



Dr. Sanjay Dahiya is working as Associate Professor and Head of Department in Computer Science and Engineering and In-charge Computer Centre at Ch. Devi Lal State Institute of Engineering and Technology Panniwala Mota (Sirsa) - Haryana, India- 125077. He is Ph. D. (2013) in Computer Science and Engineering from Ch. Devi Lal University, Sirsa- Haryana, India. He has obtained his M. Tech. (Computer Science and Engineering) in 2001 from Kurukshetra University Kurukshetra, India. He is Gold Medalist Post M. Sc. Diploma in Computer Science (1999) from Kurukshetra University, Kurukshetra, India. Presently, His areas of interest are Software Testing, Database System, System Simulation, Operating System, Design of Algorithm & Analysis, Implementation of Information and Communication Technology in Various fields like Agriculture Sector. He is having more than 20 years of teaching and research experience. He is having more than 75 publications in international/ national journals and conferences. He is delivered many Expert lectures, invited talks, key-note address and Chaired sessions in national and international conferences/ seminars/ workshops/ symposia etc. He is completed many Online MOOCS/FDP/STC Courses from NITTTR, Chandigarh, IIT, Kharagpur, IIT, Madras through SWAYAM-NPTEL portal. He is also Member of International Association of Engineers (IAENG) and Editorial Advisory Board of International Journal for Computer Science. He reviews many research papers for International Journals, Ph. D. Thesis, Project Proposal/ Project Completion Report, National/ International Conference/ Workshop/ Seminar etc. He may be contacted through sanjaydahiyakkr@gmail.com. A brief profile of Dr. Sanjay Dahiya is hereunder:

Name : Dr. Sanjay Dahiya
Designation : Associate Professor of Computer Science and Engineering
Department : Computer Science and Engineering
Email ID : sanjaydahiyakkr@rediffmail.com, sanjaydahiyakkr@gmail.com
Contact No : +919416414099

Areas of Interest :

- Software Testing, Database System, System Simulation, Operating System, Data Structure, Design of Algorithm & Analysis, Software Engineering, Information and Communication Technology Implementation in Agriculture Sector.

Professional Background (Experience):

| From | To | Designation | Organization |
|------------|---------------|---|--|
| 30.01.2019 | Till Date | Associate Professor (Stage-IV) | Ch. Devi Lal State Institute of Engineering and Technology, Panniwala Mota, (Sirsa)-125077. |
| 30.01.2016 | 29.01.2019 | Assistant Professor (Stage-III) | Ch. Devi Lal State Institute of Engineering and Technology, Panniwala Mota, (Sirsa)-125077. |
| 30.01.2011 | 29.01.2016 | Assistant Professor (Stage-II) | Ch. Devi Lal State Institute of Engineering and Technology, Panniwala Mota, (Sirsa)-125077. |
| 30.01.2006 | 29.01.2011 | Lecturer/ Assistant Professor (Stage-I) | Ch. Devi Lal State Institute of Engineering and Technology, Panniwala Mota, (Sirsa)-125077. |
| 14.07.2003 | 30.01.2006 | Lecturer | Jan Nayak Ch. Devi Lal Memorial Engineering College, Barnala Road, Sirsa-125055. |
| 21.08.2002 | to 05.04.2003 | Lecturer | Post Graduate Regional Centre (KUK), Sirsa-125055. (Now upgraded as Ch. Devi Lal University) |

Honors and Awards:

| Award | Institute/ Organization | Year |
|---|-------------------------------------|------|
| Gold Medalist Post M. Sc. Diploma in Computer Science | Kurukshetra University, Kurukshetra | 1999 |

Educational Details:

| Degree/ Diploma | Subject/ Stream | Institute | University | Maximum Marks | Obtain ed Marks | % of Marks | Year |
|-----------------|--|--|-------------------------------------|---------------|-----------------|------------|------|
| Ph.D. | Role of Computer and Information and Communication Technology in Agriculture Sector (Computer Science & Engineering) | Department of Computer Science & Engineering | Ch. Devi Lal University, Sirsa | NA | NA | NA | 2013 |
| M. Tech. | Computer Science & Engineering | Department of Computer Science & Application | Kurukshetra University, Kurukshetra | 2500 | 1790 | 71.6% | 2001 |

Sponsored Research Projects:

| Topic | Funding Agency | Year |
|---|------------------|------|
| “MODERNISATION & REMOVAL OF OBSOLESCENCE” for B.Tech. Computer Science and Engineering Laboratory | AICTE, New Delhi | 2022 |

Academic Contribution through organizing conferences/ seminars/ workshops/ symposia/ orientation /refresher courses:

| Sr. No. | Coordinator/Convener/Secretary/Member of Organizing/Advisory Committee etc | Title of Short-Term Course | Organizing Institute | Duration/Week | Sponsored By | Date |
|---------|--|---|----------------------|---------------|--------------------|---------------------|
| 1. | Course Coordinator | ICT Based Programme on “Communication Skills” | NITTTR, Chandigarh | One Week | NITTTR, Chandigarh | 5-9 December, 2016 |
| 2. | Course Coordinator | ICT Based Programme on “Cyber Crimes and Forensic Tools” | NITTTR, Chandigarh | One Week | NITTTR, Chandigarh | 6-10 February, 2017 |
| 3. | Course Coordinator | ICT Based Programme on “Multimedia tool and Utilities” | NITTTR, Chandigarh | One Week | NITTTR, Chandigarh | 27-31 March, 2017 |
| 4. | Course Coordinator | ICT Based Programme on “Research Methodology Through ICT” | NITTTR, Chandigarh | Two Week | NITTTR, Chandigarh | 1-12 May, 2017 |

Memberships:

- Members: Under Graduate Board of studies Engineering and Technology (UGBOS E&T), Ch. Devi Lal University, Sirsa
- Member of International Association of Engineers (IAENG) with ID 188489 at Unit 1, 1/F, 37-39 Hung to Road, Hong Kong.
- Member of Editorial Advisory Board International Journal of Computer Science & Information Technology Research Excellence, ISSN NO 2250-2734(P), 2250-2742(O).
- Member of Editorial Board International Journal of Computer Engineering:
<https://soaj.com/computer-engineering-open-access-open-journal-comeoaj/>

Teaching Engagements:

| Title | Course Code | Class Name |
|---|-----------------------|---------------|
| Software Verification, Validation & Testing | CSE - 450 | B.Tech. (CSE) |
| Major Project (Part-1 & Part-2) | CSE-498 E / CSE-499 E | B.Tech. (CSE) |
| Seminar/ Colloquium | CSE -410/CSE-490 E | B.Tech. (CSE) |
| Database Management System | CSE-202 E | B.Tech. (CSE) |
| Operating System/Principles of Operating System | CSE-307/CSE-301 E | B.Tech. (CSE) |
| Discrete Structures | CSE-205 E | B.Tech. (CSE) |
| Data Structures/ Data Structures & Algorithms | CSE-203 E/ CSE-201 E | B.Tech. (CSE) |
| Fundamentals of Computer & Programming in c | CSE-101E | B.Tech. (CSE) |
| Principles of Software Engineering | CSE-302 E | B.Tech. (CSE) |
| Unix & Linux Programming | CSE-471 | B.Tech. (CSE) |
| Analysis & Design of Algorithms | CSE-308-L | B.Tech. (CSE) |

Engagements other than Teaching Working/ Worked:

- Head of Department: Computer Science & Engineering
- Members: Internal Quality Assurance Cell (IQAC)
- Deputy Registrar (Academic)
- Coordinator Institute Website
- Nodal officer: ATAL
- Nodal officer: Ek Bharat Shresth Bharat
- Member: Unnant Bharat Ahiyan Cell
- Member: Alumni Cell
- State Public Information Officer (SPIO) of the Institute.
- Coordinator Department of Computer Science and Engineering.
- Officer In-Charge Attendance of the Institute.
- Officer In-Charge Computer Centre of the Institute.
- Officer In-Charge Canteen of the Institute.
- In-Charge Intercom (intercommunication system) system of the Institute.
- Member/ Chairman: Various Purchase Committee
- Chairman / Coordinator/ Member: Admission Committee
- Member/ Chairman: Various Administrative/ Enquiry Committee.
- Chairman of the Committee constituted for the resolutions of the complaints/matters received through Grievance Redressal Portal
- Set Various Paper of Different University CDLU-Sirsa/ HP/ Shimla/ MRSU-Bathinda.
- Nodal Officer for Online Examination for B. Tech. of CDLU, Sirsa
- Superintendent/Deputy Superintendent/ Assistant Superintendent in various Theory Examination (B. Tech. & M. Tech.).
- Performed Various Internal/ External practical Examination Duties in University Exams.
- Member of Committee constituted for awareness campaign regarding admission in Engineering Course.
- Organized various conferences/ seminars/ workshops/ symposia / webinar etc. for students.
- Judged the events organized for students in the Institute.
- Coordinator and member of various activities of Induction Program organized for B.Tech. 1st year students.
- Mentor of the B. Tech Computer Science and Engineering Students.

Participation in Refresher Course, Methodology workshops, Training, Teaching-Learning Evaluation Technology Programmes, Soft Skills development Programmes, Faculty Development Programmes, MOOCS Courses etc.

| Sr. No. | Title of Short-Term Course | Organizing Institute | Duration/ Week | Sponsored By | Date |
|---------|--|--|----------------|--|--|
| 1. | AICTE Sponsored, Induction Training Program in Engineering & Technology | Jind Institute of Engineering & Technology, Jind | Two- Week | AICTE | 01-12-2003 to 12-12-2003 |
| 2. | UGC Sponsored Special Orientation Programme / Summer School (Science and Technology) | Academic Staff College Kurukshetra University, Kurukshetra | Three-Week | UGC | 13-06-2008 to 03-07-2008 |
| 3. | TEQIP-II Sponsored Summer School on "Mobile Computing and Communication" (MCC-2013) | Department of CSE, NIT, Hamirpur (Himachal Pradesh) | One- Week | TEQIP-II | 17-06-2013 to 21-06-2013 |
| 4. | Two-week ISTE sponsored Workshop on "Computer Programming" | Remote Centre- 1342, Jan Nayak Ch. Devi Lal Memorial Engineering College, Barnala Road, Sirsa- 125055. | Two- Week | MHRD Govt. of India | 16-06-2014 to 21-06-2014 Physical Participation, rest work is online. |
| 5. | Faculty Development Programme On "Pedagogy In Education" | Bharat Group Of Colleges, Sardulgarh. | One- Week | Maharaja Ranjit Singh State Technical University, Bhatinda | 20.02.2016 to 24.02.2016 |
| 6. | ICT Based Programme on "Communication Skills" | National Institute of Technical Teachers Training and Research, Chandigarh | One- Week | NITTTR, Chandigarh | 5-9 December, 2016 |
| 7. | ICT Based Programme on "Cyber Crimes and Forensic Tools" | National Institute of Technical Teachers Training and Research, Chandigarh | One- Week | NITTTR, Chandigarh | 6-10 February, 2017 |
| 8. | ICT Based Programme on Multimedia tool and Utilities | National Institute of Technical Teachers Training and Research, Chandigarh | One- Week | NITTTR, Chandigarh | 27-31 March, 2017 |
| 9. | ICT Based Programme on Research Methodology Through ICT | National Institute of Technical Teachers Training and Research, Chandigarh | Two- Week | NITTTR, Chandigarh | 01-12 May, 2017 |
| 10. | Programme accreditation by NBA For Technical Institution | National Institute of Technical Teachers Training and Research, Chandigarh | One- Week | NITTTR, Chandigarh | 25.09.2017 to 29.09.2017 |
| 11. | Faculty Development Program for Student Induction (FDP-SI)" | Deenbandhu Chhotu Ram University of Science & Technology, Murthal, | Three- Days | All India Council for Technical Education (AICTE), Delhi. | 13 - 15 July, 2018 |
| 12. | Faculty Development Program for Student Induction (FDP-SI) | Sant Longowal Institute of Engineering and Technology, Longowal, Punjab | One-week | All India Council for Technical Education (AICTE), Delhi | 20-26 July, 2018 |

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| 13. | Neural Network and CNN | NITTTR, Chandigarh | One-week | MHRD, India | 14-18 April, 2020 |
| 14. | Curriculum Implementation | NITTTR, Chandigarh | One-week | MHRD, India | 20-24 April, 2020 |
| 15. | Linux Applications in Engineering Education | NITTTR, Chandigarh | One-week | MHRD, India | 27 April- 01 May, 2020 |
| 16. | Strategic Planning for Entrepreneurship Promotion | NITTTR, Chandigarh | One-week | MHRD, India | 04-08 May, 2020 |
| 17. | Research Oriented Project Work | NITTTR, Chandigarh | One-week | MHRD, India | 11-15 May, 2020 |
| 18. | Data Analytics using Python | NITTTR, Chandigarh | One-week | MHRD, India | 18-22 May, 2020 |
| 19. | Outcome Based Curriculum | NITTTR, Chandigarh | One-week | MHRD, India | 25-29 May, 2020 |
| 20. | Penetration Testing and Malware Analysis | NITTTR, Chandigarh | Two-Week | MHRD, India | 20-31 July, 2020 |
| 21. | Embedded C Programming of Microcontroller” from | NITTTR, Chandigarh | One-week | MHRD, India | 16-20 August, 2020 |
| 22. | Software Testing | IIT, Kharagpur (NPTEL) | Four- Week | MHRD, India (Swayam) | Jan.– Feb., 2021 |
| 23. | Introduction to Operating System | IIT, Madras (NPTEL) | Eight-Week | MHRD, India (Swayam) | July-Sep., 2021 |
| 24. | Operating System Fundamental | IIT, Kharagpur (NPTEL) | Twelve-Week | MHRD, India (Swayam) | July-Oct., 2021 |
| 25. | Open Tools for Research Quiz | NITTTR, Chandigarh | One-week | MHRD, India | 24-28 January, 2022 |
| 26. | Revised Assessment and Accreditation framework-NAAC | Shah Satnam Ji College of Education, Sirsa Haryana | One-week | Shah Satnam Ji College of Education, Sirsa | 27- January to 3 February 2022 |
| 27. | Professional Development Programme on ‘Implementation of NEP-2020 for University and College Teachers (Obtained 'A+' Grade) | Indira Gandhi National Open University, Staff Training and Research Institute of Distance Education New Delhi 110068 | One-week | UGC - Approved Short-term Professional Development Programme | 21-29 September, 2022 |
| 28. | Stress Management | IIT, Kharagpur (NPTEL) | Four-Week | MHRD, India (Swayam) | Aug-Sep., 2022 |
| 29. | NPTEL-AICTE FDP Stress Management | IIT, Kharagpur (NPTEL) | Four-Week | MHRD, India (Swayam) | Aug-Sep., 2022 |
| 30. | OBE and NBA Accreditation | NITTTR, Chandigarh | One-week | MHRD, India | 07/08/2023 to 11/08/2023 |
| 31. | AI/ML and Data Science for Industry 4.0 (Basic Level) | NITTTR, Chandigarh | One-week | MHRD, India | 21/08/2023 to 25/08/2023 |
| 32. | MATLAB for Engineering and Science Teachers | NITTTR, Chandigarh | One-week | MHRD, India | 16/10/2023 to 20/10/2023 |

Publications:

• **Research Papers Published in Online/Scopus & Sci Indexed/Digital/Refereed Journals**

| Sr. No. | Authors | Title of Paper | Year | Journal, Volume, Issue, Year, Page Numbers, ISSN/ISBN |
|---------|---------------|---|------|---|
| 1. | Sanjay Dahiya | Pre-Encryption and Identification (PEI): An Anti-crypto Ransomware Technique | 2022 | IETE Journal of Research, DOI: 10.1080/03772063.2022.2048706 To link to this article: https://doi.org/10.1080/03772063.2022.2048706 |
| 2. | | A Technique for Human Upper Body Parts Movement Tracking | 2022 | IETE Journal of Research, DOI: 10.1080/03772063.2022.2048708 To link to this article: https://doi.org/10.1080/03772063.2022.2048708 |
| 3. | | Image Encoder and Sentence Decoder Based Video Event Description Generating Model: A Storytelling | 2022 | IETE Journal of Education, DOI: 10.1080/09747338.2022.2044396 To link to this article: https://doi.org/10.1080/09747338.2022.2044396 |
| 4. | | Cardiac Diagnostic Feature and Demographic Identification (CDF-DI): An IoT Enabled Healthcare Framework Using Machine Learning | 2021 | Sensors 2021, 21, 6584. https://doi.org/10.3390/s21196584 https://www.mdpi.com/journal/sensors ISSN: 1424-8220, IF 3.576 |
| 5. | | Role of Science and Technology in upgradation of Learning Process during pandemic covid-19: A comparative study of Phase-I and Phase-II of Corona Virus at a Government Engineering Institute, Haryana (India) | 2021 | Modern Thamizh Research (A Quarterly International Multilateral Thamizh Journal) 3 to 5 June, 2021 - Special Issue (ISSN: 2321-984X) |
| 6. | | Reduction in Voltage Drop of Distribution Feeders using Bifurcation Technique- A Case Study of 11KV Feeder of 220KV Subdivision (Accepted in Scopus Indexed Journal: AIP Conference Proceeding, Manuscript ID #: AIPCP21-AR-RIST2021-00049) | 2021 | International Virtual Conference “Recent Innovations in Science & Technology (RIST-2021)” conducted on 19th & 20th June 2021, organized by ERANAD Knowledge City Technical Campus, Malappuram, Kerala, India in association with ISET Research & HEXAIND Technologies and Services. |
| 7. | | Hate Speech Detection Using BERT and CNN Integration in Deep Learning-based Text Processing | 2020 | International Journal of Innovations in Engineering and Technology (IJET) http://dx.doi.org/10.21172/ijet.161.07 Volume 16 Issue 1 April 2020 ISSN: 2319-1058 |
| 8. | | Emerging IoT and Edge Computing Synergy in Smart Cities | 2019 | International Journal of Innovations in Engineering and Technology (IJET) http://dx.doi.org/10.21172/ijet.131.17 Volume 13 Issue 1 April 2019 ISSN: 2319-1058 |
| 9. | | Gender Prediction of the at European School’s Teacher Using Machine Learning: Preliminary Results | 2018 | 2018 IEEE 8 th International Advance Computing Conference on 14-15 December 2018 at Bennet University, Noida, India Online Published IEEE Explore |
| 10. | | Binary Logistic Regression Classifying the Gender of Student towards Computer Learning in European Schools | 2018 | The 11th Conference of PHD, Students in Computer Science June 25 – June 27, 2018 Szeged, Hungary. |
| 11. | | Gender Difference towards Information and Communication Technology Awareness in Indian Universities | 2016 | <i>Springer Plus</i> (2016) 5:370 DOI 10.1186/s40064-016-2003-1, 24 March 2016 Page 1-7 (SCIE & SCOPUS Indexed). (ISSN 2193-1801), 5:370 |

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| 12. | An Analytical Approach to Investigate State Diversity towards ICT: A Study of Six Universities of Punjab and Haryana | 2016 | Indian Journal Science and Technology (ISSN 0974-5645, Scimago 'H' Index: 18), (SCOPUS Indexed) DOI: 10.17485/ijst/2016/v9i31/87426 |
| 13. | An Empirical Study of Outlook difference among Indian Students towards ICT for Demography and Educational Standards | 2016 | International Journal of Engineering Technology and Sciences (IJETS) Vol.6 (1) Dec 2016 Pg.54-63 IJETS ISSN: 2289-679X (Print), e-ISSN: 2462-1269 (Online), Ecosystem and Earth Resources Sustainability Center, University Malaysia Pahang Lebuhraya Tun Razak, 26600 Gambang Kuantan, Pahang, MALAYSIA, DOI: http://dx.doi.org/10.15282/ijets.6.2016.1.8.1058 |
| 14. | Computational Application of Environmental Magnetism in Study of Environmental Changes at Navlakhi, Gulf of Kutch | 2016 | International Journal of Advance Research in Science and Engineering -IJARSE, Volume-06, Nov. 2017 1.142 & 2.83, ISSN: 2319-8354(O) 2319-8346(P) |
| 15. | Electric and Magnetic Field Management | 2016 | International Journal of Advance Technology in Engineering and Science IJATES Volume-04, issue-08 August-2016, ISSN: 2348-7550 |
| 16. | Measuring Performance of Delay-based Congestion Control Algorithms (low Priority, Westwood and Venet) | 2016 | International Journal of Advance Research in Science and Engineering -IJARSE Pg 248-258 Volume-05, issue-02 February-2016, ISSN: 2319-8354 |
| 17. | Importance of ICT in Education | 2016 | International Journal of Advance Research in Science and Engineering - IJARSE Volume-05, issue-08 August-2016, Pg 662-669 ISSN: 2319-8354 |
| 18. | Two State Diversity between Student-Educators towards ICT Awareness: A Study of Six Universities of Punjab and Haryana | 2016 | Indian Journal Science and Technology (ISSN 0974-5645, Scimago 'H' Index: 18), (SCOPUS Indexed). ISSN 0974-5645 |
| 19. | Faculty Outlook towards Internet Utilization in Academia: A Study of Various Institution | 2016 | International Journal of Engineering, Technology and Science, Volume 4, Issue 1, Page-36-44, 23 March 2016. University of Malaysia, Puhang, Malaysia, ISSN 2289-697X |
| 20. | ICT Adoption Model for Students: Usability & Availability, Problems & Solutions | 2016 | IJETSR January 2016, ISSN: 2394-3386 |
| 21. | A Responsive Approach of Faculty towards ICT: Strength, Weakness and Opportunities | 2016 | International Journal Science Technology and Management, Volume 5 Special Issue 01 Pg 58-65, January 2016, Online ISSN: 2394-1537 & Print ISSN: 2394-1529 IF2.012 |
| 22. | Queuing Delay Assessment (Study of End-to-End Congestion Control - LEDBAT) | 2015 | International Journal of Innovations & Advancement in Computer Science (IJIACS) Volume 4, Special Issue Pg 565-569, March 2015, 2347 – 8616(O), IF 2.65 |
| 23. | Students Behavioral Approach toward Internet Usability and Availability | 2015 | International Journal of Computer & Mathematical Sciences IJCMS Volume 4, Issue 3 Pg-19-24, March 2015, 2347 – 8527(O), IF 2.58 |

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| 24. | Significantness in Students Cognitional Approach toward Internet Utilization (Case Study of Various Colleges and University in Sirsa District Haryana) | 2015 | International Journal of Innovations & Advancement in Computer Science (IJIACS) Volume 4, Special Issue Pg 653-663, March 2015, 2347 – 8616(O) IF 2.65 |
| 25. | ICT Contributitional Approach in Teaching and Learning | 2015 | International Journal of (IJRRA) Pg 28-30, April-2015, 2349-7688 |
| 26. | Analysis of Student's Attitude Regarding Internet in relation to Study Level and Stream | 2015 | International Journal of Science and Research (IJSR) Index Copernicus Value (2013): 6.14, 2319-7064 IF 4.438 |
| 27. | Scatteredness in Student's Thoughts towards Internet Usage in Educational Life | 2015 | International Journal of Advanced Technology in Engineering and Science, Volume No 03, Special Issue No. 01, Pg 546-553 April 2015, 2348 – 7550 (O) |
| 28. | A Study on Delay Based Congestion Control Challenges | 2015 | International Journal of Engineering Technology, Management and Applied Sciences, Volume 3 Special Issue Pg 187-190, May 2015, 2349-4476 IF2.24 |
| 29. | Variance Difference in Perception of Students Regarding Internet Communication on their Study Level and Stream using F-Test | 2015 | International Journal of Engineering Technology, Management and Applied Sciences, Volume 3 Special Issue Pg 145-150, May 2015, 2349-4476 IF2.24 |
| 30. | A Competence Approach to ICT Knowledge in Relation to Occupation: A Study of Indian Universities | 2015 | Global Journal of Computer Science and Technology: H Information & Technology Pg 27-32 Volume 15 Issue 6 Version 1.0 Year 2015, ISSN: 0975-4172 & Print ISSN: 0975-4350 |
| 31. | Educators' Opinion towards Internet in Academic, Personal and Social Life | 2015 | International Journal of Engineering Technology, Management and Applied Sciences, September 2015, Volume 3, Special Issue Pg. 280-286, ISSN 2349-4476 |
| 32. | "A Computer Based Integrated Agricultural Information and Communication System for Management & Extension: A Development Approach" | 2012 | International Journal of Computer Science & Information Technology Research Excellence, Vol. 2, Issue 1, Jan-Feb 2012 pp 101-108, ISSN NO 2250-2734. 2250-2734(O) |
| 33. | An Integrated Agricultural Information and Communication System for Management and Extension: A Comprehensive Framework", | 2012 | "International Journal of Management, IT and Engineering, Vol. 2, Issue 5, May 2012, ISSN NO 2249-0558, 2249-0558(O) |
| 34. | Multi-Layered Firewall Security System with Biometric-Sense for E-Commerce | 2012 | International Journal for Electro Computational World Knowledge Interface Vol. 1, Issue 5, Jan 2012, 2249-541X(P), 2249-541X(O) |
| 35. | Comprehensive Approach for Cross Compatibility Testing of Website | 2012 | International Journal of Computer Applications (IJCA) Pg 11-17 May 2012, 0123-4560(O) , IF 0.821 |
| 36. | A Comprehensive Framework of a Distributed ICT Model for Wheat Crop Management", | 2011 | "International Journal for Electro Computational World Knowledge Interface, Vol. 1, Issue 3, Nov 2011, pp11-18 2249-541X(P) 2249-541X(O) |
| 37. | "Computer Simulation Model for Soil Nutrients and Fertilizers Management in a Particular Cropping System", | 2011 | International Journal for Electro Computational World Knowledge Interface, Vol. 1, Issue 4, Dec 2011, pp 22-29, 2249-541X(P) 2249-541X(O) |

• **Paper Presented/Published in National/ International Conference/ Workshop/ Seminar:**

| Sr. No. | Authors/ Presented by | Title of Paper Presented | Title of the Conference/ Seminar etc and Organizer & Date (s) of the event. Whether International/ National/ State/ Regional/ University or College level, Whether published in the proceedings ISSN/ISBN |
|---------|-----------------------|--|---|
| 1. | Sanjay Dahiya | Improving the Relationship Between Software Development and Testing Through V & W-Model | National Conference on “Recent Trends and Advancements in Computing” (RTAC-09), On February 27-28, 2009 at Jan Nayak Ch. Devi Lal Memorial College of Engineering, Sirsa. |
| 2. | | Strengthening the Testing Process Through Structured Test-Case Design | National Conference on “Recent Trends and Advancements in Computing” (RTAC-09), On February 27-28, 2009 at Jan Nayak Ch. Devi Lal Memorial College of Engineering, Sirsa. |
| 3. | | Review Of IT-Act for Cyber Security and Future Of E-Courts in India | National Seminar On “Growth and Development of Law Post Independence Era” On 20-21 March, 2009 at Faculty of Law, Ch. Devi Lal University, Sirsa |
| 4. | | Security Threats and Remedy in Internet Banking | AICTE Sponsored Two Day National Conference On “Knowledge Discovery and Network Security” (KDNS-11), On February 26-27-2011, at Om Institutes of Technology & Management Hisar, Haryana. (317-320) |
| 5. | | Comprehensive Approach forI Cross Compatibility Testing of Website (Presentation) | The National Workshop-Cum-Conference on Recent Trends in Mathematics & Computing 2011, The Technological Institute of Textile & Sciences, Bhiwani, Haryana May 21, 2011 |
| 6. | | Security Issues and Preventive Measures in Cloud Computing | National Conference on Emerging Trends in Electronics & Communication Engineering April 22nd – April 23rd, 2011Panipat Institute of Engineering & Technology, Samalkha, Panipat, Haryana, India |
| 7. | | Green Computing- A Holistic Paradigm for Environmental Sustainability | National Conference on Multidisciplinary Approach in Frontier Areas of Environmental Science and Engineering MAFAESE-2011, March 4 th -5 th , 2011 Guru Jambheshwar University of Science & Technology, Hisar, Haryana, India |
| 8. | | Analysis of Climate & Solar Climate Trends Using Artificial Neural Networks | National Conference on Latest Advancements in Science, Engineering and Research (LASER-11) May 26 th -27 th , 2011 At Baba Farid College of Engineering and Technology, Bthinda, Punjab, India. |
| 9. | | Electronic Waste: A growing Environmental Degradation Problem (Issues and Legislative Recommendations) | National Conference on “Environmental Degradation: Effect, Challenges and Remedy Recommendations” (EDECR-2010), On February 25-27, 2010 at Jan Nayak Ch. Devi Lal Memorial College of Engineering, Sirsa. |
| 10. | | Information and Communication Technology Empower RTI-ACT-2005 | National Seminar on Right to Information Act-2005: Issues and Challenges, Organized by Department PUBLIC ADMINISTRATION, Chaudhary Devi Lal University, Sirsa. 27-28 March-2010 |
| 11. | | DiEHaD: Integrated E-Commerce Security System | AICTE Sponsored Two Day International Conference On “Recent Trends in Computer, Mechatronics and Communication), On February 25-26, 2012 At OM Institutes of Technology & Management, Hisar, Haryana. |
| 12. | | Role of Computer Expert System in Agricultural System Management | National Conference On “Global Challenge –Role of Science and Technology in Their Solution” Gersts-2012 On March 3-4, 2011, at The Technological Institute of Textile & Sciences, Bhiwani, Haryana. |
| 13. | | Redressal Measures in Virtualization System Security Threats | 2 nd Inter-National Conference on “Evolution in Sciences and Technology and Eyne on Educational Methodologies (ESTEEM-2013)” on 3-4 March -2013, at PPIMT, Hisar. |

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| 14. | Dating of Pashan Lake Sediments using Geomagnetic Inclination | 2 nd Inter-National Conference on “Evolution in Sciences and Technology and Eyne on Educational Methodologies (ESTEEM-2013)” on 3-4 March -2013, at PPIMT, Hisar. |
| 15. | Variability in Project Effort Estimate and Use Case Point Model. | 3 rd Inter-National Conference on “Evolution in Sciences and Technology and Eyne on Educational Methodologies (ESTEEM-2014)” on March, 8-9,2014, at PPIMT, Hisar. |
| 16. | Cloud Computing: A Future Sustainable Way of Networking | National Seminar on “Innovative Trends in Information and Communication Technology” Sponsored by Director-General Higher Education Haryana organized by Department of Computer Science and Application on March 29 th , 2014 at Manohar Memorial P. G. College Fatehabad -125050(Haryana) |
| 17. | Opinion of College Students Regarding Internet | Two-day National Seminar on “Recent Advancement In Management, Commerce, Education and Engineering Outlook-2015” (RAMCEE0-2015) organized by JCD INSTITUTE OF BUSINESS MANAGEMENT, SIRSA (Haryana) 125055 on January 21 st -22 nd , 2015 |
| 18. | Conjecturing the Buffering Delay of Remote Bit-Torrent Peers Under LEDBAT vs TCP | Two-day National Seminar on “Recent Advancement in Management, Commerce, Education and Engineering Outlook-2015” (RAMCEE0-2015) organized by JCD INSTITUTE OF BUSINESS MANAGEMENT, SIRSA (Haryana) 125055 on January 21 st -22 nd , 2015 |
| 19. | Role of Information and Communication Technology in Teaching Skills | National Seminar On “New Horizons in Computing Research” NHCR-2015 On 26 th February, 2015 Organized by Deptt. CSA, Ch. Devi Lal University, Sirsa |
| 20. | Study Paper on LEDBAT Parameters | National Seminar On “New Horizons in Computing Research” NHCR-2015 On 26 th February, 2015 Organized by Deptt. CSA, Ch. Devi Lal University, Sirsa |
| 21. | Queuing Delay Assessment (Study of End-to-End Congestion Control-LEDBAT) | International Conference on Emerging Trends of Engineering, Science, Management and Its Application (ICETMSMA-15) JNU, New Delhi. March-1,2015 |
| 22. | Significantness in Students Cognitional Approach toward Internet Utilization | International Conference on Emerging Trends of Engineering, Science, Management and Its Application (ICETMSMA-15) JNU, New Delhi. March-1,2015 |
| 23. | Factors Influence the Sustainability of Big Data Architectural Meme | 4 th Inter-National Conference on “Evolution in Sciences and Technology and Eyne on Entrepreneurial Management (ESTEEM-2015)” on March, 26 th -27 th , 2015, at PPIMT, Hisar. |
| 24. | ICT Contributional Approach in Teaching and Learning | National Conference on Innovative Trends in Computer Science Engineering (ITCSE-2015) 4th April 2015 held at BRCMCET, Bahal , Bhiwani |
| 25. | Scatteredness in Student’s Thoughts towards Internet Usage in Educational Life | International Conference on Emerging Trends in Technology, Science and Upcoming Research in Computer Science ICDAVIM-15on 25 April-2015 at DAV Institute of Management, NH-III, NIT, Faridabad |
| 26. | Variance Difference in Perception of Students Regarding Internet Communication on their Study Level and Stream using F-Test | International Conference on Recent Development in Engineering, Science and Management’ ICRDESM-15 at YMCA, 1, Jaisingh Road, Connaught Place, New Delhi-1, India (17 May, 2015) |
| 27. | A Study on Delay Based Congestion Control Challenges | International Conference on Recent Development in Engineering, Science and Management’ ICRDESM-15 at YMCA, 1, Jaisingh Road, Connaught Place, New Delhi-1, India (17 May, 2015) |
| 28. | Educators Opinion towards Internet in Academic, Personal and Social life | International Conference on “Innovative Research in Engineering, Science and Management (ESM-15)” at Jawaharlal Nehru University, New Delhi, India on (20 September, 2015) |

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| 29. | A Responsive Approach of Faculty towards ICT: Strength, Weakness and Opportunities | 3 rd International Conference on Science, Technology and Management- 17 January-2016 India International Centre, New Delhi. |
| 30. | ICT Adoption Model for Students: Usability & Availability, Problems & Solutions | 3 rd International Conference on Emerging Trends of Engineering, Science, Management and Its Application (ICETMSMA-16)- 10 January-2016 India International Centre, New Delhi. |
| 31. | Measuring Performance of delay-based Congestion Control Algorithms (low Priority, Westwood and Venet) | 2 nd International Conference on Recent Trends in Engineering, Science and Management' at YMCA, New Delhi, India (20 th February-2016) |
| 32. | Electric and Magnetic Field Management | International Conference on Recent Innovations in Science, Management, Education and Technology (ICRISMET-16) on 27 th August-2016 at JCDDM College, Sirsa, Haryana. |
| 33. | Importance of ICT in Education | International Conference on Recent Innovations in Science, Management, Education and Technology (ICRISMET-16) on 27 th August-2016 at JCDDM College, Sirsa, Haryana. |
| 34. | A Pattern finder Tool for Association Mining | National Seminar on "Research in Education, Engineering, Science, Commerce and Management: Innovative Practice, Application and Impact -2107" REESCM-17, On 2 nd March at Jan Nayak Ch. Devi Lal PG College of Education, Sirsa. |
| 35. | Fog Computing: Future of Data Maintenance Technology | National Seminar on "Research in Education, Engineering, Science, Commerce and Management: Innovative Practice, Application and Impact -2107" REESCM-17, On 2 nd March at Jan Nayak Ch. Devi Lal PG College of Education, Sirsa. |
| 36. | Minimizing Infrastructure Cost through Cloud Computing Technology | National Seminar on "Research in Education, Engineering, Science, Commerce and Management: Innovative Practice, Application and Impact -2107" REESCM-17, On 2 nd March at Jan Nayak Ch. Devi Lal PG College of Education, Sirsa. |
| 37. | Computational Application of Environmental Magnetism in Study of Environmental Change at Navlakhi , Gulf of Kutch | International Conference on Recent Innovations in Science, Agriculture, Engineering and Management on 20 th November-2017 at University College of Computer Applications, GUKU, Talwandi Sabo, Bathinda, Punjab |
| 38. | Binary logistic regression classifying the gender of student towards, Computer Learning in European schools | THE 11TH CONFERENCE OF PHD STUDENTS IN COMPUTER SCIENCE June 25 – June 27, 2018 Szeged, Hungary. |
| 39. | Gender Prediction of the at European School's Teacher Using Machine Learning: Preliminary Results | 2018 IEEE 8 th International Advance Computing Conference on 14-15 December 2018 at Bennet University, Noida, India Online Published IEEE Explore |
| 40. | Input Interface using Eyes from Webcam Stream | 2 nd National Conference on Engineering Technology and Innovations Management Beyond 2020 New Challenges and New Approaches (ETIM-2020) on 18 th October 2019 at Bharat Group of Colleges, Sardulgarh, Punjab |
| 41. | Application of Nanotechnology | 2 nd National Conference on Engineering Technology and Innovations Management Beyond 2020 New Challenges and New Approaches (ETIM-2020) on 18 th October 2019 at Bharat Group of Colleges, Sardulgarh, Punjab |
| 42. | Deregulation Power System and NB-IoT Enabled Smart Metering Performance | One Day National Seminar on "Exploring the New Era of Humanities, Commerce, Science, and Technology: Issues and Challenges 2020 (ENEHCST-2020)" On 20 th February at Jan Nayak Ch. Devi Lal Memorial (PG) College, Sirsa. |
| 43. | Role of Science and Technology on Upgradation | One-Day International Multidisciplinary E-Conference, "POST-COVID CHALLENGES IN EDUCATION, INDUSTRY & |

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| | | of Learning Process during Pandemic COVID-19: A Comparative Study of Phase-I and Phase-II of Corona at a Government Engineering Institute, Haryana | DIGITAL ECONOMY” on 12th June, 2021 By R Z Shah College of Arts Science and Commerce Mithagar Road, Mulund (E), Mumbai – 400081 |
| 44. | | Reduction in Voltage Drop of Distribution Feeders using Bifurcation Technique- A case study of 11KV Feeder of 220KV Subdivision | Two days International Virtual Conference “Recent Innovations in Science & Technology (RIST 2021)” on 19th & 20th June 2021, by ERANAD Knowledge City Technical Campus, Malappuram, Kerala, India in association with ISET Research & HEXAIND Technologies and Services |
| 45. | | IOT-Based 5g Healthcare Systems with Blockchain for Improving the Security of Healthcare Monitoring System | INTERNATIONAL CONFERENCE ON RECENT INNOVATIONS IN COMPUTING (ICRIC-2023) VOLUME 2 ICRIC-2023 Volume 2, Springer Approved Conference held between 21th to 22nd December, 2023 at Hungry. |

- **Participation / Session Chair/ Paper (s) presented in National/ International Conferences/ Seminars/ Workshops/ Symposia/ Extension/ Expert lecture etc.**

| Sr. No. | Authors/ Attended Presented/ Chair by | Participation / Session Chair/ Paper (s) presented. | Title of the Conference/ Seminar etc and Organizer & Date (s) of the event. Whether International/ National/ State/ Regional/ University or College level, Whether published in the proceedings ISSN/ISBN |
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| 1. | Sanjay Dahiya | Attend | Two-day State Level Workshop on “MCA CURRICULAM” Organized by Department of Computer Science & Application Kurukshetra University, Kurukshetra 24 th -25 th February-2003 |
| 2. | | Session Chair | CSI Sponsored National Conference on Globalized Recent Advancement in Computing and Computer Engineering (GRACCE-2013) December, 21 st -22 nd , 2013, at PPIMT, Hisar. |
| 3. | | Key Note Address (Session-II) (Effective Decision Making in Paradoxical Agriculture Sector by Using Simulation) | 3rd Inter-National Conference on “Evolution in Sciences and Technology and Eyne on Educational Methodologies (ESTEEM-2014)” on March, 8-9, 2014, at PPIMT, Hisar. |
| 4. | | Lecturer Delivered (Employability Enhanced Through Industry Oriented Skilled Technology) | “Day One Employable Pool- Challenges & Pitfalls, Development of Technology Skilled manpower – A Gap Filling Exercise”, “CORPORATE SUMMIT-2014” during March, 8-9, 2014 (ESTEEM-2014)” at PPIMT, Hisar. |
| 5. | | Extension/ Expert lecture | Extension/ Expert lecture on “Review of Black Box Software Testing Techniques” at PPIMT, Hisar on 25.04.2014 |
| 6. | | Extension/ Expert lecture | Extension/ Expert lecture on “Applicability of White Box Software Testing Techniques” at PPIMT, Hisar on 25.04.2014 |
| 7. | | Attend | Attend One Day Awareness Programme on National Mission on Education Through Information and Communication Technology NMEICT on 26-09-2014 at NIT Kurukshetra, Haryana |
| 8. | | Attend | One Day National Seminar on Tech Vision 2015-Emerging Paradigms in Information Technology Held On 30.01.2015 At Dev Samaj Post Graduate College for Women, Ferozepur, Punjab. |
| 9. | | Attend | One Day Workshop on Right to Information Act-2005 organized by Department of Public Administration CDLU, Sirsa in Collaboration with Haryana Institute of Public administration Gurgaon ,05-02-2015 |
| 10. | | Attend | Attend one day National Conference on “Recent Innovations in Applied Science and Humanities” (NCASH-2015), Rawal Institute of Engineering and Technology, Faridabad October 10, 2015 |

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| 11. | Session Chair | International Conference on Recent Innovations in Science, Management, Education and Technology (ICRISMET-16) on 27 th August-2016 at JCDM College, Sirsa, Haryana. |
| 12. | Key Note Address (Green Computing for Sustainable Environment) | International Conference on Recent Innovations in Science, Management, Education and Technology (ICRISMET-16) on 27 th August-2016 at JCDM College, Sirsa, Haryana. |
| 13. | Extension/ Expert lecture | Extension/ Expert lecture on “Black Box testing Techniques for object Oriented application” at Jan Nayak Ch. Devi Lal Memorial College, Sirsa-125055 on 13.02.2017 |
| 14. | Extension/ Expert lecture | Extension/ Expert lecture on “White Box testing Techniques for General applications” at Jan Nayak Ch. Devi Lal Memorial College, Sirsa-125055 on 13.02.2017 |
| 15. | Session Chair | International Conference on Recent Innovations in Science, Agriculture, Engineering and Management on 20 th November-2017 at University College of Computer Application, Guru Kashi University, Talwandi Sabo, Bathinda, Punjab (India). |
| 16. | Extension/ Expert lecture | Extension/ Expert lecture on “Internet of Things and Cloud Computing” at Bharat Group of Colleges, Khera Khurd, Delhi Road, Sardulgarh, District Mansa (Punjab) on 12 th May 2018. |
| 17. | Session Chair | 2 nd National Conference on Engineering Technology & Innovations Management Beyond 2020 New Challenges & New Approaches (ETIM-2020) on 18 th October -2019 at Bharat Group of Colleges, Khera Khurd, Delhi Road, Sardulgarh, District Mansa (Punjab) (India). |
| 18. | Attend | Participating in the Webinar On “DATA SCIENCE AND MACHINE LEARNING WITH R” on Mon, Nov 22, 2021 at 5:00organized by Tata Mc Graw Hill. |
| 19. | Attend | For Participating in the Webinar On “DERIVATIVESAND RISK MANAGEMENT” on Tue, Nov 2, 2021organized by Tata Mc Graw Hill. |
| 20. | Attend | Participated in International Symposium on topic “Recent Advancement in Information and Communication Technology” on 29 th December-2020 organized by CSI Aurangabad Chapter. |
| 21. | Attend | Participated in Program “NAAC and NBA Accreditation Data Management System” on 11 th December-2020 organized by Inpods , USA. |
| 22. | Attend | Participated in one day Webinar on Vocal for Local: Role of Technical Education in “Aatam Nirbhar Bharat” held on October 02, 2020 organized by SIET, Nilokheri. |
| 23. | Attend | Participated in International Academic Collaborative Webinar on topic “Circuit Simulation and Compact Modelling Beyond Device Physics” on 24.07.2020 organized by Vellore College of Engineering and Technology Tamil Nādu India-638012. |
| 24. | Attend | Participated in Webinar on topic “Augmented Reality & its applications” on 18.08.2020 organized by Mr Chetankumar G Shetty, Senior Lead Innovation, PL Lab in Bajaj Finance, McGraw Hill Webcasts |
| 25. | Attend | Participated in Webinar on topic “Real time implementation of voltage regulation of Power System using dSPACE simulator” on 16.10. 2020.organized by Vellore College of Engineering and Technology Tamil Nādu India-638012. |
| 26. | Attend | Participated in “Online COVID-19 Awareness Quiz” on 25 th May-2020 organized by MM (Deemed to be University), Mullana. |
| 27. | Attend | Participated in National Webinar on “Planning of Teacher Education in a Post COVID-19 World” on 26 th May-2020 organized by Jan Nayak Ch. Devi Lal (PG) College of Education, Sirsa. |

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| 28. | Attend | Participated in National Webinar on “Impact of COVID-19 on Indian Economy” on 30 th May-2020 organized by Maharani Lakmi Bai College Bhiwani Rohila, Hisar (Haryana). |
| 29. | Attend | Participated in International Webinar on “Impact of COVID-19 on Human Health Environmental Perspectives, World Economy, Technology and Future of Education” on 5 th & 6 th June-2020 organized by Jan Nayak Ch. Devi Lal (PG) College of Education, Sirsa. |
| 30. | Attend | Participated in National Webinar on “Life with Covid-19” on 06 th June-2020 organized by Maharani Lakmi Bai College Bhiwani Rohila, Hisar (Haryana). |
| 31. | Attend | Participated in National Training-cum-Webinar on “Modeling and Assembly using Solid-works” on 07 th June-2020 organized by Yadavindra College of Engineering, Punjabi University Guru Kashi Campus Talwandi Sabo (Bathinda), Punjab. |
| 32. | Attend | Participated in Webinar on “Research Perspective in Image Processing using AI/ML” on 22 th June-2020 organized by Velalar College of Engineering and Technology (Autonomous) Thindal, Erode 638012, Tamil Nādu. |
| 33. | Attend | Participated in Webinar on “Big Data and Covid-19: Technologies and Applications” on 6 th June-2020 organized by Tata Mc Graw Hill. |
| 34. | Attend | One Day Workshop on Process and Challenges in Implementing NEP-2020 on July 25 th , 2023 |