Dr. Preeti Tiwari

577, Nirman Nagar AB, Kings
Road, Jaipur-302019
Preeti.tiwari@icfia.org
8875003216

Academic Qualifications	**PhD** A Hybrid of Ant Colony Optimization for Join Queries in Distributed Databases (Awarded in Dec 2018 from IIS (Deemed to be UNIVERSITY), Jaipur) **PG** MCA (2001), University of Rajasthan, Jaipur **UG** BSc (Hons.) Chemistry with Industrial Microbiology (1997) University of Rajasthan, Jaipur **Any Other** BBM (Bachelors in Business Management) (1998) Jain Vishva Bharti Univerisity, Ladnun
Current Employment (Since 2010 - till date)	International School of Informatics & Management, Technical Campus, Sector-12, Mahaveer Marg, Mansarovar, Jaipur-303019
Teaching Experience	Total Teaching: 18 Years Industry: 1 Year
Research Areas/ Areas of Interest	Database Management System, Soft Computing, Evolutionary Algorithms

Papers Published in International Journals	1)	Jain N, Tiwari P., **(January- March, 2023)** Join Order Query Optimization Using Hive In The Big Data Environment, International Journal of Innovations & Research Analysis (IJIRA), Volume 03, No. 01(II), , pp 47-54, ISSN :2583-0295, Impact Factor: 5.449
	2)	Singh, N., Tiwari, P. **(2022)**. SQL Injection Attacks, Detection Techniques on Web Application Databases. In: Rathore, V.S., Sharma, S.C., Tavares, J.M.R., Moreira, C., Surendiran, B. (eds) Rising Threats in Expert Applications and Solutions. Lecture Notes in Networks and Systems, vol 434. **Springer**, Singapore. https://doi.org/10.1007/978-981-19-1122-4_41
	3)	Gaur, M., Tiwari, P. **(2022)**. Mobile Applications for Smart Agriculture in India: "An Analytical Approach". Rising Threats in Expert Applications and Solutions. Lecture Notes in Networks and Systems, vol 434. **Springer**, Singapore. https://doi.org/10.1007/978-981-19-1122-4_43
	4)	Jain N, Tiwari P., (**Jan-Dec 2021**). Multi- Join-Ordering Query Optimization Algorithm for Hive Warehouse with Map Reduce, OORJA: An Annual Referred International Journal of Management & IT, Volume 19/No. 1, (January – December 2021), ISSN: 0974-7869, ISSN: 2395-6771 (Online), DOI: https://doi.org/10.55399/ALEG3469
	5)	Jain N, Tiwari P., (5-6 **March 2021**). SQL based Query Optimization for Big Data, RTU TEQUIP-III, Sponsored International Conference on Advances in Electrical Computing & Sustainable Technology AECCST-2021, RTU Kota & Ayra Institute of Engineering & Technology, pp 98-109, ISBN: 978 - 93 - 5473 - 462 – 5
	6)	Tiwari, P., Chande, S.V. **(2019)**. Join Query Optimization Using Genetic Ant Colony Optimization Algorithm for Distributed Databases. Emerging Technologies in Computer Engineering: Micro-services in Big Data Analytics. ICETCE 2019. Communications in Computer and Information Science (CCIS), vol 985, pp. 224-239. **Springer**, Singapore. ISBN 978-981-13-8300-7 (eBook), ISSN 1865-0937 (electronic), https://doi.org/10.1007/978-981-13-8300-7_19
	7)	Verma A. and Tiwari P. **(2019)** Comparison of Clustering Techniques for Big Data, Journal of Emerging Technologies and Innovative Research (JETIR), April 2019, 6 (4), 604-606, ISSN : 2349-5162 **(UGC Approved, Impact Factor: 5.87)**
	8)	Tiwari, P., & Chande, S. V. **(2019),** Optimal Ant and Join Cardinality for Distributed Query Optimization Using Ant Colony Optimization Algorithm, In Emerging Trends in Expert Applications and Security, Advances in Intelligent Systems and Computing (AISC), **Springer**, Singapore, Vol. 841, pp. 385-392, https://doi.org/10.1007/978-981-13-2285-3_45
	9)	Tiwari, P., and Chande S. V. **(2015)** Hybrids of Ant Colony Optimization Algorithm- A Versatile Tool, International Journal of Engineering Development and Research (IJEDR) , 3(2), 374-381, e-ISSN: 2321-9939, Impact Factor: 1.79 (Calculated by UIF), http://www.ijedr.org/papers/IJEDR1502071.pdf(UGC Approved)
	10)	Jain A., Chande S.V. and Tiwari P. **(2014)** Relevance of Genetic Algorithm Strategies in Query Optimization in Information Retrieval, International Journal of Computer Science and Information Technologies (IJCSIT), 5(4), 5921-5927, ISSN: 0975 9646 (**UGC Approved**)

11) Tiwari P., and Jain A. **(2013)** Query Optimization Strategies in Distributed Database, International Journal of Advances in Engineering Sciences (IJAES), 3(3), 23-29, e-ISSN:2231-0347, print-ISSN:2231-2013

12) Tiwari, P., and Chande S. V. **(2013)** Optimization of Distributed Database Queries Using Hybrids of Ant Colony Optimization Algorithm, International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE) , 3(6), 609-614, ISSN No:2277 228X (**UGC Approved**)

13) Dixit K., Tiwari P., Tiwari P., **(2014)** Infusing Health and nature in Customer's Lives through Innovative Organic Initiatives: A Case Study of the Living Greens Organics Pvt. Ltd., BIMTECH 2014 - Strategic Initiatives for Competitive Advantage in the Knowledge Society Published by BloomsBury Publishing India Pvt. Ltd, New Delhi, ISBN : 978-93-82951-43-8

Papers Presented in International Conferences	1. Presented Research Paper on "Conversational Response Analysis using Chatbots" in 9th International Conference on management and IT – Evolving Research Frontiers in Management and Computer Science (ICMIT 2019) organized by IIIM, IIS deemed to be University, Jaipur and Indus International University, Una, HP, **11-12 April 2019**

2. Presented Research Paper on "Empirical Analysis of Swap Mutation Probability in genetic Algorithm" in 9th International Conference on management and IT – Evolving Research Frontiers in Management and Computer Science (ICMIT 2019) organized by IIIM, IIS deemed to be University, Jaipur and Indus International University, Una, HP, **11-12 April 2019**

3. Presented Thesis on PhD Symposium- Best PhD Thesis Award, MIND 2019, 1st International Conference on Machine Learning, Image Processing, Networks and Data Sciences, Department of Computer Engineering, National Institute of Technology(NIT), Kurukshetra, India, **March 3-4, 2019**

4. Presented a Research Paper on "Join Query Optimization using Genetic Ant Colony Optimization Algorithm for Distributed Databases" in 2nd International Conference on Emerging Technologies and Computer Engineering: Micro-services in Big Data Analytics, ICETEAS-2019, SKIT, Jaipur, **01-02 Feb 2019**

5. Presented a Research paper on "Social Media Analytics: Tools and Techniques" in 4th International Conference on "Business Intelligence & Analytics: Emerging Strategies and Techniques", ICMIT-2018 organized by IIIM, The IIS University, Jaipur and Indus International University, Una, HP on **12-13 April 2018**

6. Presented a Research Paper on "Optimal Ant and Join Cardinality for Distributed Query Optimization using Ant Colony Optimization Algorithm" in International Conference on Emerging Trends in Expert Applications and Security", ICETEAS-2018 organized by Jaipur Engineering College and Research Center (JECRC), Jaipur on **17-18 February 2018**.

7. Presented a Research Paper on "Urban Farming: Converting Concrete Jungles into Lush Green Farms" in 3rd International Conference on "Transforming India: Initiatives, Challenges and Road Ahead", ICMIT-2017 organized by IIIM, The IIS University, Jaipur and Indus International University, Una, HP on **28-29 April 2017**

8. Presented a Research Paper on "Internet of Things: Impact on Security and Risk" in International Conference on Management and IT on "Big Data and Internet of Things: Technology and Impact on Business and Management",

ICMIT 2016 organized by IIIM, The IIS University, Jaipur and Indus International University, Una, HP on **16-17 August 2016**

9. Presented a Research Paper on "Optimization Strategies in Distributed Database" in 2nd International Conference on "Emerging Trends in Engineering and Management", ICETEM 2013, organized by Satpriya Group of Institutions, Rohtak (INDIA), scheduled on **20-21 July 2013**

10. Presented a Research Paper on "Query Optimization in Distributed Database Management System" in the International Conference – 6th Biocon-11 on "GenNext: The Green Engineering and Digital Era" organized by Biyani's Group of Colleges, Jaipur in **September 2011**

Papers Presented in National Conferences	1 Presented a Research Paper on "A Study on Hybrids of Ant Colony optimization Algorithm" in a National Conference on "Future Directions in Multidisciplinary Perspective of Computer Science and Information Technology: Scope & Challenges" (FDMPCSIT2015) organized by The IIS University, Jaipur scheduled on **30-31 January 2015**
	2 Presented a Research Paper on "Query Optimization in Distributed Database with Big data Context" in the Fourth National Conference on "Data Analytics and Business Intelligence" (NCMIT 2014), organized by International School of Informatics and Management and FMS- The IIS University, Jaipur scheduled on **11-12 April, 2014**
	3 Presented a Research Paper on "Query Optimization Strategies in very Large Databases" in a National Conference on "Entrepreneurship and Innovation: Catalyst and Effects", NCMIT 2013, organized by International School of Informatics and Management and FMS- The IIS University, Jaipur scheduled on **11-12 April, 2013**.
	4 Presented a Research Paper on "Query Optimization in Distributed Database Using Hybrids of Ant Colony Optimization Algorithm" in a National Conference at IMS Ghaziabad-NCETIT-12 (National Conference on Emerging Trends on Information Technology) on **24-Nov-2012**.
	5 Presented a Research Paper on "Role of Semi joins in Query Optimization in Distributed Database Environment" in the National Conference on "Innovative and Sustainable Global Solutions to Business Management and IT Issues" organized by International School of Informatics and Management and FMS- The IIS University, Jaipur scheduled on **19-20 April, 2012.**
	6 Presented a Research Paper on "IT as a Strategic Resource" in the First National Conference on "Management and Information Technology – Restructuring of Global Economy" organized by International School of Informatics and Management, Jaipur in **April 2011**.
Professional Memberships	1. Member of the Editorial Board of the quarterly magazine OORJA-Journal of Management and IT with ISSN No-0974-7869.
	2. Member of Computer Society of India – Jaipur Chapter with Membership ID: 2010000368
	3. Member, International Association of Engineers (IAENG), Hong Kong
	4. Member, Computer Science Teachers Association (CSTA), ACM, USA

Consultancies/ Research Projects Undertaken	1. Consultancy for the website development of Nest Creatives, Big Benn, Jaipur, **2016** 2. Consultancy for the website development & Customer profile development & Inventory Management of Living Greens Organics Pvt. Ltd, Jaipur, **2015**
Awards and Recognitions	1. Won "**First Prize**" in Research Paper Presentation on "A Study on Hybrids of Ant Colony optimization Algorithm" in a National Conference on "Future Directions in Multidisciplinary Perspective of Computer Science and Information Technology: Scope & Challenges" (FDMPCSIT2015) organized by The IIS University, Jaipur scheduled on **30-31 January 2015**. 2. "**Best Presentation Award**" in a 2nd International Conference "Emerging Trends in Engineering and Management" ICETEM 2013 at Satpriya Group of Institutions, Rohtak (INDIA) for research paper on "Optimization Strategies in Distributed Database" scheduled on **20-21 July 2013**. 3. "**Best Paper Award**" in a National Conference at IMS Ghaziabad-NCETIT-12 (National Conference on Emerging Trends on Information Technology) on **24-Nov-2012** on a Research Paper on "Query Optimization in Distributed Database using Hybrids of Ant Colony Optimization Algorithm".
Invited Speeches and Invitations as Resource Person for FDPs/ Workshops/ Seminars	1. Session Chair: 2nd International Conference on Emerging Trends in Expert Applications & Security (ICE-TEAS Springer 2023), Jaipur Engineering College & Research Centre, Jaipur, INDIA, **February 17-18, 2023** 2. Resource Person for Value Added Course on "Office Administration-Dynamics of MS Word" at Indus International University, Una, HP on **July 04, 2020** 3. Session Chair: International Conference on Management & IT (ICMIT-2020) on the theme Innovations in Information Technology and Business management for Sustainability at ISIM, **7-8 August 2020** 4. Resource Person for FDP : Conducted a Faculty Development Programme on Python Programming Language at IIS School on **May 16, 2018** 5. Session Chair: International Conference on Emerging Trends in Expert Applications & Security (ICETEAS-Springer-2018), Jaipur Engineering College & Research Centre, Jaipur, INDIA, **February 17-18, 2018** 6. Resource Person for Information Technology Workshop for MBA students at IIIM on **March 15, 2017**. 7. Resource Person for Orientation Programme on IP Vs. Multimedia & Web Technologies at IIS School (IBDP Programme) on **February 18, 2017**.
Editorial Appointments/ Reviewer	Member of the Editorial Board of the Biannual Journal OORJA-International Journal of Management and IT with ISSN (print) 0974-7869, ISSN (online) 2395-6771
Conference Committee Memberships	1. Organizing Secretary of International Conference of Management and IT (ICMIT 2023) on the theme "Innovations and Advances in Management and IT: Initiatives, Catalysts & Impacts", organized by IIIM, Jaipur and Knowledge Partners on **25-26 August, 2023** 2. Organizing Secretary of International Conference of Management and IT (ICMIT 2022) on the theme "Digital Transformation for Reinventing Competitive Advantage: Impact and Future Scenario", organized by IIIM, Jaipur and Knowledge Partners on **09-10-September, 2022**

3. Organizing Secretary of International Conference of Management and IT (ICMIT 2021) on the theme "Inter-Disciplinary Research in Computer Science and Management for achieving Sustainable Development Goals", organized by IIIM, Jaipur and Knowledge Partners on **20-21-August, 2021**

4. Organizing Secretary of International Conference of Management and IT (ICMIT 2020) on the theme "Innovations in Information Technology and Business Management for Sustainability", organized by IIIM, Jaipur and Knowledge Partners on **7-8 August, 2020**

5. Organizing Secretary of International Conference of Management and IT (ICMIT 2019) on the theme "Evolving Research Paradigms in Management and Computer Science", organized by IIIM, Jaipur, IIS (deemed to be University) and Indus International University, Una, HP on **11-12 April 2019**

6. Organizing Secretary of International Conference of Management and IT (ICMIT 2018) on the theme "Business Intelligence & Analytics: Emerging Strategies and Technique", organized by IIIM, Jaipur, The IIS University and Indus International University, Una HP on **28-29 April 2018**

7. Organizing Secretary of International Conference of Management and IT (ICMIT 2017) on the theme "Transforming India: Initiatives, Challenges and Road Ahead", organized by IIIM, Jaipur, The IIS University and IIU, HP on **28-29 April 2017**

8. Organizing Secretary of International Conference of Management and IT (ICMIT 2016) on the theme "Big Data and Internet of Things: Technology and Impact on Business and Management" organized by IIIM, Jaipur, The IIS University and IIU, HP on **16-17 August 2016**

9. Organizing Secretary of International Conference of Management and IT (ICMIT 2015) on the theme "Technical and Higher Education in India: Emerging Landscapes" organized by IIIM, Jaipur, The IIS University and IIU, HP on **19-20 April 2015**

10. Organizing Secretary of National Conference of Management and IT (NCMIT 2014) on the theme " Data Analytics and Business Intelligence" organized by IIIM, Jaipur on **April 11-12, 2014**

11. Organizing Secretary of National Conference of Management and IT (NCMIT 2014) on the theme "Entrepreneurship and Innovation: Catalyst and Effects" , organized by IIIM, Jaipur on **April 11-12, 2013**

12. Organizing Secretary of National Conference of Management and IT (NCMIT 2012) on the theme "Innovative and Sustainable Global Solutions to Business Management and IT Issues", organized by IIIM Jaipur on **April 19-20, 2012**

Academic	1. Member of Board of Studies, IIS (deemed to be University), Jaipur
Committee	2. Examiner at IIS (deemed to be University, Jaipur
Memberships	3. Examiner at Rajasthan Technical University, Kota
	4. Examiner at Banasthali Vidhyapeeth, Nawai, Rajasthan
	5. Examiner at University of Rajasthan, Jaipur
	6. Examiner at Poornima University, Jaipur
FDP/Workshops attended	1. Think Critical- Design and Implementation through Cognitive Thinking through Object Oriented Programming, Dr. C. K. Kumbharana, Professor and Head, Department of Computer Science, Saurashtra University, Rajkot, Gujarat, **09**

April, 2019

2. International Workshop on Digital Marketing for Management and Computer Science Graduates, Mr. Atanu Ghosh, Chairperson, Academic Board for designing and delivering International PG Diploma in Digital Marketing, Mr. Deepak Pramanik, Founder Director, SEED Academy, Mr. Nandan Sengupta, Founder-Director ESK Network and NSG Portal, **28 February, 2019**

3. Workshop on Python Programming Language, Technoglobe Training Centre, Jaipur, **21-23 February 2019**

4. Workshop on Robotic Process Automation (RPA) Technology, Mr. Nishant Goel, Founder & CEO BOT Mantra, Bengaluru, **January 17, 2019**

5. International Workshop on Roadmap to Quality Publication in Management and Computer Science, Prof. O P Gupta, MBA Department, Merilyn Davis College of Business, University of Houston-Downtown, Texas, USA, **January 07, 2019**

6. FDP on Traps of the Human Mind, Mr. Kishore Chainani, Associate Certified Life Coach & International Coach Federation, USA, **02 November 2018**

7. Workshop on Data to Information, Prof. (Dr.) Balwinder Singh, Director and Professor- In- Charge, Data Analytics & Research, Guru Nanak Dev University, **13 October, 2018**

8. Workshop on Artificial Intelligence and Deep Learning with ANNs, CNNs and RNNS by Dr. Deepak Garg, at Poornima University, Jaipur from **12-14 October 2018**

9. Workshop on Self Defense Training, Lt. Col. Joginder Singh Lamba (Retd.), National Council Member, ISTD, Jaipur Chapter, **29 September 2018**

10. Workshop on Angular with Node JS, Mr. Gaurav Bhardwaj, Business Manager – Corporates, Techavera, Noida, **18-20 September 2018**

11. Workshop on Network Simulator-3, Dr. Ramesh Chandra Poonia, Associate Professor, Amity University, Jaipur, Dr. Linesh Raja, Assistant Professor, Amity University, Jaipur, **31 August 2018**

12. Workshop on Digital Marketing, Mr. Shashank Rana, Vice President, KnowDigi (Systweak Software), Jaipur, Mr. Sanatan Jain, Manager Digital Marketing, KnowDigi (Systweak Software), Jaipur, **20 August 2018**

13. Workshop on Python Programming Language, Technoglobe Training Centre, Jaipur, **February 21-23, 2018**

14. Recent Trends in Data Mining, Dr. B Ramadoa, Professor, Dept of Computer Application, National Institute of Technology, Tiruchirappalli, Tamil Nadu, **April 21, 2018**

15. Drum Circle, IIIM, **April 18, 2018**

16. Effective Teaching and Research Methods for Academicians, Research Scholars and Practitioners, AIMS sponsored Faculty Development Programme, **July 7-8, 2017**

17. Workshop on Libre Office Suite Calc Software, Spoken Tutorial Project of IIT Bombay, **July 11, 2017**

18. Workshop on Scilab Software, Spoken Tutorial Project of IIT Bombay, **July 12,**

2017

19. Mind Management and Successful life, Brahmchari Anish Chaitanya, North – India Head, ChinmayaYuva Kendra, **July 12, 2017**

20. Stay Happy, Stay Healthy, Mr. Randeep Sharma, Akriti Labs, **November 28, 2017**

21. Importance of Data Analysis in Research, Dr. N. K Gupta, Professor, Indian Institute of Management (IIM) Lucknow, July, 16, 2016Digital Banking, HDFC Bank, **September 19, 2016**

22. Attended an Orientation Programme for Academic Counselors of MCA-BCA-CIT Programme (West Zone, IGNOU, Regional Center, Ahmadabad, **11-12 November 2016**

23. Participated in the Faculty Development Programme on "BlueMix Enablement" conducted by IBM Software, India at International School of Informatics and Management, Jaipur held on **July 23, 2014**.

Certificates

Courses

1.Certificate Course on "Rational Functional Tester (RFT)" by IBM Professional Certificated Programme in May 2010.

2.Certificate course on "IBM Certified Associate System Administrator Lotus Notes and Domino 8" by IBM Professional Certified Program in September 2011.

3. Certificate course on "DB2 9 Database and Application Fundamentals" by IBM Professional Certificated Programme in April 2012.

   Certificate course on "Rational Application Developer for Web Sphere Software V6.0" by IBM Professional Certification Program in September 2012.