

## Faculty Profile



<b>Name</b>	<b>DR. VIJAY GUPTA</b>
<b>Designation</b>	Associate Professor
<b>Date of Birth</b>	9/30/1976
<b>Department</b>	MCA
<b>Academic Qualifications</b>	PhD- Awarded PG- M. Tech(C.S.), DOEACC B-Level , MBA UG- B.Sc Any Other- M.Sc.( Computer Science)
<b>Total Experience in Years</b>	Teaching: 21 Years  Industry: 1.5 Years
<b>Research Areas/ Areas of Interest</b>	Software Engineering, Data Warehousing, Data Mining and Databases
<b>Significant Publications: Books</b>	"E-Banking and Security Transactions" published by Allied Publications, Jaipur.
<b>Units/ Chapters Authored Papers in Journals</b>	<b>International:</b> No: 7 Details: <ul style="list-style-type: none"><li>• Singh C and Gupta, V (2022). Framework for Faster Index Search. SPRINGER, Published in Rising Threats in Expert Applications and Solutions, Lecture Notes in Networks and Systems 434, <a href="https://doi.org/10.1007/978-981-19-1122-4_46">https://doi.org/10.1007/978-981-19-1122-4_46</a></li><li>• Gupta V. (2022, December). An Analysis and Visualization of Data Professional's Salary in India – 2022 using R. OORJA: An Annual Referred International Journal of Management &amp; IT. ISSN : 0974-7869 ISSN: 2395-6771 (Online)</li><li>• Gupta V. (2019, May). An Analysis of Data Visualization tools. International Journal of Computer Applications (IJCA). ISSN: 0975-8887.</li><li>• Gupta, V and Sharma, Y (2017). Digital India: Initiatives, Modes and Effect in Current Scenario. International Journal of Innovations &amp; Advancement in Computer Science IJIACS ISSN 2347 – 8616 Volume 6, Issue 3 March 2017</li><li>• Gupta, V and Singh, J( 2014) . A Review of Data Warehousing and Business Intelligence in different perspective. International Journal of Computer Science and Information Technologies, 5(6), 8263-8268, ISSN: 0975-9646</li><li>• Gupta, V (2013). Metadata Management in Data Warehousing and Business Intelligence. International Journal of Research in Commerce, IT &amp; Management. 3(3), ISSN 2231-5756</li><li>• Gupta, V. (2004) .RFID. International Journal of Management &amp; IT: OORJA, ISSN:0974-7869</li></ul>

**National :**

No: 3

Details:

- Khushboo Choudhary & Dr. Vijay Gupta. TV Show Popularity Analysis Using Data Mining. IMPETUS Xavier's Interdisciplinary Research Journal. ISSN: 2278-0254
- Akanksha Sharma & Vijay Gupta (March 2020). Comparative Study of Agile Methodologies in Mobile Application Development. i-manager's Journal on Mobile Applications and Technologies, Vol. 6, No. 2 , July - December 2019
- Sharma L. & Gupta V. (May 2019). A Comparative Study of Data Analytics Open Source Tools. National Journal of Multidisciplinary Research and Development. ISSN: 2455-9040

**Papers Presented in Conferences****International**

No: 8

Details:

- Paper Presented on "An Analysis of Data Storage in Relational Database Management System and NoSQL Database" in ICMIT-2022: Digital Transformation for Reinventing Competitive Advantage: Impact and Future Scenario, held in International School of Informatics and Management, Jaipur on 09-10 September, 2022.
- Paper Presented on "Impact of Digital Transformation in Current Scenario" in ICMIT-2022: Digital Transformation for Reinventing Competitive Advantage: Impact and Future Scenario, held in International School of Informatics and Management, Jaipur on 09-10 September, 2022.
- Paper Presented on "Green Computing: A better way to use Technology" in ICMIT-2021: Inter-Disciplinary Research in Computer Science and Management for achieving Sustainable Development, held in International School of Informatics and Management, Jaipur on 20-21 August, 2021
- Paper Presented on "The Impact of Machine Learning and AI on Manufacturing" in ICMIT-2019: Evolving Research Frontiers in Management and Computer Science, held in International School of Informatics and Management, Jaipur on 11-12 April, 2019
- Paper Presented on "TV Show Popularity Analysis Using Data Mining" in ICMIT-2019: Evolving Research Frontiers in Management and Computer Science, held in International School of Informatics and Management, Jaipur on 11-12 April, 2019
- Paper Presented on "Recent Trends in Cognitive Analytics" in ICMIT-2018: Business Intelligence and Analytics: Emerging Strategies and Technologies, held in International School of Informatics and Management, Jaipur on 12-13 April, 2018.

- Paper Presented on " A Statistical Analysis of Impact of metadata in data warehousing" in INDIACOM-2016, IEEE Conference ID 37464, Computing for Sustainable Global Development, held in Bharati Vidyapeeth, New Delhi on 16-18 March, 2016.
- Paper Presented on " Improvement in Teaching and Learning through Data Mining and Data Analytics" in ICMIT-2015, Technical and Higher Education in India: Emerging Trends held in ISIM , Jaipur on 10-11 April, 2015

**National**

No:2

Details:

- Paper published on "Metadata Management in Data Warehousing" in National Conference on Role of Information and Communication Technology in Higher Education, Sponsored by UGC, New Delhi held in Seth Motilal(P.G.) College, Jhunjhunu on 12-13 Feb. 2012
- Paper Published on "Data Warehousing" in ETA-2006, Conference held in Saurashtra University on 1st -2nd Oct.2006

**Cases Published** -  
**Newspapers/ Magazine Articles** -  
**PhD Guide**  
**Field & University**  
**PhD Guided/ Under Guidance** 4  
**Professional Memberships**  
**Consultancies/ Research Projects Undertaken** -  
**MDPs Undertaken** -  
**Awards and Recognitions** -  
**Invited Speeches and Invitations as Resource Person for FDPs/ Workshops/ Seminars**

**Field:** Computer Science **University:** Rajasthan Technical University

- Computer Society of India – Jaipur Chapter with Membership ID: 2010000389
- Keynote Speaker: National Conference on Recent Trends & Innovations in Science, Technology and Management (NCRTISTM-2022), Compucom Institute of Information Technology & Management, Jaipur. February 28, 2022.
- Rapporteur at ICMIT-2022: Digital Transformation for Reinventing Competitive Advantage: Impact and Future Scenario, held in International School of Informatics and Management, Jaipur on 09-10 September, 2022.
- Rapporteur at International Conference on Multidisciplinary Academic Research & Development( Online), Jointly hosted by Himalayan Garhwal University, Uttarakhand & National Productivity Council. New Delhi on October 9<sup>th</sup> and 10<sup>th</sup> October, 2021.
- Rapporteur at ICMIT-2021: Inter-Disciplinary Research in Computer Science and Management for achieving Sustainable Development, held in International School of Informatics and Management, Jaipur on 20-21 August, 2021.
- Resource Person for Value Added Course in Office Administration at Indus International University, Una,

Himachal Pradesh. On June 13, 2020.

- Resource Person for Excel Workshop for MBA students at IIIM in March 2019.
- Session Chair: International Conference on Emerging Trends in Expert Applications & Security (ICETEAS-2018), Jaipur Engineering College & Research Centre, Jaipur, INDIA, February 17-18, 2018
- Resource Person for Information Technology Workshop for MBA students at IIIM on March 15, 2017
- Resource Person for Excel Workshop for MBA students at IIIM on April 18, 2017

**Editorial Appointments/  
Reviewer**

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**Conference Committee  
Memberships**

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**Academic Committee  
Memberships**

- External examiner/ paper setter for Banasthali Vidyapeeth, University of Kota, Rajasthan Technical University, University of Rajasthan, Lachoo Memorial College of Science and Technology, Makhanlal Chaturvedi Rashtriya Patrakarita Vishwavidyalaya Computer Science theory/ practical Examinations

**FDP/Workshops  
attended**

- Participated in the AICTE Recognized Faculty Development Programme on Cloud, Fog and Edge Computing Conducted by Computer Science and Engineering Department from 18-23 September, 2023 (One Week) organized by NITTR, Chandigarh.
- Participated in Faculty Development Programme on "Mathematical Foundations for Data Science" conducted by the Department of Computer Science and Engineering & Department of Mathematics National Institute of Technology Warangal from 11-15 March, 2022.
- Participated in Faculty Development Programme on "Innovations and Research Trends in Artificial Intelligence" 21<sup>st</sup> February to 26<sup>th</sup> February, 2022, Centre for Artificial Intelligence, Banasthali Vidyapith.
- Participated in Faculty Development Programme on "Advanced Excel with Data Visualization" 20<sup>th</sup> July 2021 to 25<sup>th</sup> July 2021(One Week), E & ICT Academy, IIT Kanpur.
- Participated in five day online Faculty Development Programme on "on Universal Human Values for DEEKSHARAMBH (Student Induction Program)" organized by NIT Patna during 23-27 November 2020.
- Participated in 5 Days RTU TEQIP-III Sponsored Faculty Development Programme on "Blockchain & Its Applications" jointly organized by RTU Kota and Poornima Institute of Engineering & Technology, Jaipur held from 15- 19 September, 2020.
- Participated in One day Workshop on "District level Consultative and Orientation Workshop" held on 7<sup>th</sup> July 2020 at MNIT, Jaipur.

- Participated in Faculty Development Programme on "Advanced Data Science and its Applications" conducted Department of CSE & IT, BVRIT HYDERABAD College of Engineering for Women from 22- 26 June, 2020.
- Participated in Faculty Development Programme on "Emerging Trends in Research Methodologies "conducted M. M. Institute of Computer Technology and Business Management (MCA), Maharishi Markandeshwar (Deemed to be University), Mullana-Ambala held on 9th June, 2020.
- Participated in Faculty Development Programme on "Next Generation Intelligence "conducted by Computer Society of India, St. Peter's Institute of Higher Education and Research, Chennai from 20-25 May, 2020.
- Participated in One day Online Workshop on" Image Classification using MATLAB" conducted by Dept. of CSE,
- SCSE, Jain Deemed to be University, Bangalore held on 24th May, 2020.
- Participated in Faculty Development Programme on "Drum Circle" conducted by IIIM, Jaipur held on 18th April, 2018.
- Participated in Faculty Development Programme on " Python Programming Language "conducted by TechnoGlobe, Jaipur at International School of Informatics and Management, Jaipur from 21-23 Feb., 2018.
- Participated in Faculty Development Programme on " Android Developer Fundamentals Training" conducted by Google and RTU Kota at International School of Informatics and Management, Jaipur from 13-17 November, 2017.
- Participated in Faculty Development Programme on " SciLab Software" conducted by Spoken Tutorial Project of IIT Bombay, at International School of Informatics and Management, Jaipur held on 12<sup>th</sup> July, 2017
- Participated in Faculty Development Programme on "Effective Teaching and Research Methods for Academicians, Research Scholars and Practitioners " conducted by AIMS at International School of Informatics and Management, Jaipur held from 07-08 July, 2017
- Participated in Faculty Development Programme on "Libre Office Suite Calc Software " conducted by Spoken Tutorial Project of IIT Bombay, at International School of Informatics and Management, Jaipur held on 11<sup>th</sup> July, 2017
- Participated in the Faculty Development Programme on "BlueMix Enablement" conducted by IBM Software, India at International School of Informatics and Management, Jaipur held on 23<sup>rd</sup> July, 2014.
- Participated in the Faculty Development Programme on "Disaster Management, Quality Assurance & Software Estimation, Information Security, Green IT " conducted by Tata Consultancy Services at JECRC, Jaipur held on 10<sup>th</sup> July, 2012.
- Participated in the Faculty Development Programme on "Application of Information Security & Risk Management" conducted by Tata Consultancy Services at Poornima College of Engineering, Jaipur Campus held on 4<sup>th</sup> September, 2010.

- Participated in a Faculty Development Programme on "Developing World Class Teaching Competencies: A New Perspective" sponsored by AICTE, New Delhi in Collaboration with RTU, Kota held by International School of Informatics & Management, Jaipur from 01-15 May, 2008.
- Participated in a Faculty Development Programme –FEEL Teacher organized by College for Leadership and Human Resource Development (CLHRD), Manglore at International College for Girls, Jaipur from 25-27 April , 2005.
- Participated in a Faculty Development Programme on "Road Map to Sustaining Academic Excellence in Management & IT Education" organized in Collaboration with Rajasthan Technical University, Kota held by International School of Informatics & Management, Jaipur from 18 to 31 July 2007.
- Participated in Faculty Development Programme on "Innovative Techniques in Management: Research & Cases" organized by International Institute of Informatics and Management, Jaipur held on 17 December, 2006.
- Participated in Faculty Development Programme on "Road Map to Sustaining Academic Excellence in Management & IT Education" organized by International School of Informatics and Management, Jaipur from 18-31 July, 2007.
- Participated in Faculty Development Programme on "Developing World Class Teaching Competencies: A New Perspective" sponsored by AICTE, New Delhi in Collaboration with RTU, Kota organized on 1-15 May, 2008.
- Participated in the Refresher Course on "National Service Scheme Programme Officers" at the HCM Rajasthan State Institute of Public Administration from 26<sup>th</sup> to 30<sup>th</sup> March, 2012.
- Participated in a Two-week ISTE WORKSHOP on Software Development Techniques for Teachers of Engineering and Science Institutes conducted by Indian Institute of Technology Bombay from 5<sup>th</sup> Nov. to 4<sup>th</sup> Dec., 2011.
- Participated in Five-day workshop on "Data Mining Techniques for Bioinformatics" organized by Advanced Bioinformatics Centre Birla Institute of Scientific Research, Statue Circle, Jaipur.

### **Webinars Attended**

- Participated in International Webinar Series for Business Research Organized by School of Business Studies, Himgiri ZEE University, Dehradun from 14th December to 22nd December 2023.
- Participated in One Day National Webinar on "Data Science and Applications " Conducted on 23rd May 2020. Sponsored by Technical Education Quality Improvement Programme (TEQIP III) Jointly Organized By Government College of Engineering, Aurangabad & Karad (M.S.) Along with mentee institutes Rajkiya Engineering College Azamgarh (U.P.) & Ujjain Engineering College, Ujjain (M.P.)
- Participated in International Webinar on "Challenges of Higher Education : E-Learning During Covid 19 " on 23<sup>rd</sup> May, 2020, organized by National College, Tiruchirappalli, Tamil Nadu.

- Participated in Webinar on "Recent Trends in Computer Science" on 8th July 2020, jointly organized by Yelagiri Hills ACM Chapter and School of Computing Science.

### **Certificate Courses**

- Duke University Course Certificate on "Introduction to Probability and Data With R" through Coursera.
- IBM Certified Database Associate – DB2 9 Fundamentals
- IBM Certified Solution Designer - Rational Functional Tester for Java
- IBM Certified Associate Developer -- Rational Application Developer for Web Sphere Software V6.0
- IBM Certified Solution Developer - WebSphere Integration Developer V6.2
- IBM Certified Associate System Administrator - Lotus Notes and Domino 8