

Dr. Rina
Associate Professor
Department of Computer Science and Applications
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DOB: 14th April 1981



Educational Qualifications

Ph.D. in Computer Science and Applications

Department of Computer Science, Singhania University, Rajasthan India (2013)

PhD Thesis: Challenges of Implementation in E-commerce and Data Mining in India

Ph.D. Supervisor: Dr. Bharat Bhushan, Associate Professor, Guru Nanak Khalsa College, Yamuna Nagar, Haryana.

M.Phil. (Computer Science) Department of Computer Science, J.R.N Rajasthan Vidyapeeth University, India (2006)

MCA (Master of Computer Applications)-Institute of Management and Technology (IMT) Faridabad Affiliated to M.D.U Rohtak, Haryana, India (2001-2004)

Bachelor of Science (Non-Medical) Govt. College Gurgaon, Affiliated to M.D.U. Rohtak (1998-2001)

Teaching/Research Experience

- July 02, 2020- Till Date
Associate Professor in Department of Computer science and Applications, GGDSD College, Chandigarh.
Teaching C/C++/Java programming, DBMS using Oracle
- 02 July 2007- 01 July 2020
Assistant Professor in Department of Computer Science and Applications, GGDSD College, Chandigarh.
Taught C/C++/Java programming, DBMS using Oracle, DS, Graphics, Networks, Operating systems and Software engineering.
- 01st Sept 2005 – 10th March 2006
Ad hoc Lecturer in IT in Post Graduate Government College, Sec-11, Chandigarh, Taught C Programming and Fundamentals of IT.

Areas of Interest

Ecommerce and Data Mining, RDBMS, Programming Languages C/C++/Java

Publications

(Journal/Book Chapters)

Journal Publications:

- Published a research paper “Quantum Computing: Recent Trend in Computing” Vol 11, Issue 1 January 2023 in International Journal of Creative Research Thoughts, An International open access, peer reviewed, refereed Journal, ISSN-2320-2882.
- Published a research paper “E-commerce trends post covid-19”, pp187-192 Vol. 8, Issue 29, January-March 2021 in Shodh Sarita, An International Bilingual Peer Reviewed /Refereed Research Journal, ISSN-2348-2397.
- Published a research paper “An Analysis of Occupational

Structure: A Case Study of Panchkula District”. pp 123-130, Vol. 10, Issue 39, July 2020 in SHODH SANCHAR BULLETIN An International Bilingual Peer Reviewed /Refereed Research Journal, ISSN - 2229-3620.

- Published a research paper “A Comparative Analysis of mobile Operating Systems” pp 69-73, Vol-6, Issue-12, December 2018, International Journal of Computer Science and Engineering (IJCSE) ISSN: 2347-2693.
- Published a research paper “Spatio-Temporal Analysis Urbanization in Panchkula, Haryana (India)” pp-303-306, Vol 9, Issue-4, in EDU WORLD A Multidisciplinary International Peer Reviewed/ Refereed Journal, ISSN 2319-7129, January 2018.
- Published a research paper “Data Mining Challenges and Technologies in Big Data” pp-30-36 Vol. 8, Issue 4 in EDU WORLD A Multidisciplinary International Peer Reviewed/ Refereed Journal. ISSN 2319-7129 in December 2017.
- Published a research paper “A review of image mining concepts Techniques and Challenges” pp-15906-15910, Vol. 4, Issue 9, Sept 2016 in International Journal of Innovative Research in Computer and Communication Engineering (IJRCCE) ISSN online2320-9801.
- Published a research paper “Challenges and Future Scope of E-Commerce in India” in International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Issue 2 in Vol. 5, ISSN 2278-6856, March -April 2016.
- Published a research paper “Analyzing Rapid Urbanization in Panchkula Using Geospatial Technology” in Journal of Water and Land use management, Issue 1, Vol. 16, ISSN 0973-9300, Feb 2016.
- Published “Blogs: The Long and Short of IT” Vol. 1, pp-59-60, July 2011 in *Knowledge News*”, An International Journal of Ideas , ISSN 2231-0150.
- Published a research paper “A Survey of E-commerce and Data mining” pp 176-183, Chintan Research, International Refereed Journal, Chief Editor: Dr. Sheela k, April-June, 2011, ISSN 2229-7227.
- Published a research paper “Impact of E-commerce Technology”, pp 170-172, ISSN 978-81-7072-124-6 in Emerging Trends In Computing And IT, Guru Gobind Singh Khalsa College, Sarhali (Tarn Taran), ABS Publications on 5th March, 2011.

Book Chapters:

- Published a chapter "Quantum Computing: An Overview" in “Emerging Trends in Information and Communication Technology (Volume - 1)” pp 31-35, Feb 2022, ISBN 978-93 93502-11-7.
- Edited a book “Computer Networks and Data Communication” Published by Anand Technical, Punjab ,8th edition, ISBN: 9788192671888, July, 2013.
- Edited a book titled “C programming Concepts” Published by Anand Technical, Punjab, ISBN: 9788192671819, July 2013.

**Seminars/
Conferences/Symposiums
(Paper Presented)**

- Presented a paper “Ambient Air Quality: A Case study of Chandigarh” on Global Frameworks in the Local Context: Challenges and way forward organized by Centre of Research in Rural and Industrial Development (CRRID), Chandigarh from December 5-7, 2019
- Presented a research paper “E-Waste: Environmental impact and Management in India” on theme “Climate Change Natural Disasters and Sustainable Development” organized by International Geographical Union (IGU) At Govt. P.G. College, Sector-1, Panchkula from February 22nd -24th 2019.
- Presented a research paper “Role of Technology in Sustainable Development” on theme “Climate Change Natural Disasters and Sustainable Development” organized by International Geographical Union (IGU) At Govt. P.G. College, Sector-1, Panchkula from February 22nd -24th 2019.
- Presented a research paper “A Case study of Ambient Air Quality in Panchkula City” on Global Economy Sustainable ,Tourism Climate Change organized by Department of Geography, University of Rajasthan, Jaipur from September 27-29th 2019.
- Presented a paper “E-waste: Environmental Problems and its Management” in National Seminar on Environmental issues organized by Govt. P.G College, Panchkula (Haryana) on 1st March, 2016.
- Presented a research paper “Electronic & Mobile Commerce” in National Seminar on issues and challenges of Indian economy in current Scenario organized by Govt. P.G College Panchkula (Haryana) on 10th Feb, 2016.
- Presented a research paper “Problems of Global E-Commerce” in Government College of Commerce & Business Administration, Sec-50, Chandigarh on 1 -2nd Feb 2016.
- Presented a research paper “Impact of IT on Human Resource development” in National Seminar on Human Resource organized by Dept. of Political Science, Amer Maharaja College, Amer (Rajasthan) on 9th Dec, 2015.
- Presented a research paper “Stress among working women ” on Female, Family and Fitness at Government College, Sector-1, Panchkula on 1st March, 2012.
- Presented a research paper “Strategies & Conservation of Air Pollution” on Environment Issues in North-Western India, P.G College, Panchkula on 29th Feb , 2012.
- Presented a research paper “Satellite ATM Networks” on Economic Reforms: An Unfinished Agenda , organized by GGSDS College, Sector 32-C, Chandigarh.
- Presented a paper “E-waste and Its Impact” in Climate Change Impact and Mitigation Strategy for sustainable Development, SNKP Govt. College, Neem Ka Thana (Rajasthan) on 2-3 Oct, 2010.

**Refresher
Courses/Workshops/
Training Programmes**

- Attended National Workshop on “Natural Language Processing “ by DCSA, PU, Chandigarh on March 27th ,2024.
- Attended One week National level faculty development program on

"Multi technology" from June 28th,2021 to July 3rd,2021 organized by Bodoland University, Assam in association with Brainovision India Ltd.

- FDP on Python organized by International Institute of Professional Studies with Spoken Tutorial by IIT Bombay from 1-06 2020 to 5-06-2020.
- Attended 2 Days Online workshop "National Lecture Series on "Gamification, Machine Learning, IoT & Security" Organized by Dept. of IT, GGSDS College, Chandigarh from 25-05- 2020 to 26-05-2020.
- Online "Hands on FDP: Data Science using python Organized by Dept. of IT, Jeppiaar Institute of Technology from 18-05 2020 to 22-05- 2020.
- UGC sponsored Short Term Course/Faculty Development Programme for 7 days (11.10.2019 to 17.10.2019) on "Research Methodology" organized by the HRDC, Panjab University, Chandigarh.
- Participated in Season 5 of Skycampus on the theme The Future of Skills - Education, Employment & Entrepreneurship organized by ICT Academy from 11-05-2020 to 14-05-2020.
- UGC sponsored Short Term Course/Faculty Development Programme for 7 days (18.12.2018 to 24.12.2018) on "Gender Sensitization" organized by the HRDC, Panjab University, Chandigarh.
- UGC sponsored Refresher Course for 21 days (22.11.2016 to 12.12. 2016) in "Emerging Issues in IT(Interdisciplinary) organized by the HRDC, Panjab University, Chandigarh.
- Attended FDP/Instructional Skills Workshop (ISW) organized by Goswami Ganesh Dutta Sanatan Dharma College, Sector 32-C, Chandigarh. And University of Fraser Valley from 14th -20th Oct 2015.
- Refresher Course for 21 days (03.03.2012 to 23.03. 2012) organized by HRDC, Panjab University, Chandigarh.
- Orientation Course for 28 days (02.09.2011 to 29.09.2011) organized by HRDC, Panjab University, Chandigarh.

Invited Talks

- Delivered a lecture on "Operating System & its Types" in Shekhawati Institute of Engineering & Technology on 13 Oct 2016.
- Delivered a lecture on "Cyber Crime & Security Issues" in Shekhawati Institute of Engineering & Technology on 14 Oct 2016

MOOCS/Online Content

- YouTube channel for online lectures <https://youtube.com/@creativelearning8731?feature=shared>

Administrative Experience

- Member Undergraduate Board of Studies, Dept of Computer Science, Panjab University, Chandigarh for the term 01/04/2023 to 31/03/2025.
- Organising Secretary, ICSSR Sponsored National Seminar on Recent Trends in IT on March 25, 2022.
- Coordinator Workshop on "Meanstack Technology", Organised by GGSDS College, Chandigarh with sebiz infotech, Mohali, September 11th,2021.

- Member, Organizing Committee of Lecture Series on "Gamification, Machine Learning, IoT & Security" held on 25th May 2020 to 26th May 2020.
- Member Organizing Committee, "Climate Change Natural Disasters and Sustainable Development" organized by International Geographical Union (IGU) At Govt. P.G. College, Sector-1, Panchkula from February 22nd -24th 2019.
- Sub registrar of IT, GGSD College, Chandigarh from 2017-2019.
- Admission Incharge of BCA-3rd Sem and M.Sc(IT) 1st and M.Sc(IT) 3rd Sem.
- Coordinator of Vocational Course BA/B.Sc (IT)
- Member, Organizing Committee of PHOENIX
- Member Organizing Committee, "Emerging trends in IT: Challenges & Strategies " at GGSD College, Sector-32, Chandigarh, 31st January 2014.

DR. RINA