue 8, August 2025.
2. (Article): A. K. Verma, "Digital Clock in JAVA" in international magazine", Electronics for You (EFY) magazine, April 2007 issue.
3. (Seminar): Gunjan Bhatnager, Neema Verma, A. K. Verma, "Private Institutions: Promoting Quality Education or Creating Gaps?" Two-day national seminar on "Teachers of the 21st Century: Challenges & Opportunities", organized by Anand College of Education and National Council of Teacher Education (NCTE), 2-3 April-2011.

BOOKS WRITTEN/ EDITED

Sl. No.	Details		Cover Page
1.	Title	Higher Education in India: Current Scenario, Challenges, Opportunities and Reforms	
	Co-Authors	Prof. Rajesh Sharma, Prof. V. K. Saraswat, Dr. Shilpi Lavania	
	ISBN	978-93-88361-59-0	
	Date	March 2024	
	Publisher	Rudra Publication, New Delhi.	
2.	Title	Artificial Intelligence: Concepts, Trends and Applications	
	Co-Authors	Dr. Shilpi Lavania	
	ISBN	978-93-88361-71-2	
	Date	June 2024	
	Publisher	Rudra Publication, New Delhi.	
3.	Title	Research Methodology: Advanced Tools and Techniques	
	Co-Authors	Dr. Shilpi Lavania	
	ISBN	978-93-48421-41-8	
	Date	December 2025	
	Publisher	Rudra Publication, New Delhi.	

PATENTS and COPYRIGHTS

1. **Title:** Soil Data Mapping Probe. **(Copyright is also granted for this)**
Application No.: 429505-001
Serial No.: 183369
Date: 24/10/2024
2. **Title:** Water Quality Measuring Bottle with UV Disinfection. **(Copyright is also granted for this)**
Application No.: 439021-001
CBR No.: 222107
Date: 29/11/2024
3. **Title:** Smart Walking Cane for Parkinson's Patients.
Application No.: 456781-001
CBR No.: 208927
Date: 26/04/2025
4. **Title:** IOT Enabled Smart Pot for Plant Care.
Application Number: 468727-001
CBR Number: 217112
CBR Date: 06/08/2025
5. **Title:** Digital and Portable Automated Microbiology System.
Application No.: 422680-001
CBR No.: 212015
Date: 09/07/2024

Under Review

6. **Title:** AI-Assisted Kitchen Bowl for Nutrition Tracking. (Patent and Copyright)
Application No.: 439020-001
CBR No.: 222107
Date: 29/11/2024

EXPERT LECTURES GIVEN

1. Delivered a guest lecture on "ANFIS: Theory and Applications in System Modeling and Data Prediction", organized by Institute of Railway Vehicles and Railway Technology, Technische Universität Dresden, Germany on 24 November 2024.
2. Delivered a keynote lecture on "Technology Tools for Impressive Teaching" in FDP on "Teaching Learning Environment in Colleges and universities: Trends and Required Innovations", organized by Kamla PG college, Dholpur, Rajasthan in association with Guru Angad Dev Teaching Learning Centre, Khalsa College, Delhi Univ. on 28 July 2023.
3. Delivered a keynote lecture on "Impact of Technology on IPR Protection and Infringement" in international workshop on "Intellectual Property Rights: Awareness and Implementation" organized by Kamla PG college, Dholpur, Rajasthan on 24 June 2023. Also graced the valedictory session as chief guest.

4. Delivered an invited lecture on “ECG Based Heart Disease Diagnosis using Wavelet Features and Deep CNN”, in International Conference on Current Research in Applied and Fundamental Sciences (CRAFTS 2021), organized by, School of Science, Sandip University, Nashik, in collaboration with Microbiologists Society, India, 12th - 13th July 2021.
5. Delivered expert lecture in a MHRD sponsored workshop on "Fundamentals of Artificial Intelligence in Education" on the topic “Image Processing and Artificial Intelligence” organized by center of Artificial Intelligence in Education, School of Education, Dayalbagh Educational Institute (DEI), Deemed Univ., Agra on 24 May 2019.
6. Delivered one guest lecture on “Document image Denoising” in one-day UGC-SAP seminar on “Image Processing” organized by Electrical Engineering Department, Dayalbagh Educational Institute, Dayalbagh, Agra, 2013.
7. Delivered lectures and conducted 15-days workshop on “MATLAB and SPICE programming” in Faculty of Engineering at DEI, Dayalbagh, Agra, 2011.
8. Delivered one lecture on “MATLAB Graphics and Animation” to the faculty members of School of Science and Engineering, Sharda University, Greater Noida, UP, 2010.
9. Delivered a lecture on “Introduction to Wavelets and its Applications” to the faculty members of School of Science and Engineering, Sharda University, Greater Noida, UP, 2010.
10. Delivered one lecture and conducted one Lab session on “CAD in electronics design” in an AICTE sponsored Staff Development Program held at BMAS Engineering College, Agra, UP, 2009.

OTHER RESEARCH ACTIVITES

1. Worked as reviewer/ member of editorial board in following Journals:
 - a) Reviewer: Elsevier’s Image Communication Journal.
 - b) Reviewer: IEEE - IET Information Security.
 - c) Member of Editorial Board: MECS International Journal of Image, Graphics and Signal Processing (IJIGSP), Hong Kong.
 - d) Reviewer: Journal of Intelligent Systems, DE Gruyter, Germany.
 - e) Reviewer: Journal of Engineering Science and Technology (JESTEC), Taylor's University, Malaysia.
 - f) Reviewer: International Journal of Remote Sensing Letters, Taylor, and Francis.
2. Worked as paper reviewer and member of Technical Program Committee (TPC) at following reputed international conferences:
 - 2.1. Taylor & Francis International Conference on Computational Intelligence and Autonomous Systems (ICIAS), Sir Padampat Singhanian University, Udaipur, India, October 09-10, 2025.
 - 2.2. IEEE International Conference on Electrical, Electronics and Computing Technologies (ICEECT-2024), Department of ECE, Sharda University, Greater Noida, 29 - 31 August 2024.
 - 2.3. Springer’s International Conference on Emerging Trends and Technologies on Intelligent Systems (ETTIS), CDAC, Noida, 2024, 2025, and 2026.

- 2.4 IEEE International Conference on Signal Processing and Communications (ICSC), Jaypee University, Noida, UP. 2016, 2018, 2019, 2021, 2022, 2023, 2025.
- 2.5 IEEE International Conference on Signal Processing and Integrated Networks (SPIN), Amity School of Engineering, Noida, UP, 2014, 2015, 2016, 2017, 2018.
- 2.6 IEEE International conference on Machine Intelligence, Research and Advancement (ICMIRA), Shri Mata Vaishno Devi University, Katra, Jammu. (<http://icmira.com/conference-committees/>), 2013, 2014.
- 2.7 IEEE International Conference on Computing, Communication and Automation (ICCCA), School of Computing Science and Engineering, Galgotia University, Greater Noida, UP, 2015, 2016, 2017.
- 2.8 Springer's 3rd International Conference on Next Generation Computing Technologies (NGCT), 30-31 Oct 2017, School of Computer Science & Engineering, University of Petroleum & Energy Studies, Dehradun, Uttarakhand. (<http://www.ngct2017.in/conference-committee/tpc>).
- 2.9 Springer's 3rd International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS), Manipal University, Karnataka, 13-16 Sept. 2017. (<http://www.acn-conference.org/sirs2017/committee.html>).
- 2.10 IEEE 6th International Conference on Advances in Computing, Communications and Informatics (ICACCI), Manipal University, Karnataka, 13-16 Sept. 2017. (<http://icacci-conference.org/2017/content/technical-program-committee>).
- 2.11 IEEE international conference on Computing, Power, and Communication Technologies (GUCON2018), 28-29 September 2018, Galgotia University, Gr. Noida, UP. (<http://gucon.org/>).
- 2.12 IEEE International Conference on Advances in Computing, Communication Control and Networking (ICACCCAN2018), 12-13 October 2018, Galgotia's College of Engineering and Technology, Gr. Noida, UP. (<http://www.icaccn.in/>).
- 2.13 IEEE International Conference on Computing, Communication, and Intelligent Systems (ICCCIS), Sharda University, Greater Noida. (<http://icccis.in/>), 2019, 2021.
- 2.14 Springer's International Conference on Recent Developments in Cyber Security (ReDCySec), Sharda University, Gr. Noida, UP, 2023, 2024.
- 2.15 IEEE International Conference on Electrical, Electronics and Computing Technologies (ICEECT-2024), Sharda University, Gr. Noida, UP, 2024, (<https://www.sharda.ac.in/iceect2024/>).
3. Chaired a technical session in the 2nd IEEE international conference on Signal Processing and Integrated Networks (SPIN), 19-20 Feb 2015, Amity School of Engineering, Noida, UP.
4. Chaired a technical session on image processing in IEEE international Conference on Signal Processing and Communications (ICSC), Jaypee University, Noida, UP, 2016 and 2022.

WORKSHOPS/ STTPS/ SEMINARS ATTENDED

1. Online self-paced workshop on "AI and Cyber Security Awareness (AI for All)" conducted by MPIT-CoE and with TCS foundation through TCSiON, April 2026.

2. One Day workshop on “Hands on experience with Python for Machine Learning”, organized by Center of Excellence, Department of Computer Science, IET, Dr. B. R. Ambedkar University, Agra, 25 Sept. 2024.
3. One Day workshop on “Machine Learning Implication with MATLAB”, organized by Center of Excellence, Department of Computer Science, IET, Dr. B. R. Ambedkar University, Agra, 13 July 2024.
4. One-week UGC sponsored STTP on “Data Science using language and tools for multidisciplinary domains”, organized by UGC Human Resource Development Center (HRDC), Dr. Hari Singh Gour Vishwavidhyalay, Sagar, MP, India, 06-13 Sept. 2023.
5. A workshop on “Intellectual Property Rights – UPCRAM”, organized by university of Lucknow, UP on August 18, 2023, in online mode.
6. One day workshop on “Intellectual Property Rights (IPR)” organized by Dr. B. R. Ambedkar University, Agra in association with 1StopIP Solutions, Faridabad at IBS campus, Agra on 17 Feb 2023.
7. One Day Workshop on “Promoting Collaborative Research and Innovation Programs funded under TEQIP-III” organized by AKTU, Lucknow at AKTU Noida campus, Noida on 24 May 2019.
8. One Day Workshop on “Research Funding: Opportunity and Challenges” organized by AKTU, Lucknow at AKTU Noida campus, Noida on 16 October 2018.
9. Two-day workshop on “Introduction to Machine Learning”, conducted by IIT, Kharagpur under national mission on education through ICT, MHRD, govt. of India at HITM, Agra, 16-17 December 2017.
10. One-day workshop on ‘SciLab’ conducted by IIT-Mumbai under national mission on education through ICT, MHRD, Govt. of India at HITM, Agra, 12 Oct 2017.
11. Two-week STTP on “Electric Power System” conducted by IIT-Kharagpur under national mission on education through ICT, MHRD, Govt. of India at HITM, Agra, 12-15 July 2017.
12. One-week workshop on “CMOS Mixed Signal and Radio Frequency VLSI Design” organized by IIT-Kh, National mission on Education through ICT, MHRD, govt. of India at HITM, Agra, 30 Jan-04 Feb 2017.
13. One-week AICTE sponsored short term course on “VLSI Design”, organized by NITTR, Chandigarh at HITM, Agra, Oct. 05- 09, 2015.
14. Two weeks STTP on “Environmental Studies”, organized by IIT-Mumbai, National mission on Education through ICT, MHRD, govt. of India and ISTE at HITM, Agra, 02-12 Jun 2015.
15. One-week workshop on “Introduction to Design of Algorithms”, organized by IIT-Kharagpur, National mission on Education through ICT, MHRD, govt. of India and ISTE at HITM, Agra, 25-30 May 2015.
16. One-week workshop on “Control Systems”, organized by IIT-Kharagpur, National mission on Education through ICT, MHRD, govt. of India at HITM, Agra, 02-12 Dec 2014.
17. Ten days workshop on “Signals and Systems”, organized by IIT-Kharagpur, National mission on Education through ICT, MHRD, govt. of India at HITM, Agra, 02-14 Jan 2014.
18. Five days AICTE and MHRD sponsored training program on “Solid State Control of Electric Drives”, organized

by NITTR, Chandigarh at HITM, Agra, Sept. 02- 06, 2013.

19. Three days Indo-German Workshop on “Engineering and Analysis of Evolutionary Algorithms (EAEA 2013)”, jointly organized by Dayalbagh University and Kiel University, Germany at faculty of Engg., Dayalbagh, Agra, Jan 18-20, 2013.
20. One-day workshop on “Vision 2020: Status of Engineering Education in India”, jointly organized by DEI, Dayalbagh and System Society of India.
21. Two days’ workshop on “PASW (Predictive Analytics Software formerly SPSS) organized by IBM, India at HIMCS, Mathura.
22. One Day Workshop on “Human Values” organized by UPTU, Lucknow at BMAS Engg. College, Agra.
23. Two days HR symposium on “Transforming the Transformation (Meltdown)” organized by NHRD chapter (Agra) and BMAS Engineering College at BMAS, Agra, UP.
24. Three days International Conference on “Modeling of Engineering and Technological Problems” (ICMETP) organized by ISIAM (India), ICTP (Italy) at BMAS Engineering College, Agra, UP.
25. Three days’ workshop on “Feel Teacher (Facilitating Excellence in Effective Leadership) organized by AIMINSIGHT, College of Human Resource Development, Mangalore, Karnataka.
26. Three days International Conference on “Nano & Quantum Computing” organized by Indo-US cell at DEI, Deemed University, Dayalbagh, Agra, UP.
27. Two days International Conference cum Workshop on “Nano Technology” held at Ansal Institute of Technology (AIT), Gurgaon, HR.
28. One-day workshop on “MBTI Test for personality Assessment” held at HIMCS, Mathura, UP.
29. Attended the International Software Competition (India Imagine Cup, 06) organized by Microsoft at hotel Jay-Pee Palace, Agra, UP, 7 Aug 2006.
30. Three days short-term training program organized by IIPC and department of Electrical Engineering, DEI, Faculty of Engineering, Dayalbagh, Agra on “Digital Design using VERILOG”.
31. One-day faculty development program entitled “Future Challenges in Education & Teacher as Mentor” organized by ICFAI, Delhi.
32. Three days faculty development program organized by NITTR, Chandigarh, on “Teaching Learning Methodology”.
33. Three days short-term training program on “Modeling and Simulation of Systems” organized by IIPC and department of Electrical Engineering, DEI, Faculty of Engineering, DayalBagh, Agra.

ACTIVITES ORGANIZED

1. Organized many expert lectures, workshops, seminars, industrial visits, and placement drives time to time for students in the capacity of Head of the department.
2. Organized a one-day workshop on 'SciLab' conducted by IIT-Mumbai under national mission on education through ICT, MHRD, Govt. of India at HITM, Agra, 12 Oct 2017.
3. Organized two-week STTP on "Electric Power System" conducted by IIT-Kharagpur under national mission on education through ICT, MHRD, Govt. of India at HITM, Agra, 12-15 July 2017.
4. Organized a one-week workshop on Control Systems conducted by IIT-Kharagpur under National mission on Education through ICT, MHRD, govt. of India at HITM, Agra, 02-12 Dec 2014.
5. Performed as Co-Convener (2009, 2010, 2016, 2017, 2018) in organizing annual fest Eureka in college and contributed to organizing several other functions/ celebrations in campus.