Curriculum Vitae

Dr. Savita Kumari Sheoran

Associate Professor

Department of Computer Science & Engineering

Indira Gandhi University Meerpur, Rewari (Haryana) – INDIA - 122502

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Educational Qualification

- **Doctor of Philosophy in Computer Science**, Banasthali Vidhyapeeth, Banasthali, Tonk (Rajasthan).
- **Master of Computer Application** (Regular), Kurukshetra University Kurukshetra (Haryana).
- **Certificate in German**, Banasthali Vidhyapeeth, Banasthali, Tonk (Rajasthan).

Academic Positions held

- **Associate Professor** in Computer Science & Applications / Engineering – **05 years (Approx).**
- **Assistant Professor / Equivalent** in Computer Science & Applications / Engineering **– 12 Years.**

Awards / Honours

- Certificate of Appreciation from Hon'ble Vice Chancellor, CRS University, Jind for best organization of AISHE Workshop for around 500 affiliated colleges of all over Haryana, 2016.
- Certificate of Appreciation from Hon'ble Vice Chancellor, CRS University, Jind for being Convener of Digital Literacy Programme of MHRD at University level for which CRSU secured 14th position all over India, 2017.
- Certificate of Appreciation from Hon'ble Vice Chancellor, Indira Gandhi University Meerpur, Rewari for Excellence in Academics, Research and Administration, 2018.
- Certificate of Appreciation from SP Rewari for supporting generously during organization of B-1 Test for Police Department.

Membership of Professional Bodies

- Life member "**The Indian Science Congress Association**", Membership No. – L40374.
- Life Member "**Computer Society of India (CSI)**" Membership No. – 1187623.
- Life Member **"The Indian Science Congress Association"** Membership No. **–** L40374
- Life member "**Indian Society for Technical Education (ISTE)**", Membership No. - LM61835.
- Life member "**International Association of Engineers (IAENG)**", Membership No. – 105479.
- Life member "**International Association of Computer Science and Information Technology (IACSIT)**" Membership No. – 80340003.

- Member "**Association for Computing Machinery (ACM)"** Membership No. – 9110643.
- Member "**Soft Computing Research Society (SCRS)**".
- Member **"Indian Association for Research in Computing Science (IARCS)**".
- Founder Secretary General, **Indira Gandhi University Teachers' Association (IGUTA)**.

Administrative Positions (Present)

- Proctor, IGU Meerpur, Rewari.
- Dean Faculty of engineering and Technology, IGU Meerpur, Rewari.
- Chairperson, Dept. of Computer Sc. & Engg. , IGU Meerpur, Rewari.
- Chairperson, Dept. of Education, IGU Meerpur, Rewari.
- Chairperson, Rao Mohar Singh Chair, IGU Meerpur, Rewari.

Administrative Positions (Past)

- Controller of Examination, IGU Meerpur Rewari.
- Dean Faculty of Law, IGU Meerpur Rewari.
- Dean Faculty of Education, IGU Meerpur Rewari.
- Dean Faculty of Earth, Environment and Space Sciences, IGU Meerpur Rewari.
- Secretary to Vice-Chancellor, IGU Meerpur, Rewari.
- Dean Faculty of Physical Sciences, CRSU, Jind.
- Deputy Dean of Colleges, CRSU, Jind.
- Chairperson, Department of Computer Science & Applications, CRSU, Jind.
- Chairperson, Department of Mathematics, CRSU, Jind.
- Chairperson, Department of Geography, CRSU, Jind.

Membership of Statuary Bodies (Present / Past)

- Elected Member of University Court, IGU Meerpur Rewari.
- Member, Executive Council, IGU Meerpur, Rewari.
- Member, Academic Council, IGU Meerpur, Rewari.
- Member, Faculty of Engineering & Technology, IGU Meerpur, Rewari.
- Member, Court, CRSU, Jind.
- Member, Executive Council, CRSU, Jind.
- Member, Academic Council, CRSU, Jind.
- Dean Faculty of Physical Sciences, CRSU, Jind.
- Deputy Dean of Colleges, CRSU, Jind.
- Chairperson, Department of Computer Science & Applications, CRSU, Jind.
- Chairperson, Department of Mathematics, CRSU, Jind.
- Chairperson, Department of Geography, CRSU, Jind.

Research Supervision

- Ph.D. Degree Awarded – 1
- M.Phil. Degree Awarded – 1
- Ph.D. Ongoing – 3

Sports and Cultural Activities

- Played Cricket and Softball at All India Inter University level, 1997-2000.
- Played Hockey at Inter University level, 1997-2000.
- First Runner in Judo at Inter University level, 1998-99.
- Win Three Leg Race at College level, 1998-99.
- Outstanding Sportsperson Award at College Annual Sports Function, 2000.
- Lead All India Girls Tracking Expedition-1999, Shimla Hills, May 15 – June 29, 1999.
- NCC 'C' Certificate with 'B' grade, 1997-2000.
- First Prize in Dance Competition at College Annual Function, "Enchant-2003".

Research / Publications / Scholastic Activities

- **Citations / Index**
  1. Citations   – 56
  2. H-index   – 4
  3. I-10 index   – 2

- **Patent & Copyright**
  4. **Indian Patent No.: 352075** "An Improved Method of Data Broadcast in Wireless Environment" granted on 24/11/2020 by Indian Patent Office, New Delhi w.e.f. 02/05/2011.

- **International Book/Chapter Publication**
  1. Yadav R., **Sheoran S.K.** (2020) Autoregressive Model for Multivariate Crime Prediction. In: Kapur P., Singh G., Klochkov Y., Kumar U. (eds) Decision Analytics Applications in Industry. Asset Analytics (Performance and Safety Management). Springer, Singapore
  2. **Savita Kumari**, Verma S. and Rakhee, "Performance Evaluation of Indexing Techniques for Wireless Environment - Monograph" Published by Lambert Academic Publishing Saarbrücken, Germany (Total no. of pages 186). [ISBN: 978-3-8465-8168-1].
  3. Seema Verma, Rakhee and **Savita Kumari**, "Data Broadcast Management in Wireless Communication: An Emerging Research Area", Applied Signal and Image Processing: Multidisciplinary Advancements Edited by Rami Qahwaji, Roger Green and Evor Hines, IGI Publications USA chapter 4, pp 61-75, 2011 [**ISBN No.978-1-60960-478-3 (E-Book), ISBN No.978-1-60960-477-6 (Hard Cover)].** Available Online at *http://www.igi-global.com/bookstore/chapter.aspx?titleid=52112*
  4. **Savita Kumari**, "Proceedings of National Conference on Advance Computing Research" Edited book published by Swaraj Prakashan, New Delhi page 244 [ISBN No. 978-93-83513-78-9].
  5. **Savita Kumari Sheoran,** "Freehand on Data Structure using C++", Balaji Publications, New Delhi, 2017 [**ISBN No.: 978-81-932129-9-8**].
  6. **Savita Kumari Sheoran,** "Freehand on Object Oriented Programming in C++", Balaji Publications, New Delhi, 2017 [**ISBN No. : 978-81-932129-8-1**].
  7. **Savita Kumari Sheoran,** "Java Programmer's Paradise", Vasunandi Publication, Meerut, 2017 [**ISBN No. : 978-81-910498-5-5**].

- **International Journal Publications**

1. **Savita Kumari Sheoran** and Vinti Parmar, "Framework for Spatial Metadata Cleaning", VidhyBharti International Interdisciplinary Journal (VIIRJ), 12(1), pp 55-62, 2021. **[ISSN: 2319-4979]** Web of Science Indexed Journal.

2. **Savita Kumari Sheoran** and Pratibha Yadav, "Machine Learning Based Optimization Scheme for Detection of Spam and Malware Propagation in Twitter", International Journal of Advanced Computer Science and Applications (IJACSA), 12(2), pp. 495-503, 2021. **[ISSN: 2156-5570]** Scopus and Web of Science Indexed Journal.

3. **Savita Kumari Sheoran** and Pratibha Yadav, "An Extended Work Architecture for Online Threat Prediction in Tweeter Dataset" International Journal of Computer Science and Network Security (IJCSNS), 21(1), pp. 97-106, 2021. **[ISSN: 1738-7906]** Web of Science Indexed Journal.

4. **Savita Kumari Sheoran** and Gayatri, "Promises and Perils of Post-Quantum Blockchain" International Journal of Future Generation Communication and Networking 13 (4), 2020, pp. 4998–5013 [2233-7857] Web of Science Indexed Journal.

5. **Savita Kumari Sheoran** and Vinti Parmar, "Identification of Alternative Landfill Site Selection Using QGIS In Densely Populated Metropolitan Area, **Quaestiones Geographicae,** 39(3), 2020, pp. 47-56, [ISSN 0137-477X, eISSN 2081-6383] SCOPUS and Web of Science Indexed Journal.

6. **Savita Kumari Sheoran** and Vinti Parmar, "Visual Analysis of Spatial Metadata, International Journal of Computer Theory and Engineering (IJCTE) (UGC-CARE Journal),, 12(4), 2020, pp.102-105 **[ISSN:1793-8201]** DOI: 10.7763/IJCTE.2020.V12.1272.

7. **Savita Kumari Sheoran** and Romika Yadav, "Analysis of Criminal Behavior through Clustering Approach, International Journal of Computer Sciences and Engineering (IJCSE), 6(11), 2018, pp.341-344 [**ISSN: 2347-2693, Impact Factor 3.022].**

8. **Savita Kumari Sheoran** and Romika Yadav, "Big Data for Address Security and Privacy Issues in Social Networks" International Journal of Advanced Educational Research (IJAER), 3(1), 2018 **[ISSN: 2455-6157, Impact Factor 5.12].**

9. **Savita Kumari Sheoran,** "Breast Cancer Classification using Big Data Approach" Paripex-Indian Journal of Research (PIJR), VII (I), 2018 [**ISSN: 2250-1991, Impact Factor 5.761].**

10. **Savita Kumari Sheoran** and Partibha Yadav, "An Innovative Model for Security Threats Classification in Information System" International Journal of Advanced Research (IJAR), 7(7), 2017 [ISSN: 2320-5407, Impact Factor 6.118].

11. **Savita Sheoran and Vinti P**armar, "E-Waste: An Emerging Problem" Hari Sampandan, 1(1) (January – June 2017), pp: 37-40.

12. **Sheoran, Savita Kumari** and Poonam, "Comparative Analysis of Reinforcement Learning Methods for Optimal Solution of Maze Problems", International Journal of Advanced Research in Computer Science (IJARCS), 8(II), 2017 **[ISSN: 0976-5697, Impact Factor 5.312].**

13. **Sheoran, Savita Kumari** and Romika Yadav, "Computational Model for Spatio Temporal Crime Event Prediction", International Journal of Advanced Research in Computer Science (IJARCS), 8(1), 2017 **[ISSN: 0976-5697, Impact Factor 5.312].**

14. **Sheoran, Savita Kumari** and Kirty, "A Study of Research Issues in Dynamic Job Shop Scheduling", International Journal of Advanced Research in Computer Science (IJARCS), 8(1), 2017 **[ISSN: 0976-5697, Impact Factor 5.312].**

15. **Sheoran, Savita Kumari** and Poonam, "Agent based Optimization using Reinforcement Learning in Maze Environment", International Journal of Advanced Science and Research (IJASR), 2(1), pp: 1-5, 2017 **[ISSN: 2455-4227, Impact Factor 5.12].**

16. **Sheoran, Savita Kumari** and Poonam, "Analysis of Reinforcement Learning in Maze Environment", IJETTCS, 6(1), 2017 **[ISSN: 2278-6856, Impact Factor 5.312].**

17. **Sheoran, Savita Kumari** and Yadav, Pratibha, "Research Perspectives in Security Threat Detection in Social Media Networks", IJARCSMS, 4(12), 2016 **[ISSN: 2321-7782, Impact Factor 6.047].**

18. **Sheoran, Savita Kumari** and Yadav, Pratibha, "Threats Detection Using Big Data Analytics", IJARCS, 8(1), 2017 **[ISSN: 0976-5697, Impact Factor 5.312].**

19. **Sheoran, Savita Kumari**, "Make in India Campaign and India's IT-BPM Sector", International Journal of Applied Research (IJAR), 3(1), pp: 471-475, 2016 **[ISSN: 2394-7500, Impact Factor 5.2].**

20. **Sheoran, Savita Kumari**, "Big Data: A Big Boon for Tourism Sector", International Journal of Research in Advanced Engineering and Technology (IJRAET)'', 3(1), pp: 10-13, 2017 **[ISSN: 2455-0876, Impact Factor 5.44].**

21. **Kumari Savita**, "Big Data and Social Media to Improve the Quality of Higher Education," International Journal of Computer Science and Mobile Computing (IJCSMC) 5(3), pp. 179-185, 2016 **[ISSN: 2320–088X, Impact Factor 5.258]**. Available Online at http://www.ijcsmc.com

22. **Kumari Savita**, "Social Media Applications for Disaster Management," International Journal of Science and Research (IJSR), 5(3), 2016 **[ISSN: 2319-7064, Impact Factor 5.61]**. Available Online at http://ijsr.net

23. **Kumari Savita**, "Impact of Big Data and Social Media on Society," Global Journal for Research Analysis (GJRA), 5(3), pp. 437-438, 2016 [ISSN**: 2277-8160, Impact Factor 3.62]**. Available Online at www.worldwidejournals.com

24. **Kumari Savita,** "Hybrid Indexing for Optimal Data Broadcast in Wireless Environment," Global Journal for Research Analysis (GJRA), 5(3), pp. 429-433, 2016 [**ISSN: 2277-8160, Impact Factor 3.62**]. Available Online at www.worldwidejournals.com

25. **Kumari Savita**, "Proliferation of Social Media among Students of Rural University in India" IJARCSSE, 5(12), pp. 264-268, 2015 [**ISSN: 2277 128X Impact Factor: 2.5]** Available Online at http://www.ijarcsse.com

26. **Kumari Savita** and Yadav Romika, "QoS Issues in Implications of Voice over Venerable Networks" International Journal in IT and Engineering, 2(10), pp: 1-9, 2014 **[ISSN: 2321-1776; Impact Factor: 3.570].** Available Online at http://ijmr.net.in

27. **Kumari Savita**, "Exploring Classical Security Techniques for Cloud Computing Environment" International Journal of Computer Application (IJCA) 4(4), 2014 pp. 86-94 **[ISSN: 2250-1797; Impact Factor: 2.52].** Available Online at http://rspublication.com/ijca/ijca_archive.htm

28. Verma S., Rakhee and **Kumari Savita**, "Channel Optimization for Wireless Data Broadcast" National Conference – cum – Workshop on Recent Trends in Mathematics & Computing (RTMC-2011) on May 21, 2011 at TITS, Bhiwani (Haryana) – India Proceeding published in International Journal of Computer Applications, June 2012.

29. Verma S., Rakhee and Kumari Savita, "An Improved Method of Data Broadcast in Wireless Environment," Official Journal of Patent Office of India, 14/2012, pp-5493, 2012.

30. Verma S., **Kumari Savita,** Artemi M.A., Deiri Amer and Kumar Rakesh, , " Challenges in Developing Citizen-Centric E-Governance in Libya" International Arab Journal of e-Technology (IAJeT) Vol. 2, No. 3, January 2012. **[ISSN: 1997-6364].** Available Online at *http://www.iajet.org*

31. Verma S., Rakhee and **Kumari Savita**, "Query Management for Efficient Data Access in Wireless Environment", International Journal of Computer Applications, Volume – 29 No. 1, September 2011.

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[**ISSN: 0975-8887; ISBN: 978-93-80746-94-4; Impact Factor - 0.835**]. Available Online at *http://www.ijcaonline.org*

32. Verma S., Rakhee, **Kumari Savita** and Artemi M.A., "Time Efficient Indexing Technique for Querying Location Dependent Data in Wireless Broadcast", International Journal of Computer Applications, Volume 7– No.10, October 2010. [**ISSN: 0975-8887; ISBN: 978-93-80746-94-4; Impact Factor - 0.835**]. Available Online at *http://www.ijcaonline.org*

33. Verma S., Rakhee and **Kumari Savita**, "Performance Evaluation of Unified Index Hub Using Integrated Signature", International Journal of Advanced Research in Computer Science, Volume 1, No. 1, May-June 2010,PP:26-33 [**ISSN: 0976-5697**]. Available Online at *http://www.ijarcs.info*

34. Verma S., Rakhee and **Kumari Savita**, "Data Replicated – Exponential Index to Reduce Access Latency", International Journal of Advanced in Communication Engineering, No. 2 Vol. 2, pp: 99-104, 2009 [**ISSN: 0975-6094**].

35. Verma S., Rakhee and **Kumari Savita** "Dynamic Broadcast Scheduling at Unified Index Hub (UIH)", International Journal of Intelligent Information Processing, No. 2 Vol. 2, 2008 [**ISSN: 0973-3892**].

- **International Conference Publications**
  1. Rakesh Kumar Sheoran and **Savita Kumari Sheoran**, "Hermeneutical Interpretation of Bhagawad Gita", International Seminar on Management Paradigm from Bhagwat Geeta, 12 February 2020, Gurugram University, Gurugram (India).
  2. **Savita Kumari Sheoran**, "Status of Indian Women in STEM", International Conference on Women's Participation in Economic and Social Development in South Asia: Role, Status and Challenge, 21-22 February 2019 organised by Women Studies Centre in collaboration with Baba Mast Nath and Mahant Chand Nath Chair, Indira Gandhi University Meerpur, Rewari (India).
  3. Romika Yadav and **Savita Kumari Sheoran**, "Autoregressive Model for Multivariate Crime Prediction", Proceedings of 9th International Conference on Quality, Reliability, Infocom Technology and Business Operations (ICQRIT 2018), 27-29 December 2018 organised by Department of Operational Research, University of Delhi in collaboration with Luleå University of Technology, Sweden.
  4. Yadav Romika & **Sheoran Savita Kumari**, "Modified ARIMA Model for Improving Certainty in Spatio-Temporal Crime Event Prediction", Proceedings of IEEE 3rd International Conference and Workshops on Recent Advances and Innovations in Engineering, 22-25 November 2018 (IEEE Conference Record # 43534) at Poornima University, Jaipur, INDIA.
  5. Yadav Romika & **Sheoran Savita Kumari**, "Crime Prediction Using Auto Regression Techniques for Time Series Data", Proceedings of IEEE 3rd International Conference and Workshops on Recent Advances and Innovations in Engineering, 22-25 November 2018 (IEEE Conference Record # 43534) at Poornima University, Jaipur, INDIA.
  6. Kumari Savita, "Exploring Traditional Energy Efficient Indexing for Wireless Big Data" International Conference on Innovative Approach in Applied Physical, Mathematical/Statistical, Chemical Sciences and Emerging Energy Technology for Sustainable Development (APMSCSET-2017) 15th January, 2017 at Convention Centre, JNU, New Delhi.
  7. **Kumari Savita**, " Issues and Challenge in Digitally Networked Societies" International Conference on Innovative Approach in Applied Physical, Mathematical/Statistical, Chemical Sciences and Emerging Energy Technology for Sustainable Development (APMSCSET-2017) 15th January, 2017 at Convention Centre, JNU, New Delhi.

8. Kumari Indu, Panda Jeebananda, Goel Nitish and **Kumari Savita**, "Watermarking using Energy Efficient Technique" 1st IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES 2016), 4-6 July 2016 at DTU New Delhi.

9. **Sheoran Savita Kumari**, "Issues and Challenges in Social Media Adaptability for Disaster Management", International Seminar on Interdisciplinary Theme, Disaster Management: Issues and Challenges, Department of Geography, Govt. College, Sidhrawali (Gurgaon), Jan 29-20, 2016.

10. **Kumari Savita** and Kumar Rakesh, "Shaping Fuzzy Logic as Mathematics", International Conference on History and Development of Mathematical Sciences and Symposium on Non Linear Analysis (ICHDMS – 2012), 21-24 November 2012, MDU Rohtak - India.

11. Verma S., Rakhee, **Kumari Savita** and Artemi M.A. "Time efficient Extension of Exponential Index", The Fifth Libyan Arab International Conference on Electrical and Electronic Engineering (5th LAICEEE – 2010), 23-26 October 2010, Tripoli, Libya, pp. 405-414.

12. Verma S., Kumari **Savita and Kumar** Rakesh, Artemi M.A. "Adaptive Blended m-Learning Model for Cooperative Learning", LEAFA2010: The 1st International Conference on e-LEArning For All, June 3-5, 2010, Hammamet, Tunisia pp. 21-28. [ISBN:978-0-9809498-2-7]

13. Verma S., **Kumari Savita** and Kumar Rakesh, Artemi M.A. "Designing Quality E-Government Environment for Libya", 1st International Conference on E-Management, June 1-3, 2010, Tripoli, Libya.

14. Verma S. Rakhee and **Kumari Savita**, "Two Level Signature Model for Multiple Broadcast Channel Using Unified Index Hub (UIH)", Proceeding of IEEE 2nd International Conference on Soft Computing (ICSC – 2008) November 6-8, 2008 at IET, Alwar (Rajasthan) – India, pp: 422-431 [ISBN: 978-81-7319-996-7].

- **National Publications**
  1. **Savita Kumari Sheoran**, "*Gramothan ke Sutradhar: Babu Rao Mohar Singh*" Presented at One Day National Conference on "Rao Mohar Singh's Vision on Education & Rural Development" on 09 February, 2019 organised by Rao Mohar Singh Research Chair, Indira Gandhi University Meerpur, Rewari.
  2. **Savita Kumari Sheoran**, "An Assessment of ICT Competencies of School Teachers", One Day National Conference on "Contemporary Issues in Education" on 07 February, 2019 organised by Dept. of Education, Indira Gandhi University Meerpur, Rewari.
  3. **Savita Kumari**, "Spatio Temporal Crime Event Prediction using Auto Regression Model", presented at National Conference on Emerging Trends in Cloud Computing and Big Data Analytics (ETCCBDA-17), March 6, 2017, Department of Computer Science & Applications, Maharishi Dayanand University, Rohtak (Haryana) – INDIA.
  4. **Sheoran Savita Kumari**, "IT-BPM Sector: Green Posture Sector for Make in India", presented at Haryana Swaran Jayanti National Conference on Make in India for Inclusive Growth: Initiatives & Challenges, January 27-29, 2017, Choudhary Ranbir Singh University, Jind (Haryana) – INDIA.
  5. **Sheoran Savita Kumari** and Vikas, "ICT: A Core Sector for Industries", presented at Haryana Swaran Jayanti National Conference on Make in India for Inclusive Growth: Initiatives & Challenges, January 27-29, 2017, Choudhary Ranbir Singh University, Jind (Haryana) – INDIA.
  6. **Sheoran** Savita Kumari and Poonam, "ICT for National Development", presented at Haryana Swaran Jayanti National Conference on Make in India for Inclusive Growth: Initiatives & Challenges, January 27-29, 2017, Choudhary Ranbir Singh University, Jind (Haryana) – INDIA.

7. **Sheoran Savita Kumari** and Kirty, "Role of Computer Technology in Manufacturing Industry for Success of Make in India", presented at Haryana Swaran Jayanti National Conference on Make in India for Inclusive Growth: Initiatives & Challenges, January 27-29, 2017, Choudhary Ranbir Singh University, Jind (Haryana) – INDIA.

8. **Sheoran Savita**, "Exploring Big Data Techniques for Tourism Industry" presented 13th IHTC National Conference, Sept. 24, 2016, Department of Tourism Management, Indira Gandhi University Meerpur, Rewari (Haryana) – INDIA.

9. **Sheoran Savita** and Parmar Viniti, "Criminality with Social Media and Legal Issues in India" presented at National Seminar on Indian Constitution: the Precursor of Modern India, March 20-21, 2015 at Department of Law, Indira Gandhi University Meerpur, Rewari (Haryana) – INDIA.

10. **Sheoran Savita Kumari**, "DS–Exponential Index for Energy Efficient Broadcast" National Conference on Advanced Computing Research (NCACR-2015) on Feb. 20, 2015, IGU Meerpur, Rewari (Haryana) –India, pp: 214-218 [ISBN – 978-93-83513-78-9].

11. **Kumari Savita** and Yadav Romika, "Analysis of R and SCILAB Tools" National Conference on Advanced Computing Research (NCACR-2015) on Feb. 20, 2015, IGU Meerpur, Rewari (Haryana) – India, pp: 1-3 [ISBN – 978-93-83513-78-9].

12. **Kumari Savita**, Parmar Viniti and Gupta Itisha, "Big Data Confronts" National Conference on Advanced Computing Research (NCACR-2015) on Feb. 20, 2015, IGU Meerpur, Rewari (Haryana) – India, pp: 65-69 [ISBN – 978-93-83513-78-9].

13. **Kumari Savita**, Yadav Romika and Kumar Ashwini, "Cloud Computing Consequences on E-Commerce" National Conference on Advanced Computing Research (NCACR-2015) on Feb. 20, 2015, IGU Meerpur, Rewari (Haryana) –India, pp: 74-76 [ISBN – 978-93-83513-78-9].

14. **Sheoran Savita** and Yadav Partibha, "The Emanation of Big Data" National Conference on Advanced Computing Research (NCACR-2015) on Feb. 20, 2015, IGU Meerpur, Rewari (Haryana) –India, pp: 166-171 [ISBN – 978-93-83513-78-9].

15. Verma S., Rakhee and **Kumari Savita**, "Channel Optimization for Wireless Data Broadcast" National Conference – cum – Workshop on Recent Trends in Mathematics & Computing (RTMC-2011) on May 21, 2011 at TITs, Bhiwani (Haryana) – India pp: 420-429. [ISBN - 819039523X]. http://rtmc.titsbhiwani.org

16. Verma S., Rakhee and **Kumari Savita**, "Evaluation of Traditional Indexing Techniques for Wireless Broadcast" – National Conference on Advancements in Communication, Computing & Signal Processing (COMMUNE CACCS-2011) April 16-17, 2011 at Gautam Buddha University, Greater Noida (Uttar Pradesh) – India, pp: 01-09.
http://www.thecommune.info/index.php/commune2011/caccs2011/paper/view/87/29

17. Verma S., **Kumari Savita**, Prabhat, Jadon Meenakshi and Triveni, "Performance Evaluation of Signature Indexing by VHDL Implementation" Proceedings National Conference on Recent Trend in Wireless Communication, May17, 2009, SKIT, Jaipur (Rajasthan) – India (Abstract Publication).

18. **Kumari Savita**, Verma S. and Rakhee, "Dynamic Broadcast Scheduling At Using Unified Index Hub (UIH) ", Proceeding of 23rd National Convention of Computer Engineers and National Conference, December 7-8, 2008 at Institute of Engineers (India) Jodhpur local chapter (Rajasthan) – India, pp: 7 (Abstract Publication).

19. Verma S., Rakhee, **Sheoran S. K.**, "Signature Model for Heterogeneous Multiple Broadcast Channel Using Unified Index Hub (UIH)", Proceeding of NCRAET, April 26, 2008 at Govt. Engineering College, Ajmer (Rajasthan) – India, pp: 45-46. (Abstract Publication).

- **Local Publications**

1. **Sheoran Savita,** "KPO: Emerging Job Field" Tech Oasis, Volume–1, CE/IT Deptt. Magazine, LIET Alwar, 2007.

- **Invited Talk/Key Note Address**
  1. Sheoran Kumari Savita, Delivered Lecture on Topic "Intellectual Property Rights and Higher Education" in One Week Short Term Gyan Ganga Programme on Teaching Excellence in Mathematics organised by Commissionerate College Education, Rajasathan Jaipur, Govt. of Rajasthan and hosted by Govt. RR PG College, Alwar during 01-06 Feb 2021.
  2. Sheoran Kumari Savita, Delivered Lecture on Topic "Intellectual Property Rights" in One Week Colloquium on Research Methodology through Digital Mode for Research Scholars Pursuing Ph.D. Course Work in Session: 2019-20 during 18-23 May 2020
  3. Sheoran Kumari Savita, "Creating Quality Educational Videos", Resource Person in Faculty Development Programme on MOOCs and Moodle Based Learning Management System on June 17, 2020 organized by Indira Gandhi University, Meerpur, Rewari, Haryana from June 15-22, 2020.
  4. Sheoran Kumari Savita, "Best Learning Material from Waste", National Level Seminar on Continuing Rehabilitation Education sponsored by Rehabilitation Council of India and Approved by NIEPMS, Chennai on 19th July 2018 at Teerthanker KR.D. College, Hailey Mandi, Pataudi, Gurugram (Haryana).
  5. Sheoran Kumari Savita, "Role of ICT in Interdisciplinary Researches", 2nd National Seminar on Interdisciplinary Researches, Adarsh College of Education, Brahmanwas-Julana (Jind) India, March 26, 2017.
  6. Organizer & Key Resource Person, "Graduate Summer School on Computer Programming Language (GSS: CPL-2016)" 10 June-15 July, 2016 at Department of Computer Science & Applications, CRSU Jind.
  7. Kumari Savita, "Online Learning Resources: Shifting Paradigm in Higher & Technical Education", 1st National Seminar on Interdisciplinary Researches, Adarsh Group of Institutions, Brahmanwas-Julana (Jind) India, June 25, 2016.
  8. Kumari Savita, "Operating Systems" Series of Lecturers delivered in Department of Mathematics, I. G. University Meerpur, Rewari, 21 Dec, 2015.
  9. Kumari Savita, "Essentials of Computer" UGC Sponsored Seminar at RR College, Alwar (Rajasthan)-India, September 28, 2012.

- **Editor / Member Editorial Board / Reviewer / Session Chair**
  1. Session Chair, "International Seminar on Management Paradigm from Bhagwat Geeta", 12 February 2020, Gurugram University, Gurugram (India).
  2. Reviewer, InSITE 2019: Informing Science + IT Education Conferences: Jerusalem, Jun 30 - Jul 4 2019, Jerusalem College of Technology Jerusalem, Israel
  3. Chair Session: IT & Computer Applications, 2nd National Seminar on Interdisciplinary Researches, March 26, 2017, Adarsh College of Education, Brahmanwas-Julana (Jind) India.
  4. Chair Session: Computer, IT & ICT Session, 1st National Seminar on Interdisciplinary Researches, June 25, 2016, Adarsh Group of Institutions, Brahmanwas-Julana (Jind) India.
  5. Member Advisory Committee for One Week National Workshop on Soft Skills and Professional Grooming (8-14 June 2014), Department of English, CRSU, Jind.
  6. Co-chair Session, "National Conference on Advanced Computing Research (NCACR-2015)," Feb. 20, 2015, IGU Meerpur, Rewari (Haryana).

7. Publicity chair, "1st International Conference on Communications and Computer Networks (MIC-Networks – 2014)" Dubai (UAE), 7-9 February, 2014.

8. Track Chair, "Consumer Communications and Electronics Track (CCE), 2nd International Conference on Telecommunication Systems and Networks (MIC – Telecom 2014)," Istanbul (Turkey), 19-21 December, 2014.

9. Member, Advisory Committee, 2nd National Conference on Advances in Communication, Computer & Electrical Engineering (ACCE-2013), MITRC Alwar (Rajasthan), April 6-7, 2013.

10. Reviewer, MIC-Sig Pro 2013, Istanbul (Turkey), 11-13 October, 2013.

11. Reviewer, MIC-Telecom 2013, Barcelona (Spain), 20-22 December, 2013.

12. Editor CE/IT Department Magazine at LIET, Alwar (India) "TECH OASIS", 2007 –2008.

- **Teachers' Union/ Community Welfare**

1. Founder Secretary General, Indira Gandhi University Teachers' Association (IGUTA), IGU Meerpur, Rewari.

- **Short Term Programme / Conferences/ Workshops Organized**

2. Co-ordinator, One Week Colloquium on Research Methodology through Digital Mode for Research Scholars Pursuing Ph.D. Course Work in Session: 2019-20 during 18-23 May 2020.

3. Workshop Co-ordinator, Capacity Building Workshop on On-line Teaching-Learning for Faculty through Digital Mode organised by IGU Meerpur, Rewari on May 08, 2020.

4. Convener, Five-days Faculty Development Programme (FDP) on "Experiential Learning: Gandhiji's Nai Talim Curriculum" sponsored by Mahatma Gandhi National Council of Rural Education, Hydrabad (under MHRD) on 24th May 2019 at Dept. of Education, IGU Meerpur, Rewari .

5. Convener, One-day National Workshop on "Experiential Learning: Gandhiji's Nai Talim Curriculum" sponsored by Mahatma Gandhi National Council of Rural Education, Hydrabad (under MHRD) on 24th May 2019 at Dept. of Education, IGU Meerpur, Rewari .

6. Conference Director, One Day National Conference on "Rao Mohar Singh's Vision on Education & Rural Development" on 09 February, 2019 organised by Rao Mohar Singh Research Chair, Indira Gandhi University Meerpur, Rewari.

7. Conference Director, One Day National Conference on "Contemporary Issues in Education" on 07 February, 2019 organised by Dept. of Education, Indira Gandhi University Meerpur, Rewari.

8. Conference Co-Director / Co-Chairperson, International Conference on Women's Participation in Economic and Social Development in South Asia: Role, Status and Challenge, 21-22 February 2019 organised by Women Studies Centre in collaboration with Baba Mast Nath and Mahant Chand Nath Chair, Indira Gandhi University Meerpur, Rewari (India)

9. Convener, One-day National Conference on "Research for Resurgence", May 18, 2017, IG University Meerpur, Rewari in collaboration with Bhartiya Shikshan Mandal.

10. Co-ordinator, One-day Workshop on All India Survey on Higher Education (AISHE) for Nodal Officers (AISHE) of all the Education Colleges in Haryana sponsored by AISHE Haryana Unit on 10 January 2017 at CRSU, Jind.

11. Convener "Graduate Summer School on Computer Programming Language (GSS: CPL-2016)" June-July, 2016 at Department of Computer Science & Applications, CRSU Jind.

12. Organizer/Convener of 02 batches of "Digital Literacy for Rural Development and Women Empowerment under Outreach-cum-Social Service Programme" inaugurated by Hon'ble Governor of Haryana as 02 months programme for rural women.

13. Organizing Secretary of "National Conference on Advanced Computing Research (NCACR-2015)" on Feb. 20, 2015, IGU Meerpur, Rewari (Haryana) –India.

- **Conferences/ Workshops Attended**
  1. July 30-31, 2020: Two days Workshop "Introduction to Blockchain" organised by Army Institute of Technology, Pune.
  2. June 15-22, 2020: "Faculty Development Programme on MOOCs and Moodle Based Learning Management System" organized by Indira Gandhi University, Meerpur, Rewari.
  3. April 1-3, 2020: "Online Learning Workshop for Faculty" organised online by QASPIR, UK and AIU New Delhi.
  4. May 18, 2017: National Conference on "Navsrijan: Research for Resurgence" organized by Indira Gandhi University Meerpur, Rewari (India) and Bhartiya Shikshan Mandal.
  5. April 19, 2017: Seminar on "New Education Policy: Expectations & Challenges" organised by YMCA University of Science & Technology, Faridabad (India) and Bhartiya Shikshan Mandal
  6. Jan 25, 2016: One day Second Consultation Meeting on the Drafting of State Higher Education Plan for Haryana at IIHEd, O.P. Jindal Global University, Sonepat, Haryana.
  7. Nov. 20-Dec. 10, 2015: Three weeks UGC Sponsored Refresher Course in Computer Applications at UGC–Human Resources Development Centre, Maharishi Dayanand Saraswati University, Ajmer (Rajasthan).
  8. Nov 5-6, 2015: Two days International Workshop on "Big and Open Data: Evolving Data Science Standards & Citation Attribution Practices," Organized by Indian Institute of Public Administration, New Delhi and Indian National Science Academy, New Delhi –INDIA.
  9. Sep 19-20, 2015: Two days ITRA-HUSIM: Full proposal Development Meeting at IIIT Delhi.
  10. Jan 15-17, 2015: Three days meeting of developing a computational platform of a Human Multi-organ Simulator organized by Information Technology Research Academy, Media Lab Asia, Ministry of Information Technology, Govt. of India, New Delhi at Atrium Hotel, Faridabad–INDIA.
  11. Sept 26, 2014: One Day Awareness Programme on Education through Information Communication Technology (NMICT) at NIT Kurukshetra–INDIA.
  12. Dec 6-7, 2013: Two days National Workshop on Natural Language Processing at Thapar University, Patiala (Punjab)– INDIA.
  13. Oct 21-26, 2013: Six days "DST Sponsored Training Programme for Women Scientist on Geomatics: Technology and Application" Faculty of Technology, CEPT University, Ahmadabad-India.
  14. July 01–27, 2013: Four weeks UGC Sponsored Orientation Programme-15 at UGC-Academic Staff College, Guru Jambheswar University of Science & Technology Hisar-India (Rank No.–1 accredited Academic Staff College by NAAC) with 'A' grade.
  15. 23-26 October 2010: Four days "The Fifth Libyan Arab International Conference on Electrical and Electronic Engineering (5th LAICEEE-2010)", Tripoli, Libya.
  16. 1-3 June, 2010: Three Days "First International Conference on E-Management", Hotel Radisson, Tripoli – Libya.
  17. 11-13 Jan, 2009: Three days "International Jubilee Conference on Discreet Mathematics" at Banasthali Vidhyapeeth, Banasthali (Rajasthan)-India.
  18. 6-10 Jan, 2009: Four days "Pre-Conference Workshop on Discreet Mathematics" at Banasthali Vidhyapeeth Banasthali (Rajasthan)-India.
  19. 24-29 Dec, 2009: Five days "Training program on Optimization Technique and Its Application" at Banasthali Vidhyapeeth Banasthali (Rajasthan)-India.

20. 7-8 Dec, 2008: Three day "23rd National Convention of Computer Engineers and National Conference", at Institute of Engineers Jodhpur local chapter (Rajasthan)-India.
21. 11-13 Nov, 2008: Three days "International Jubilee Conference on Women's Education Vision and Mission of Women Universities in a Global Society" at Banasthali Vidhyapeeth, Banasthali (Rajasthan)-India.
22. 26 April, 2008: One day "National Conference on Recent Advances in Engineering & Technology (NCRAET-2008)" at Govt. Engineering College, Ajmer (Rajasthan)-India.
23. 1-7 Oct, 2008: Seven days "National Workshop on Bayesian Techniques and Its Applications" at Banasthali Vidhyapeeth, Banasthali (Rajasthan)-India.
24. 6-8 Nov, 2008: Three days "2nd International Conference on Soft Computing (ICSC – 2008)" at IET, Alwar (Rajasthan)-India.
25. 15-19 March, 2007: Five days "National Workshop on Model of Embedded Computation" at Banasthali Vidhyapeeth, Banasthali (Rajasthan)-India.
26. 09 Feb, 2007: One day "Workshop on Intellectual Property Right" at LIET, Alwar (Rajasthan) – India.
27. 08-10 June, 2006: Three days "National conference on Emerging Systems & Technologies (NEST-2006)" at LIET, Alwar (Rajasthan)-India.
28. 30 Jan-2, Feb, 2006: Four days faculty training Programme "IBM Rational Suite" at LIET, Alwar (Rajasthan)-India.