

Publications:**Chapters in Edited Books :****Research Papers in Journals**

- "Cloud Computing: A Milestone in Information Technology" published in "International Journal of Engineering and Computer Science" With ISSN: 2319-7242 Volume 4 Issue 7 July 2015, Page No. 13138-13143.
- "E-Commerce" published in quarterly Journal issue of "Advances in Economics and Business Management (AEBM)" published by Krishi Sanskriti Publication in April-June, 2015 Volume 2, Number 10; with Print ISSN : 2394-1545; Online ISSN : 2394-1553 on Page no. 1021-1034.
- M-Commerce: A Revolution in E-Business, International Journal of Engineering and Computer Science (IJECS), ISSN: 2319-7242; Volume 4, Issue 7; July 2015, pp. 13539-13543.
- Review of Social Collaborative Filtering Recommender System's Methods, International Journal of Engineering and Computer Science ISSN: 2319-7242, Volume 4 Issue 11 Nov 2015, Page No. 14927-14932 as a co-author.
- Programming Paradigms in the Context of the Programming Language, International Journal of Engineering and Computer Science ISSN: 2319-7242 Volume 4 Issue 11 Nov 2015, Page No. 14953-14959 as a co-author.
- "E-Training Portal" published in quarterly Journal issue of Advances in Computer Science and Information Technology (ACSIT) published by Krishi Sanskriti Publication in April-June, 2015 Volume 2, Number 8; with Print ISSN : 2393-9907; Online ISSN : 2393-9915; on Page No. 101-103.
- Recommender System: Revolution in E-Commerce, International Journal of Engineering and Computer Science ISSN: 2319-7242, Volume 4 Issue 10 Oct 2015, Page No. 14899-14904 as a co-author.
- Next Release Problem: Emerging trend of Requirement Engineering, International Journal of Recent Innovation in Engineering and Research ISSN: 2456 – 2084, Volume 2 Issue 2 February 2017,Page No. 58-65
- Big Data: A Challenging Technology, International Journal of Recent Trends in Engineering and Research ISSN: 2455 – 1457, Volume 03, Issue 06 June 2017,Page No. 227-233
- Database Connection Technology, International Journal of Advance Research in Computer Science, ISSN: 0976 – 5697, Volume 8, No. 5, May-June 2017, Page No. 2138-2143 as a co-author.
- Security Issues in Cloud Computing and Grid Computing, International Journal of Innovative Science, Engineering & Technology, ISSN (Online) 2348-7968, Vol. 4 Issue 6, June 2017, Page No. 211-217 as a co-author.
- Open-Source Software: A Prominent Requirement of Information Technology in " International Journal of Scientific Research in Network Security and Communication" Volume.6, Issue.2, pp.1-4, April 2018 ISSN 2321-3256

- Deep Learning with Big Data: An Emerging Trend, 19th International Conference on Computational Science and Its Applications (ICCSA) in IEEE Xplore Digital Library, 2019
DOI: 10.1109/ICCSA.2019.00005
- "Programming Constructs based Bug Prediction using Entropy" in 3rd International Conference on Recent Trends in Engineering, Technology and Business Management (ICRTETBM 2024), Springer at the Amity University on February 21-23, 2024.

Participation in International Conferences/Workshops:

- Participated in a one week workshop ISTE 2015(Under National Mission on Education through Ict, MHRD. Govt. Of India) Conducted By Indian Institute of Technology, Bombay/Kharagpur in May 2015.
- Contributed a Research Paper titled "E-Training Portals" in "International Conference on Advances in Electrical, Power Control, Electronics and Communication Engineering (AEPCECE – 2015) Organized by "Krishi Sanskriti" on June 2015.
- Attended ACM Talk on "Big Data" at SPM College, University of Delhi
- Attended ACM Talk on "Programming Languages" at SPM College, University of Delhi
- Attended National Seminar on "Emerging Trends and Technologies" at SPM College, University of Delhi
- Participated in two day workshop on "Personality Development Program" at SPM College, University of Delhi on 1nd-2nd February 2016.
- Organized a talk on Cloud Computing by Mr. Danny Gupta(A Design architect working in Cloud Innovation Lab for IBM Canada) at SPM College on 11th April 2016
- Participated in a one week Faculty Development Program on Algorithms held at Department of Computer Science, University of Delhi in collaboration with ACM India Education and ACM Delhi NCR Chapter, from 7th July 2016-13th July 2016.
- Participated in the workshop on LaTeX organized by the Department of Mathematics, SPM College (University of Delhi) on 27th September, 2016
- Participated in the IEEE All India Student-Young Professional-Women in Engineering Congress (AISYWC) 2016 held at LNMIIT, Jaipur from 7th to 9th October 2016.
- Attended a Talk organized by IEEE on "Standards, Global Practices and Latest Trends in Research Paper Publications" by Dr. Harry Blom, Vice President, Computer Science, Mathematics and Publishing Development, Springer, New York(USA) at Bharti Vidyapeeth Educational Campus, New Delhi on 5th November,2016.
- Worked as a core member in IEEE SIGHT Track and HAM RADIO SESSION at MTTS IMARC (International Microwave and Research Conference) and APMC (Antenna Propagation and Microwave Conference) on 5th -8th December 2016.
- Worked as an organized committee member of NCACIT-2016 at SPM College on 19th -20th December, 2016.

- Reviewing the contents and providing quality inputs for the improvement of title “Object Oriented Programming with C++” (Revised 1st edition) of Oxford University Press.
- Participated in a GIAN (Global Initiative for Academic Networks) course “The Internet of Things (IoT) For a Connected Future” from 02nd -06th December, 2017 in NIT Kurukshetra.
- Participated in a GIAN (Global Initiative for Academic Networks) course on “Machine Learning Applications for Internet of Things” from December 16-22, 2017 in IIT (BHU).
- Participated in a workshop on topic “Awareness on issues related to women” in December 2017, organized by Department of women studies, Magadh University, Bodhgaya (Bihar).
- Participated in a GIAN (Global Initiative for Academic Networks) course on “Big Data Analysis and Mining in Deep Web Repositories” from January 08-12-2018 in Central University of Rajasthan.
- Participated in a one day faculty empowerment workshop entitled “National Workshop on Stress Management and Emotional Intelligence in Teaching-Learning Environment” held at Guru Angad Dev Teaching-Learning Centre, SGTB Khalsa College, University of Delhi, on 10th February 2018.
- Participated in a workshop on “Deep Learning using MATLAB” on 20th February, 2018 at Department of Computer Science, University of Delhi.
- Attended ACM Talk on “Self Projection and Stress Management” on 22nd February 2018, at SPM College, University of Delhi.
- Published an article “Fog Computing” in the newsletter ‘The News Byte’ of the Department of Computer Science, SPM College, Volume 2, 2018.
- Worked as ‘Local Managements and Hospitality Chair’ in the organizing committee at the International Conference on Applications of Computing and Communication Technologies (ICACCT-2018) organized by Department of Computer Science, Shyama Prasad Mukherji College, University of Delhi, held on 9th March, 2018.
- Reviewed the paper at the International Conference on Applications of Computing and Communication Technologies (ICACCT-2018) organized by Department of Computer Science, Shyama Prasad Mukherji College, University of Delhi, held on 9th March, 2018.
- Participated in 2 Day Faculty Development Program on Introduction to Big Data Analytics conducted by ICT Academy on 06th December 2018 to 07th December 2018.
- Works as Co-Convener in Digital Literacy Program, organized by Department of Computer Science, Shyama Prasad Mukherji College from August 2019 to November 2019.
- Participated in a one-day Faculty Development Program National Webinar entitled “Challenges and Opportunities in Higher Education in India for the 21st Century” jointly organized by Guru Angad Teaching Learning Centre SGTB Khalsa College, University of Delhi held on 08 May 2020.
- Attended Faculty Development Program organized on “Machine Learning and Pedagogy” being organized by DDUC (in collaboration with Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi) from March 11 – March 15, 2020 at Deen Dayal Upadhyaya College.
- Attended a National Webinar Series on “e-Content Development Methodology:Four Quadrant Model,OERs and Copyright issues” organized by Guru Angad Teaching Learning Centre SGTB Khalsa College, University of Delhi held on 15 May 2020.
- Attended a webinar on “Stress Management and Evaluation & Role of Physical Education and Sports to Face the Challenges of the Natural Calamities organized by

Department of Physical Education & Sports, Shyama Prasad Mukherji College for women, on 8th June, 2020.

- Attended an International Webinar Artificial Intelligence: Societal implications of thinking machines organized by Bhaskaracharya College of Applied Sciences, University of Delhi on 22nd June 2020.
- Participated in a National Webinar on “Deep Learning in Visual Recognition ” organized by the Department of Electrical and Electronics Engineering in association with ISTE Student chapter & IEEE Student Branch held on 02nd July, 2020, SREE VIDYANIKETHAN ENGINEERING COLLEGE (Autonomous), Sree Sainath Nagar, A. Rangampet, Tirupati.
- Participated in a Two Days Online Faculty Development Program on “Python for Data science”conducted by “Imarticus Learning” Under National Skill Development Corporation” on 18th& 19th-July 2020.
- Participated in Three Days Online Faculty Development Program on “Machine Learning with Dimensionality Reduction” organized by Department of Computer Science and Engineering, VIKAS Group of Institutions from 21-07-2020 to 23-07-2020.
- Participated in Five Days online Faculty Development Program on “LaTeX and it's applications for Researchers” organized by Department of Information Science and Engineering, Vidyavardhaka College of Engineering, Mysuru from 20/7/2020 to 24/7/2020(11:00AM to 12:00PM).
- Participated in Two-Day online workshop on “Hadoop and Bigdata Analytics” from 24/07/2020 to 25/07/2020 Organized by Department of Computer Science & Engineering (10:00AM to 11:00AM).
- Participated in the online webinar on “IOT and It's Applications”, organized by Department of Computer Applications, Sri Paramakalyani College, Alwarkurichi on 26/07/2020.
- Participated in an online Webinar titled “Blockchain Hype in Business World: Introduction and Career Scope” organized by Department of Computer Science and Engineering on 27th July 2020(4:00PM to 5:00PM).
- Participated in the four Day online webinar series on “Outcome Based Education-A new Perspective” organized by Department of Information Science and Engineering, Vidyavardhaka College of Engineering, Mysuru from 27/7/2020 to 30/7/2020(11AM to 12PM).
- Participated in an online five-days career course on “Data Science Fundamentals” organized by the Department of Information Technology, St. Joseph’s College of Engineering in association with ISTE, Tamil Nadu Section from 27/07/20 to 31/07/20.
- Participated in an online National level Webinar on “Art of Writing an Effective Research Article”, Organized by Department of CSE/IT, CMR University, School of Engineering and Technology, held on 30/07/2020(2:00 PM to 4:00 PM).
- Participated in a two days online international webinar on “Recent Technologies in Computing held from 7th to 8th August 2020 at Department of Computer Science, Bharathiar University,Coimbatore.
- Participated in a two days online Faculty Training Program on “Microsoft Teams” organized by Shyama Prasad Mukherji College (for women), University of Delhi for online teaching on Microsoft Teams software held on 28th-29th August 2020.
- Participated in a Two Days Online National Workshop on “Recent Trends in Data Analytics & Machine Learning” organized by the Department of Computer Science, Rayalaseema University, Kurnool, to be held from 04/08/2020 to 05/08/2020.

- Participated in an online webinar on “Latest Trends in Information Technology Industry”, organized by Shyama Prasad Mukherji College (for women), University of Delhi held on 7th November,2020.
- Completed certifications on “Data Structure”: an online non-credit course authorized by University of California San Diego and National Research University Higher School of Economics and offered through Coursera on 15th December 2020.
- Completed certifications on “Programming for Everybody (Getting Started with Python)”: An online non-credit course authorized by University of Michigan and offered through Coursera on 16th December 2020.
- Completed certifications on “Python Data Structures”: An online non-credit course authorized by University of Michigan and offered through Coursera on 20th December 2020.
- Participated & Completed AICTE Training And Learning(ATAL) Academy, Microsoft India, SAP India Online FDP on “Artificial Intelligence” from “25th October 2021” to “29th October 2021” under Tech-Saksham Program.
- Completed a 4-week Faculty Induction/Orientation Programme for “ Faculty in Universities/Colleges/Institute of Higher Education” from 20-19 May, 2022 organized by Teaching Learning Centre & Department of Mathematics, Ramanujan College and obtained A+.
- Completed two weeks “Refresher course in Mathematical Sciences (Theme: Foundation Course in Vedic Mathematics)” organized by Teaching Learning Centre & Department of Mathematics, Ramanujan College during 01-14 September, 2023 and obtained grade A+.
- Participated as Jury member for the TechSaksham Regional Showcase Event-April 4th, 2024 in Mangalmay Institute of Engineering and Technology, Greater Noida.
- Completed a 4-week Faculty Induction/Orientation Programme for “ Faculty in Universities/Colleges/Institute of Higher Education” from 02-31 December, 2023 organized by Teaching Learning Centre & Department of Mathematics, Ramanujan College and obtained A+.

Innovative Projects:

Awards

Other Responsibilities:

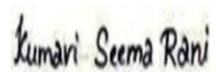
Worked as a screening committee member **to scrutinize the applications received for the post of Assistant Professor** (Academician representing SC/ST/OBC/Minority/Women/PwD) for the **Department of Geography**, Shyama Prasad Mukherji College.

Worked as a co-coordinator for **Tech-Saksham Program, an initiative led by Microsoft, SAP and Edunet Foundation to up-skill women students and elevate their workplace**

participation. This program, jointly funded by SAP and Microsoft CSR, aims to strengthen the social infrastructure, build capacity, and develop a sustainable approach to future skills training.

Declaration

I hereby declare that the all information furnished above are true and correct to the best of my knowledge and belief.

A handwritten signature in black ink, appearing to read "Kumari Seema Rani".

Kumari Seema Rani