


Prof. (Dr.) UMESH KUMAR SINGH

Title	Prof.	Name	UMESH KUMAR SINGH	Photograph
Department		COMPUTER SCIENCE		
Designation		Professor & Dean		
Address		INSTITUTE OF COMPUTER SCIENCE, VIKRAM UNIVERSITY, UJJAIN (MP)- 456010		
Phone- Office		0734 2520035		
Residence		0734 2515192		
Mobile		9926018114		
E-Mail		umeshsingh@rediffmail.com		
Educational Qualifications				
Degree		Institution	Year	
Ph.D. Computer Science		Devi Ahilya University, Indore	2006	
MCA		Barkatullah University, Bhopal	1994	
B.Sc.		Vikram University, Ujjain	1989	
PGDCSA		Vikram University, Ujjain	1991	
Career Profile				
<p>2023-till date, Dean, Faculty of Engineering Science, Vikram University, Ujjain</p> <p>2019 –2023, Director, Institute of Computer Science, Vikram University, Ujjain</p> <p>2012 –till date: Professor, Institute of Computer Science, Vikram University, Ujjain.</p> <p>2022-2023, Director, Internal Quality Assessment Cell(IQAC), Vikram University, Ujjain</p> <p>2021- till date, Director, University Incubation Centre, Vikram University, Ujjain.</p> <p>2014 – 2020: Director, School of Engineering & Technology, Vikram University, Ujjain</p> <p>2010 – 2014: Director, Institute of Computer Science, Vikram University, Ujjain.</p> <p>2011- 2011: Founder Director, School of Engineering & Technology, Vikram University, Ujjain.</p> <p>2007 –2012: Associate Professor, Institute of Computer Science, Vikram University, Ujjain.</p> <p>2004-2006:Director, Mahakal Institute of Management (MIM), Ujjain</p> <p>2006-2006: Dean Academics, Mahakal Institute of Technology (MIT), Ujjain</p> <p>2003-2006: Dean Administration, Mahakal Institute of Technology (MIT), Ujjain</p> <p>2002 – 2006: Principal, Mahakal Institute of Computer Sciences, Ujjain</p>				

2002 – 2006: **Professor**, Mahakal Institute of Computer Sciences, Ujjain
1998 – 2002: **Director**, Institute of Computer Science, Vikram University, Ujjain.
1996 – 2002: **Lecturer**, Institute of Computer Science, Vikram University, Ujjain.
1995 – 1996: **Engineer (E & T)**, CMC Limited (Govt. of India Enterprise), New Delhi

Administrative Assignments

2019-2023, **Director**, Institute of Computer Science, Vikram University, Ujjain
2014-2020: **Director**, School of Engineering & Technology, Vikram University, Ujjain
2010- 2014: **Director**, Institute of Computer Science, Vikram University, Ujjain.
2018-2024: **Expert Member**, Scrutiny Committee, AICTE, New Delhi
2015- 2018: **Director**, School of Distance Education, Vikram University, Ujjain.
2014-2020 : **Chairman**, Board of Studies of Engineering Sciences, Vikram Uni., Ujjain
2013- till date: **Chairman**, Board of Studies of Computer Science, Vikram Uni., Ujjain
2012- till date: **Chairman**, Departmental Research Committee, Vikram University, Ujjain
2011- 2011: **Founder Director**, School of Engineering & Technology, Vikram University, Ujjain.
2011: **Member**, E-Governance Committee, Vikram University, Ujjain
2011: **Member**, Advisory Committee of SoET, Vikram University, Ujjain
2011: **Superintendent**, Semester Examination -2011, Vikram University, Ujjain.
2011: **Member** of BOS, Comp.Sc., Many Universities of MP
2010: **Deputy Registrar I/c (Exam.)**, Vikram University, Ujjain
2010: **Director I/c, College Development Council**, Vikram University, Ujjain
2010- 2013: **Chairman**, Board of Studies of Computer Science, Vikram University, Ujjain
2010: **Member**, Governing Body of MIT, Mandasour
2010-2024: **Member**, Selection/Interview Committee, Many Universities
2010-2024: **Member**, Higher Purchase Committee, Vikram University, Ujjain.
2010-2024: **Chairman**, Registration Committee in University Convocations
2010-2021: **Member**, Technical Committee, Vikram University, Ujjain
2009-2010 : **Assistant Proctor**, Vikram University, Ujjain
2004-2006: **Director**, Mahakal Institute of Management (MIM), Ujjain
2006-2006: **Dean Academics**, Mahakal Institute of Technology (MIT), Ujjain
2003-2006: **Dean Administration**, Mahakal Institute of Technology (MIT), Ujjain

<p>2002 – 2006: Principal, Mahakal Institute of Computer Sciences, Ujjain</p> <p>1998 – 2002: Director, Institute of Computer Science, VikramUniversity, Ujjain.</p> <p>1998-2024: Member, Academic Council, Vikram University, Ujjain.</p> <p>1998-2024: Expert Member, College Inspection Committee, Vikram University, Ujjain</p> <p>1996-2024: Member, Result Committee, Vikram University, Ujjain</p> <p>1996-2024: Member, University Examination Committee, Vikram University, Ujjain</p>
<p>Area of Interest/ Specialization</p> <ul style="list-style-type: none"> Information and Network Security
<p>Subjects Taught</p> <ul style="list-style-type: none"> Data Structures & Algorithm Design Data Communication & Computer Networks Computer Network Security Data Base Management Systems
<p>Publication Profile</p> <p>Research Papers:</p> <p>(A). Journal Papers: International:</p> <ol style="list-style-type: none"> Singh Umesh Kumar & Sharma A., “Cloud Computing Security Framework Based On Shared Responsibility Models,” in Cyber-Physical, IoT, and Autonomous Systems in Industry 4.0, CRC Press Taylor & Francis Group, 2022, 39-55, DOI: 10.1201/9781003146711-3. Singh Umesh Kumar & Sharma A. “Security and Privacy aspect of Cyber-Physical Systems,” in Cyber Physical Systems Concepts and Applications, CRC Press Taylor & Francis Group, 2023, DOI: 10.1201/9781003220664-9. Raghuvanshi A. , Singh Umesh Kumar, Intrusion Detection Using Machine Learning for Risk Mitigation in IoT-Enabled Smart Irrigation in Smart Farming. Journal of Food Quality, 2022, 1-8. Doi:10.1155/2022/3955514 (SCI Indexed) Raghuvanshi, A., Singh, U., & Joshi, C. (2022). A Review of Various Security and Privacy Innovations for IoT Applications in Healthcare. Advanced Healthcare Systems, 43-58. doi: 10.1002/9781119769293.ch4 (Scopus indexed) Sharma A. & Singh Umesh Kumar, Deployment model of e-educational cloud for departmental academics automation using open source, HTL, 2021, Vol-27 (5), 2021, ISSN NO : 1006-6748, http://www.gjstx-e.cn/gallery/36-may2021.pdf (Scopus Indexed) Sharma A. and Singh Umesh Kumar, Investigation of Cloud Computing security issues & challenges, Atlantis Highlights in Computer Sciences, ISSN: 2589-4900, 2021, 445-453,

- <https://doi.org/10.2991/ahis.k.210913.055> (Springer nature – WoS / Scopus Indexed)
7. Sharma A. & Singh Umesh Kumar, “Modelling of smart risk assessment approach for cloud computing environment using AI & supervised machine learning algorithms,” Global Transitions Proceedings, Volume 3, Issue 1, 2022, Pages 243-250, ISSN 2666-285X, <https://doi.org/10.1016/j.glt.2022.03.030> (Springer - ScienceDirect)
 8. Raghuvanshi A. , Umesh Kumar Singh et.al., ”Internet of Things- Security Vulnerabilities and Countermeasures”, ECS Transactions, Vol. 107(1) <https://iopscience.iop.org/article/10.1149/10701.15043ecst>
 9. Dixit K. & Singh Umesh Kumar, “Attack Taxonomy for Big Data Environment”, International Journal of Computer Applications, Volume 185 ,No.25, July 2023
 10. Dixit K. & Singh Umesh Kumar, “An Information Security Risk Assessment Framework for Big Data Environment”, International Journal of Innovative Science and Research Technology Volume 8 ,issue 6, June 2023.
 11. Dixit K. & Singh Umesh Kumar, “Comparative study of Information Security Risk Assessment Methodologies”, International Journal of Computer Application, Vol. 185, No.7, May 2023
 12. Sheikh S. & Singh Umesh Kumar, “Towards Identification Of Vulnerabilities And Their Exploits Using Penetration Testing Tools”. International Research Journal of Modernization in Engineering Technology and Science, Vol.05, Issue.1, pp.1792-1799, DOI LINK :10.56726/IRJMETS33212
 13. Dixit K. & Singh Umesh Kumar, “Identification of Web Vulnerabilities through IISRA Framework” International Journal of Novel Research and Development (IJNRD), Vol. 8, Issue 5, May 2023.
 14. Dixit K. & Singh Umesh Kumar, “Identification of Network Vulnerabilities through IISRA Framework”, International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol. 11, Issue 5, May 2023.
 15. Sheikh S. & Singh Umesh Kumar "An Investigation of Vulnerabilities Discovery and Assessment in Educational Institutions" Iconic Research And Engineering Journals Volume 6 Issue 7 2023 Page 143-150
 16. Dixit K. & Singh Umesh Kumar, “Qualitative and Quantitative Risk Assessment through IISRA Framework”, International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol. 11, Issue 5, May 2023.
 17. Sheikh S. & Singh Umesh Kumar Singh, "A Mitigation Plan To Encounter Discovered Vulnerabilities In Educational Web Application", International Journal of Science & Engineering Development Research (www.ijedr.org), ISSN:2455-2631, Vol.8, Issue 1, page no.1288 - 1291, January-2023, Available :<http://www.ijedr.org/papers/IJEDR2301207.pdf>
 18. Dixit K. & Singh Umesh Kumar “Threat and Asset Identification through IISRA Methodology” International Journal of Creative Research Thoughts (IJCRT), Vol 11, Issue 4, April 2023.
 19. Dixit K. & Singh Umesh Kumar, “Attack Taxonomy for Cyber-Physical System”, International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 10 Issue I Jan 2022- Available at www.ijraset.com
 20. Upreti, K., Singh Umesh Kumar et. al.,. Fuzzy Logic Based Support Vector Regression (SVR) Model for Software Cost Estimation Using Machine Learning, ICT Systems and Sustainability, Lecture Notes in Networks and Systems, Vol 321. Springer, Singapore. https://doi.org/10.1007/978-981-16-5987-4_9
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 62. Pandya B., Singh Umesh Kumar & Dixit K., “Impact of known Input Output attacks in Euclidean Distance preserving perturbation for privacy Preserving Data Mining”, International Journal of Emerging Research in Management & Technology, Volume 4, Issue 4 ISSN: 2278-9359, pp 110-114
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- Wireless Mesh Networks, International Journal of Scientific Research in Network Security & Research, 2013, 1(1), 11-15, ISSN 2321–3256 (Online)
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(B). Conference Papers:

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154. Raghuvanshi A. & Singh Umesh Kumar, "Internet of Things for smart cities- security issues and challenges", AICTE Sponsored International Conference on Advances in Communications, Computing and Embedded Systems, (ISBN 13:978-81-930222-9-0) 18-19 September 2020 , Gokaraju Rangaraju Institute of Engineering and Technology, Telangana, India\
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159. Tripathi, A. & Singh Umesh Kumar, Taxonomic Analysis of Classification Schemes in Vulnerability Databases, Proc. 6th International Conference on Computer Sciences and Convergence Information Technology, IEEE Computer Society, Seogwipo, Korea, 29 Nov - 01 Dec 2011, 692-697,
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Patents Published:

1. *TRANSPARENT AND USER-FRIENDLY BILLING SYSTEM, METHOD AND PROCESS TOWARDS SMART GOVERNANCE*, The Patent Office Journal No. 09/2021 Dated: 26/02/2021, Page No: 9795,
2. *METHOD AND SYSTEM FOR PREDICTING A ZERO DAY ATTACK*, The Patent Office Journal No. 13/2021 Dated: 26/03/2021, Page No: 15319,
3. *VEHICULAR COMPONENTS HEALTH MONITORING SYSTEM AND METHOD THEREOF*, The Patent Office Journal No. 19/2021, Dated: 07/05/2021, Page No: 22342,
4. *CONCEPTUAL FRAMEWORK OF A ARTIFIIAL INTELLIGENCE IN HUMAN RESOURCE MANAGEMENT* (Indian Patent No.: 202111020974), The Patent Office Journal No: 20/2021, Dated:14/05/2021:, Page No: 23409,
5. *IOT SECURITY METHOD & SYSTEM BASED ON THE BLOCKCHAIN* , The Patent Office Journal No: 22/2021, Dated:28/05/2021:, Page No:25373.
6. *AUTOMATED MATERIAL REPLENISHMENT SYSTEM AND METHOD THEREOF*, The Patent Office Journal No: 28/2021, Dated:09/07/2021:, Page No:30676.
7. *ANALYSIS OF IOT BASED WEATHER MONITORING AND REPORTING SYSTEM USING FUZZY LOGIC*, The Patent Office Journal No: 31/2021, Dated:30/07/2021:, Page No:33553.
8. *GPS AND ENCRYPTION BASED MULTI-CHECK AUTHENTICATION PROCESS FOR PREVENTING FRAUD TRANSACTION*, The Patent Office Journal No: 41/2021, Dated:08/10/2021:, Page No:46468.
9. *IOT BASED HEALTH MONITORING SYSTEM FOR COVID-19 PATIENT*, The Patent Office Journal No: 44/2021, Dated: 29/10/2021:, Page No: 50162
10. *SMART DEVICE FOR CUSTOMER EXPERIENCE MONITORING AND IMPROVEMENT*

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11. WAVE AND HYDROSTATIC PRESSURE ENERGY GENERATION SYSTEM WITH IOT MONITORING FOR OBTAINING CLEAN ELECTRICITY, The Patent Office Journal No. 35/2023 Dated: 01/09/2023, Page No: 56056
12. A SMART SYSTEM FOR DYNAMIC THREAT ASSESSMENT AND BEHAVIOUR-BASED ANOMALY DETECTION IN IOT DEVICE, The Patent Office Journal No. 52/2023 Dated: 29/12/2023, Page No: 94678

Patents Granted:

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2. Australian Patent No.: 2021105092, IP Australia, Australian Official Journal, Vol.:35, No.:40, Page No.: 7869, 7 October, 2021.
3. Indian Design Patent No.: 356747-001, Biometric Authentication Device, The Patent Office Journal No. 14/2022 Dated: 08/04/2022, Page No: 23521.
4. Indian Design Patent No.: 376694-001, MAIL AUTHENTICATION DEVICE USING BIOMETRICS, The Patent Office Journal No. 07/2023 Dated: 17/02/2023, Page No: 12510.
5. Indian Design Patent No.: 376695-001, AUTHENTICATION DEVICE FOR ONLINE TRANSACTION, The Patent Office Journal No. 08/2023 Dated: 24/02/2023, Page No: 13885.
6. Indian Design Patent No.: 342910-001, SURGICAL HELMET, The Patent Office Journal No. 11/2023 Dated: 17/03/2023, Page No: 27698.
7. Indian Design Patent No.: 394824-001, TREKKER'S SMART SAFETY SHELTER, The Patent Office Journal No. 43/2023 Dated: 27/10/2023, Page No: 75557.
8. Indian Design Patent No.: 393644-001, PORTABLE COMPUTER TAB, The Patent Office Journal No. 43/2023 Dated: 27/10/2023, Page No: 75578.
9. Indian Design Patent No.: 395202-001, DEVICE FOR WIRELESS TRANSACTION SECURITY, The Patent Office Journal No.44/2023 Dated:03/11/2023, Page No:76361
10. Indian Design Patent No.: 397468-001, ONLINE BANKING SECURITY MONITORING DEVICE, The Patent Office Journal No. 50/2023 Dated: 15/12/2023, Page No: 91121
11. UK Design Patent No.: 6332516, Futuristic AI-Enhanced Air Purifier for Next Generation Indoor Environmental Solutions, UK Patent Office Grant Date: 16/01/24.
12. UK Design Patent No.: 6338962, A SMART TIMEPIECE WITH BUILT-IN AIR PURIFIER, UK Patent Office Grant Date: 01/02/24.
13. UK Design Patent No.: 6342028, A Smart Scanner for Library Resources, UK Patent Office Grant Date: 12/02 /24.
14. UK Design Patent No.: 6347632, Portable Bim Scanning Device for On-the-Go Building Information Modeling, UK Patent Office Grant Date: 27/02/24.
15. Indian Design Patent No.: 404764-001, NETWORK SECURITY MANAGING DEVICE, The Patent Office Journal No. 12/2024 Dated:22/03/2024, Page No: 31269
16. Indian Design Patent No.: 404085-001, BUSINESS FINANCIAL MANAGEMENT DEVICE, The Patent Office Journal No. 12/2024 Dated:22/03/2024, Page No: 31442.
17. SMART DEVICE FOR FEDERATED LEARNING-BASED CUSTOMER EXPERIENCE MONITORING AND IMPROVEMENT IN WIRELESS COMMUNICATION SYSTEMS, Patent Granted on 01/04/2024, Published in The Patent Office Journal No. 14/2024 Dated:05/04/2024, Page No: 34711

18. Indian Design Patent No.: 407220-001, INSTITUTIONAL NETWORK SECURITY ASSESSMENT DEVICE, The Patent Office Journal No. 17/2024 Dated:26/04/2024, Page No: 40928

Research Projects Completed:

1. Completed a major Research Project entitled “*Detection and remediation of network security vulnerabilities for improved information security in organizational network*” funded by Madhya Pradesh Council of Science and Technology (MPCST), Bhopal during 2014-2017.
2. Completed a minor Research Project entitled “*Information Security Risk Management Framework for small Computing Environment*” funded by Vikram University, Ujjain during 2017-2018.
3. Completed a minor Research Project entitled “*Towards A Conceptual Framework for Mitigation of Vulnerabilities in Smart Office Devices of Internet of Things*” funded by Vikram University, Ujjain during 2018-2019.
4. Completed a minor Research Project entitled “Vulnerability Assessment For finding Security Loopholes Using Vulnerability Scanning Tools” funded by Vikram University, Ujjain during 2023-2024.

Books Published:

1. Mewada SL & Umesh Kumar Singh, River of Python Programming, Educreation Publishing, Delhi, (ISBN:978-93-91101-99-2).
2. S.S. Chandel, Umesh Kumar Singh & K.C. Phuleria, Research Methodology, Tools & Techniques (ISBN: 978-93-8315-804-1), S.K. Book Agency, New Delhi, 2014.
3. Umesh Kumar Singh & Gaurav Agrawal, Enterprise Resource Planning (ISBN: 978-81-1767-718-3-X) Shiva Prakashan, Indore, 2014.
4. Umesh Kumar Singh, Sumit Jain & Arvind Maheshwari, Fundamental of Computer Science & Information Technology (ISBN: 978-93-8117-668-9), SSDN Publishers, New Delhi, 2012
5. Umesh Kumar Singh, Sumit Jain, Arvind Maheshwari & Alaknanda Bhatt, Basic Computer Engineering (ISBN: 978-81-920322-8-3), Vikas Publishers, New Delhi, 2012
6. Umesh Kumar Singh, Internet and Web Technology, Images Publication, 2002

Book Chapters :

1. Singh Umesh Kumar & Sharma A., “Cloud computing security framework based on shared Responsibility models” **Book Chapter** in “Cyber-Physical, IoT and Autonomous Systems in Industry 4.0”, CRC press Taylor & francis group, 2021, <https://doi.org/10.1201/9781003146711> (**WoS & Scopus Indexed**).
2. Raghuvanshi A., Singh Umesh Kumar & Chirag Joshi, A Review of Various Security and Privacy Innovations for IoT Applications in Healthcare. Advanced Healthcare Systems, 2022, pp.43-58. doi: 10.1002/9781119769293.ch4

Research Guidance

- Supervision of Awarded Doctoral Thesis: **15**
- Supervision of Doctoral Thesis, under progress: **02**
- Supervision of M.Phil dissertations: **50 +**
- Supervision of MCA dissertations: **200+**

Conferences/Seminars/Workshops Organized

1. Organized IBM SkillBuild Career Guidance Workshop in Association with REACHA Foundation on 20th September, 2023 in Institute of Computer Science, Vikram University, Ujjain.
2. Organized International Webinar on Youth for Cyber Wellness in Association with Responsible Netism, Mumbai on 12th September, 2023 in Vikram University, Ujjain.
3. Organized a Workshop on health awareness and role of IT in healthcare Systems on 11th August, 2023 in Institute of Computer Science, Vikram University, Ujjain.
4. Organized a Workshop on Job opportunities in the field of Information Technology 3rd August, 2023 in Institute of Computer Science, Vikram University, Ujjain.
5. Organized a National Webinar on "Understanding of Blockchain Technology, Crypto Currency / Deep Web/ Dark Web on 27th July, 2023.
6. Organized a Workshop on Issues and Software Solutions for NAAC Accreditation on 19th April, 2023 in Institute of Computer Science, Vikram University, Ujjain.
7. Organized a IBM's Skill Build Programme in association with REACHA Foundation on 27th March, 2023 in Institute of Computer Science, Vikram University, Ujjain.
8. Organized a Faculty Development Program(FDP) on "Recent Trends in Cognitive Science and its Applications from 13th March-18th March, 2023
9. Organized a IBM's Skill Build Programme in association with REACHA Foundation on 24th February, 2023 in Institute of Computer Science, Vikram University, Ujjain.
10. Organized a National Workshop on Internet of Things on 24th February, 2023 in Institute of Computer Science, Vikram University, Ujjain.
11. Organized an International Career Counseling & Guidance Workshop on the occasion of National Youth Day on January 12th, 2023 in Institute of Computer Science, Vikram University, Ujjain.
12. Organized an International Symposium on Cyber Security and Social Engineering on December 30th, 2022 at Institute of Computer Science, Vikram University, Ujjain.
13. Organized an International webinar on Introduction to System Integration & Middleware on December 29, 2022 at Institute of Computer Science, Vikram University, Ujjain.
14. Organized an International Symposium on Cloud Computing on December 28, 2022 at Institute of Computer Science, Vikram University, Ujjain.
15. Organized an International Workshop on Office Automation on December, 27, 2022 at Institute of Computer Science, Vikram University, Ujjain.
16. Organized an ONLINE FACULTY DEVELOPMENT PROGRAM(FDP) during December 27-30, 2022
17. Organized an International webinar on "HOW ARTIFICIAL INTELLIGENCE IS TRANSFORMING THE WORLD" on December 12th, 2022 at Institute of Computer Science,

Vikram University,Ujjain.

18. Organized a National Seminar on "Machine Learning: Trends, Perspectives and Prospects" on May 12th, 2022 at Institute of Computer Science, Vikram University,Ujjain.
19. Organized a Institute level Event "Startup-ICS Competition" to promote Startup idea among the students of Institute of Computer Science, Vikram University, Ujjain on April 25, 2022.
20. Organized an International Workshop on "Cyber Security and Ethical Hacking" on April 23, 2022 at Institute of Computer Science, Vikram University, Ujjain.
21. Organized a National Workshop on "Startup India and Personality Development" on April 18 2022 at Institute of Computer Science, Vikram University, Ujjain.
22. Organized an International Webinar on "Cyber Awareness for Youth" on December 1, 2021 at Institute of Computer Science, Vikram University, Ujjain.
23. Organized a National Webinar on "Master Class on Block Chain Technology, Application and Opportunities" on November 24, 2022.
24. Organized 27th International Conference of International Academy of Physical Sciences (CONIAPS XXVII) on Mathematics and Science in Ancient India, during October 26-28, 2021 at Institute of Computer Science, Vikram University, Ujjain.
25. Organized an International Webinar on "Importance of Skill Optimization in Challenging Time" at Institute of Computer Science, Vikram University, Ujjain on October 9, 2021.
26. Organized a National Webinar on "Rashtra Purush: Dr. BhimRao Ambedkar" on September 17, 2021 at Vikram University, Ujjain.
27. Organized an International Webinar on "Scope of Automation Testing in IT Industry" at Institute of Computer Science, Vikram University, Ujjain on September 11, 2021.
28. Organized an online workshop for the students of Institute of Computer Science, Vikram University, Ujjain on "Prakrati ka Sandesh- Mitti ke ho Ganeshji" on September, 7, 2021.
29. Organized a National Webinar on "Startups and New Enterprise Setup" at Institute of Computer Science, Vikram University, Ujjain on September 3, 2021.
30. Organized a National Webinar on "Research Possibilities in Blockchain Technology" at Institute of Computer Science, Vikram University, Ujjain on September 2, 2021.
31. Organized an International Webinar on "Career Opportunities in field of DevOps" at Institute of Computer Science, Vikram University, Ujjain on August 28, 2021.
32. Organized an International Webinar on "Future of Work in Distracted Post Covid World in context of AI, Automation and People" at Institute of Computer Science, Vikram University, Ujjain on June 26, 2021.
33. Organized MPCST Sponsored "36th MP Young Scientist Congress" on virtual platform as Chief Convener during March 23-26, 2021.
34. Organized a 2 days SAKSHAM –IT Training Program, conducted by Microsoft at School of Engineering and Technology, Vikram University, Ujjain during 27- 28, September, 2017.
35. Organized a MPCST Sponsored National Seminar on Education Commissions in India as Organizing Secretary in Vikram University, Ujjain during 13-14 December, 2014.
36. Organized a National Seminar on Emerging Trends in Computing Technologies in Vikram University, Ujjain as Conference Chairman during 24-25 August, 2014.
37. Organized a MicroSoft sponsored 10 days training program for University teachers and officers conducted at Institute of Computer Science, Vikram University, Ujjain during January 16- 25, 2012.
38. Organized an AICTE sponsored National Seminar on Security and Privacy " at Institute of Computer Science, Vikram University, Ujjain. During February 28- March 1, 2007.
39. Organized an 8 days faculty development programme for the teachers at MIT, MICS, MIM and MIPS at MIT, Ujjain during May 8- 15, 2006.

40. Organized a 2 days faculty development programme for the teachers of MIT, MICS, MIM and MIPS at MIT, Ujjain during March 29- 30, 2003.

Conferences / Seminars etc. Attended

1. Attended a Conference on Traditional and Modern Healthcare under Madhya Pradesh vigyan Sammelan & Expo(MPVS-2021) jointly organized by IIT Indore, MPCST and Vigyan Bharati during 22nd-25th December, 2021.
2. Attended a one Week long Online FDP on Intellectual Property Rights in Academic Excellence, *Organized by TLC, Tezpur University in association with DPIIT IPR Chair, Intellectual Property Rights (IPR) Cell, Tezpur University* during 12-16 July 2021.
3. Attended a National Seminar on “Recent Acts of Waste Management in India” organized by Ujjain Engineering College, Ujjain on 27th July, 2019.
4. Attended One Week Faculty Development Programme (FDP) and completed training on Cyber Security & Cyber War (CnC 2019) at Department of Systemics, School of Computer Science, University of Petroleum & Energy Studies, Dehradun during 3rd June to 7th June, 2019.
5. Attended 5 days induction/refresher programme on “Recent Trends in Remote Sensing and Geographic Information System Technologies” organized by Ujjain Engineering College, Ujjain during 11th -15th, February, 2019.
6. Attended 3 days International Virat Gurukul Sammelan organized by Cultural Department of Government of Madhya Pradesh during 28-30 April, 2018.
7. Attended Indian Higher Education Knowledge Delegation Seminars at New York University, Massachusetts Institute of Technology (MIT), Harvard University, University of Connecticut, University of Pennsylvania during August 06-12, 2018
8. Attended 2 days SAKSHAM –IT Training Program, conducted by Microsoft during 27th to 28th, September, 2017.
9. Attended Higher Education Knowledge Delegation Seminars at University of Oxford, University of Cambridge, Oxford Brookes University ,Trinity College, Queen Mary University of London, Brunel University, London during July 10-16, 2017
10. Attended a World Congress of Computer Science held in University of California, Berkeley (USA) during October 19-21, 2016 and presented research paper and also chaired a technical session in this world congress.
11. Attended an ISTE Short Term Training Programme on Energy Conservation & Audit at UjjainEngineeringCollege, Ujjain (MP) during April 15 -20, 2013
12. Participated in MAPCOST sponsored National Seminar on “Intellectual Property Rights” held on 21st April, 2012 at Alpine Institute of Technology, Ujjain.

13. Participated in M.P. Govt. sponsored National Conference on “Changing Scenario of Education and M.P. University Act 1973” held during 18-19 February, 2012 at Vikram University, Ujjain.
14. Attended a 10 days IT Champion Training Program held during 16-25 January, 2012 at Vikram University, Ujjain.
15. Attended an ICCA 2010 (International Conference on Computer Applications) held at Pondicherry, India on 24-27 December, 2010.
16. Attended an MTMI, USA sponsored International Conference on Global Issues in Business & Technology held at DAVV, Indore during 22-24 December, 2009
17. Attended a 10th European Conference on Knowledge Management held at Università Degli Studi Di Padova, Vicenza, Italy on 3-4, September 2009
18. Chaired technical session in 10th European Conference on Knowledge Management held at Università Degli Studi Di Padova, Vicenza, Italy on 3-4, September 2009
19. Attended a TEQIP sponsored workshop on “Intellectual Property Rights” organized by UjjainEngineeringCollege, Ujjain on 29th March 2009.
20. Attended a two days National Seminar, Sponsored by TEQIP on “Recent Trends in Multimedia and Animation” organized by UjjainEngineeringCollege, Ujjain during, April 16-17, 2007.
21. Attended a two days National Seminar – NSSCM-07, Sponsored by TEQIP on “Soft Computing Methodology” organized by UjjainEngineeringCollege, Ujjain during, March 19-20, 2007.
22. Attended a two days, TEQIP Sponsored Workshop on “VLSI Technology” organized by UjjainEngineeringCollege, Ujjain during, February 24-25, 2007.
23. Attended a 21 days UGC sponsored refresher course in Computer Science organized by AcademicStaffCollege, Jamia Millia Islamia, New Delhi during December 7-28, 2006.
24. Attended a three days-AICTE Sponsored National Seminar on “Engg. applications and Network Security using Neural Networks and Fuzzy Logic” organized by Mahakal Institute of Technology, Ujjain during Aug. 16-18, 2006.
25. Attended a UGC Refresher Programme on “Computer Application and Knowledge Management”, School of Studies in Library and Information Science (Faculty of Information Technology), VikramUniversity, Ujjain, from Jan. 04-24, 2005.
26. Attended a National workshop on “Water harvesting (for Technical Education Quality Improvement Programme [TEQIP]”, UjjainEngineeringCollege, May 15-17, 2005.
27. Attended an ISTE Winter School, on “ Environmental Management : Challenges in 21st Century “,UjjainEngineeringCollege, Ujjain, Dec., 20-31, 2004.
28. Attended an International Conference on “ Knowledge management” , International Institute of Professional Studies (IIPS), D.A.V.V., Indore, October 21-22, 2002.
29. Attended a National Seminar on “ Management Information System in Technical Education”,

UjjainEngineeringCollege, Ujjain, I.S.T.E. sponsored, March 10-11, 2002.

30. Attended a Refresher Programme on “ Mathematical Algorithms and Computer Applications”, AcademicStaffCollege, R.D.V.V., Jabalpur (MP)-India, March 19 to April 07, 2001.
31. Attended a Refresher Programme on “Research Methodology on Population Development and Continuing Education’ School of Studies in Continuing Education, Vikram University, Ujjain , September 6- 26, 2000.
32. Attended an AICTE-ISTE summer school on “ Microprocessor Controlled Environmental Instrumentation “GovernmentEngineeringCollege, Ujjain, June 7-19, 1999
33. Attended an Orientation Programme for Technical Teachers, AcademicStaffCollege, DAVV, Indore, Nov.10, 1997 to Dec. 06, 1997.
34. Attended a Workshop on “ POWER BUILDER “ , NIIT, New Delhi, from 12-06-1995 to 16-06-1995 (as a sponsored candidate of CMC Ltd, New Delhi).

Awards and Distinctions

- ❑ Honored by “Young Scientist Award - 1997”, by M.P. Council of Science and Technology, Bhopal (MP).
- ❑ Awarded by “Best Trainer” award by CMC Ltd. (Education and Training Division), New Delhi for recognition of efforts and devotion to duty displayed to conduct the training course “ Certificate Training programme for Banks” at Alwar (Rajasthan).
- ❑ Received Travel Grant from DST, New Delhi to attend 10th European Conference on Knowledge Management held at Università Degli Studi Di Padova, Vicenza, Italy during 3-4, September 2009
- ❑ Received Appreciation Award, from United States of America Department of Commerce, USA and AICTE, New Delhi for my contribution towards making “Indian Higher Education Knowledge Delegation to the USA” successful and beneficial to the academic fraternity, in August, 2018.
- ❑ Received Appreciation Award, from ASSOCHAM and AICTE, New Delhi for my contribution towards making “Indian Higher Education Knowledge Delegation to the United Kingdom” successful and beneficial to the academic fraternity in July, 2017.
- ❑ Received Honorary Appreciation cum Felicitation Award 2017 from GR Foundations in recognition of my efforts and contribution made in development of academic and Industry participation for the betterment of education in August, 2018.
- ❑ Received Travel Grant from Vikram University, Ujjain to represent Vikram University, Ujjain in World Congress of Computer Science held in University of California, Berkeley (USA) during October 19-21, 2016 and present research paper and to chair a technical sessions in this world congress.
- ❑ Received Travel Grant from GR Foundations to represent Vikram University as a member of Indian Higher Education Knowledge Delegation to the United Kingdom and visited

many renowned universities and colleges of UK including University of Oxford, University of Cambridge, Oxford Brookes University, Trinity College, Queen Mary University of London, Brunel University, London during July 10-16, 2017

- ❑ Received Travel Grant from AICTE, New Delhi to represent Vikram University as a member of Indian Higher Education Knowledge Delegation to the United States of America (USA) and visited many renowned universities and colleges of USA including New York University, New York, Massachusetts Institute of Technology (MIT), Boston Harvard University, Boston, University of Connecticut, University of Pennsylvania.etc. during August 06-12, 2018.
- ❑ Received Excellence Award from Vikram University, Ujjain for successfully organizing “36th MP Young Scientist Congress “during March 23-26, 2021 on virtual platform as Chief Convener.
- ❑ Received Excellence Award from Vikram University, Ujjain for accelerating skill development activities and organizing “International Webinar” on 26th June, 2021 on virtual platform as Chief Convener.
- ❑ Received Excellence Award from Vikram University, Ujjain for initiating and founding/establishing 10 innovative cells in Institute of Computer Science for the benefit and betterment of the students in July, 2021.
- ❑ Received Excellence Award from Vikram University, Ujjain for accelerating the activities in University Incubation Centre and initiating and directing the startups activities and starting 9 startups in July, 2021.
- ❑ Received Appreciation Award from Vikram University, Ujjain for providing support and supervision for development of a documentary movie of Vikram University, Ujjain in July, 2021.
- ❑ Received Excellence Award-2023 from Police Headquarter Madhya Pradesh, Bhopal for Contribution in designing and guidance in course of Cyber Security for the police trainees.

Association with Professional Bodies

Committees and Boards:

- Member Program Committee, 3rd International Conference on Internet of Things (CIoT 2021) to be held at Toronto, Canada during 25-26 September, 2021.
- Member, Program Committee, 13th International Conference on Networks & Communications (NeCoM 2021) to be held at Dubai, UAE during February 20-21, 2021 (<https://necom2021.org/committee>).
- Member, Advisory Committee, International Conference on Emerging Trends in Science and Technology, held during 13-14, February, 2021. (<https://www.virtualcom.in/committee.php>)
- Member, Technical Committee, International Conference on Advances in Computer Engineering and Communication Systems (ICACES-2020) to be held at VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad during 13-14, August, 2021.
- Member, Technical Program Committee (TPC), 2nd International Conference on Computing, Communications and Cyber Security (IC4S-2020), held at IET, New Delhi during 3-4

December, 2020.

- Member, Technical Committee, International Conference on Advances in Computer Engineering and Communication Systems (ICACES-2021) to be held at VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad during 29-30, May, 2020.
- Keynote Speaker, National Conference on Emerging Trends in Information Technology (NCETIT-2019) organized by Kalindi College, University of Delhi during 1-2 August, 2019. (http://kalindi.du.ac.in/uploads/a2018-19/CS/NCETIT-2019%20brochure_dateextended.pdf)
- Member, Program Committee, International Conference on Energy Engineering and Smart Grids 2018 (ESG'2018) held at United Kingdom (UK) during June, 25-26, 2018. (https://www.aconf.org/conf_159220.html)
- Member, Program Committee and Invited to conduct Special Session at International Conference on Communication, Management and Information Technology (ICCMIT-2018) held at Spain during April 2-4, 2018. (<https://www.iccmit.net/>)
- Member, Advisory Committee, International Virtual Conference on Computer Science Engineering and Technology, held on Virtual Platform during 25-28, December, 2016.
- Member of Review Committee of International Journal of Network Security.
- Member, Technical Review Committee, International Journal of Computer Science and Information Security (ISSN: 1947-5500)
- Member, Advisory Board, International Research Journal of Computer Science (ISSN: 2393-9842) (<https://irjcs.com/advisory-board>)
- Member, Technical Review Committee, International Journal of Computer Science and Information Technology (IJCSIS) (ISSN: 1947-5500) (<https://sites.google.com/site/ijcsis/ijcsis-reviewer-list>)
- Member, Review Committee, International Journal of Computer Science Issues (IJCSI), (ISSN:1694-0814) (www.ijcsi.org)
- Editor-in-Chief, International Journal of Scientific Research in Network Security and Communication (ISSN: 2321-3256) (https://www.ijrnsc.org/edu_board.php)
- Editor-in-Chief, Indianjournal.com
<http://www.indianjournals.com/ijor.aspx?target=ijor:ijrnsc&type=eboard>
- Executive Editor, International Journal of Scientific Research in Computer Science and Engineering (ISSN: 2321-3256) (https://www.isroset.org/journal/IJSRCSE/edu_board.php)
- Executive Editor, International Journal on Computer Sciences and Engineering (ISSN: 2347-2693) <https://www.ijcseonline.org/editorialboard.php>
- Member, Advisory Board, International Journal of Engineering Science and Innovative Technology (IJESIT) (ISSN: 2319-5967) https://www.ijesit.com/page.php?link_id=2
- Member, Editorial Board, International Journal of Advances in Engineering & Technology (ISSN: 2231-1963).
- Member, Editorial Board, International Journal of Engineering and Innovative Technology (ISSN:2277-3754-Online)
- Member, Editorial Board, World of Computer Science and Information Technology Journal (ISSN: 2221-0741).

- Member, Editorial Board, International Journal of Engineering, Science and Innovative Technology (ISSN:2319-5967)
- Member of Conference Committee in 14th European Conference on Knowledge Management - ECKM 2013 held at Kaunas University of Technology, Kaunas, Lithuania during 5-6 September 2013.
- Member of Conference Committee in 13th European Conference on Knowledge Management - ECKM 2012 held at Universidad Politécnic de Cartagena, Spain during 6-7 September 2012
- Member of Review Committee of 4th IEEE International Conference on Computer Science and Information Technolgy (ICCSIT 2011) held at Chengdu, China during June 10-12, 2011 (Review Code: ICCSIT-EN40009).
- Member of Review Committee of 3rd International Conference on Machine Learning and Computing (ICMLC 2011) held at Singapore during February 26-28, 2011 (Review Code: VIP-ICMLC-C01116)
- Member of Reviewer Committee (Committee Code: EN-C01116) of 3rd International Conference on Mechanical and Electrical Technology (ICMET 2011) held at Dalian, China. August 26-27, 2011
- Member of Conference Committee in 12th European Conference on Knowledge Management - ECKM 2011 held at University of Passau, Germany during 1-2 September 2011
- Member of Technical Committee in “The 2010 International Conference on Manufacturing Science and Technology (ICMST 2010)” held at Kuala Lumpur in November 26-28, 2010.
- Member of Conference Committee in 11th European Conference on Knowledge Management - ECKM 2010, Universidade Lusíada de Vila Nova de Famalicão, Famalicão, Portugal during 2-3 September 2010.
- Member of Conference Committee in 6th International Conference on Intellectual Capital, Knowledge Management & Organisational Learning held at McGillUniversity, Montreal, Canada during 1-2 October 2009
- Member of Conference Committee in 10th European Conference on Knowledge Management to be held at Università Degli Studi Di Padova, Vicenza, Italy during 3-4 September 2009.
- Member of Conference Committee in 9th European Conference on Knowledge Management held at Southampton Solent University, Southampton, UK during 4-5 September, 2008
- Member of Conference Committee in 8th European Conference on Knowledge Management held at Barcelona, Spain during 6-7 September 2007.

Memberships:

- Life Member (LM 92178) of The Indian Society for Technical Education (ISTE) since 2013.
- Senior Member of International Association of Computer Science and Information Technology (IACSIT), Singapore
- Member (105197) of International Association of Engineers (IAENG), Hong Kong
- Member of Internet Society, Geneva, Switzerland