

Shaveta Dargan

Assistant Professor in Computer Science

Guru Nanak College for Girls, Sri Muktsar Sahib

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Area of Specialization

Machine Learning, Handwriting Recognition, Artificial Intelligence

Educational Qualification

- Ph.D in Computational Sciences joined in 2018, MRSPTU, Bathinda.
- M.Phil (Computer Science), M.K.U, Tamil Nadu, India, 2007.
- M.C.A, Kurukshetra University Kurukshetra, Haryana, India, 2003.
- B.Sc (Computer Science), Honours Mathematics, Kurukshetra University Kurukshetra, India, 2000.

Teaching Experience

- Assistant Professor, Guru Nanak College for Girls, Sri Muktsar Sahib, Punjab from July 2006 to till Date.
- Assistant Professor, Shah Satnam Singh College of Engineering and Technology, Sirsa, Haryana from 2005-2006.
- Assistant Professor, P.G.C.M.K. College, Sirsa, Haryana from 2003-2005.

Papers published in International SCI Journals

- Dargan S and Kumar M (2018). Writer Identification System for Indic and Non-Indic Scripts: State-of-the-art Survey. Archives of Computational Methods in Engineering, Springer, 26(4):1283-1311, **Impact Factor 7.29**.
- Dargan S, Kumar M, Ayyagari MR, Kumar G (2019). A Survey of Deep Learning and Its Applications: A New Paradigm to Machine Learning. Archives of Computational Methods in Engineering, Springer,1-22, **Impact Factor 7.29**.
- Dargan S and Kumar M (2019). A Comprehensive Survey on the Biometric Recognition System Based on Physiological and Behavioral Modalities. Expert System With Applications, 143, 113114, doi:10.1016/j.eswa.2019.113114. **Cite Score 6.36, Impact Factor 4.29**.

Papers published in National Conferences and Seminars

- Paper entitled **“A study of Evolving Paradigm: Cloud Computing “presented and published in the Journal of Management and Information Technology (ISSN 2321-4295), Vol: IV, Issue: 1 & 2, January- December 2013.**
- **Paper entitled “A study of Data Mining Techniques and Forecasting”, presented in the UGC sponsored National Conference on Recent Trends in Discrete and Fuzzy Mathematics on 2nd to 4th February, 2013 organized by D.A.V, Jalandhar.**
- **Paper entitled “Security Threats and Research Challenges”, presented in National Conference, Communication, Cloud and Big Data, on 20-21 December, 2014 and published in Proceedings of CCB 2014, ISBN 978-1-908368-03-4, organized by Sikkim Institute of Information technology, Sikkim.**

- **Paper entitled "Security Threats in Cloud Computing environment"** presented in National Conference on Emerging Trends in Engineering and Technology on January 24, 2015 organized by Ashok Rao Mane Group of Institution, Kolhapur.
- **Paper entitled "Internet Of Things : The New Paradigm of Internet", Presented in** National Level Seminar on Recent Advances in computer Engineering and Applications on May 20 – 21, 2016 at D. A. V, Jalandhar.
- **Paper entitled "Changing Role of Academic and Public Libraries in the Internet Era: Challenges and Opportunities"** in the National Conference on 03-12-16 to 04-02-16 at Malout Institute of Management and Technology, Malout.

Seminars and Workshops Attended

- **Attending National Seminar on "Engendering Panchayati Raj** on March 03, 2007 sponsored by ICSSR
- **Attended National Seminar on "Domestic violence against women** on March 18, 2008 By Indian Council of Social Sciences research, Chandigarh.
- **Attended State Level Seminar on "Naari Vaadi Vimarsh: Vivid Pari Prekshya"** sponsored by CDC, P.U, Chandigarh on 10th March, 2009.
- **Attended Seminar on "Measuring and Managing Managerial Skills** on March 13, 2010.
- **Attended two days UGC sponsored National Conference on Information Technology Society and Literary Restructuring** on 12th to 13th March, 2012 organized by Punjab University Regional Center, Muktsar.
- **Attended Workshop on "Effective Teaching: Methodologies and Responsibilities"** by Aatam Pargas Social Welfare Council, Ludhiana on 31-01-2015.

Certificates of Appreciation

- **Awarded certificate of Appreciation for Contribution in the organization of District Level Legal Literacy Youth Festival** held on 27- Oct- 2012, organized by District Legal Services Authority, Muktsar.
- **Awarded certificate of Appreciation for participating as a Nodal Officer in one day Cluster Level Sensitization Workshop** held on 13th Nov, 2013 at Guru Nanak College for Girls, Muktsar collaboration with Punjab State AIDS Control Society.
- **Awarded certificate of Appreciation for conducting scholarship exam of the students** in the college on Jan, 2015 conducted by All About Education Society, Bhatinda.
- **Awarded certificate of Appreciation for the contribution as the Assistant Coordinator in the one month Skill Development Program on "Electronic System Design and**

Management” from 15th Feb, 2016 to 15th March, 2016 conducted by IQBRI, Pvt. Ltd, Mohali.

Training Programme Organized

- Organized one week Workshop on “**Basics of Computers and Internet** “ with 250 students in the college campus from 4th Feb 2019 to 9th Feb 2019
- Organized Training Programme on **Micro Teaching and Audio visual Aids** from 19th to 23rd July, 2014 sponsored by Central Staff Training and Research Institute, D.G.E & T, Ministry of Labor, Govt. of India, held at Guru Nanak College for Girls, Sri Muktsar.
- **Organized one week workshop on “Competitive Exam” by APEX Bhatinda from 4 to 13th February, 2012.**

Books Published

- **Published book as a single author on “Software Engineering: Concepts and Principles”, by New Year Publishers, Chandigarh in Sept 2013 with ISBN no. 978-81-290-0066-8.**

Special Achievements

- Served as Head of Department, Computer Science from 2010 to 2012.
- Served as Head of Department, Computer Science from 2016 to Dec, 2019.

Faculty development Program:

- Participated in two weeks AICTE sponsored Staff Development Programme on “**Intelligent Computational Techniques**” organized by **Shaheed Bhagat Singh College** of Engineering & Technology, Ferozpur from July 4 to July 15, 2011.
- Participated in two weeks AICTE and TEQIP-II Faculty Development Programme on “**Research Techniques**” organized at **Shaheed Bhagat Singh State Technical Campus**, Ferozpur from May 25 to June 5, 2015.

Social Activities Organized/Participated

- Participated in one day **Cluster Level Orientation /Sensitization Workshop** held on 13th Nov, 2013 organized by Punjab State AIDS Control Society.

- Organized “**Blood Donation Camp**” at Guru Nanak College for Girls, Muktsar and received Award of Appreciation on 2014-15.
- Organized “**Poster Making Competition on AIDS**” at Guru Nanak College For Girls, Muktsar on 2014-15.
- Organized “**Relly on AIDS**” at Guru Nanak College For Girls, Muktsar on 2014-15.
- Organized “**Scholarship Test**” for the students by Apex Education, Bhatinda in the session 2014-15.
- Organized Poster Making Competition on “**Cancer and its Symptoms**” at Guru Nanak College For Girls, Muktsar on 2014-15.
- Organized “**Candle March against AIDS**” in the session 2015-16.
- **Organized “Swachh Bharat Abhyan Relly” on August, 2016.**
- **Organized “Visit to Book Fair”** for the students of Computer Science at Bhatinda on 18th Oct, 2016.
- Organized “**Blood Donation Camp-2017**” in the session 2016-17, 2017-18 and 2018-19 with additional director, Dept of Youth Services, Sri Muktsar Sahib.
- Organized “Blood Testing Camp” on 30-31st Jan, 2020 with the collaboration of Civil Hospital, Sri Muktsar Sahib.

Consultancy Programmes.

1. **Organized Consultancy Program on “Career in Civil Services” on 16-12-17** by Additional District Commissioner, Sri Muktsar Sahib.
2. **Organized Consultancy Program on “Enhance your Potential Scientifically”** on 02-05-2015 by Dr. Shashi Sethi, Career Counselor, Chandigarh

Tech-Festival

3. **Organized State-Level Tech- Fest at State Level** at Guru Nanak College for Girls, Sri Muktsar Sahib on 28th February, 2011.
4. **Organized District Level Tech- Utsav, 2K16** at Guru Nanak College for Girls, Sri Muktsar Sahib on 8th Nov, 2016.

Memorandum of Understanding

- Signed M.O.U with IQBRI, Pvt. Ltd, Mohali for organizing “**Skill Development Programme**” from 15-02-16 to 15-03-16.
- MOU arranged with NASSCOM, New Delhi and Computer Dept, Guru Nanak College for Girls, Sri Muktsar Sahib.

Skill Development Programme

- Organized one month “**Skill Development Programme**” from 15-2-16 to 15-3-16 on the topic “**Electronic System Design and Maintenance**” by IQBRI Pvt. Ltd. Mohali under Pradhan Mantri Kaushal Vikas Yojana.

G.O.C/R.C Attended

- Participated in three weeks **UGC sponsored Refresher Course** in Computer Science and Engineering from 15-05-2014 to 04-06-2014 at G.J. U, Hisar.
- Participated in three weeks **UGC sponsored Refresher Course** in Research Methodology for Social Sciences (Interdisciplinary) from 4th March, 2-13 to 23rd March, 2013 at H.P. U, Shimla.
- Participated in UGC sponsored **General Orientation Programme** organized from 25-11-2011 to 22-12-2011 organized by Punjab University, Chandigarh.

Administrative Duties

- H.O.D, Dept of Computer Science, from the session 2011-2013 and from session 2016-17 to 2019-2020.
- Incharge, Website Development and Maintenance of the college.
- Assist to Dean Academics.
- Member ICT Committee.
- Incharge Red Ribbon Club.
- Member, Organizing Committee, Prize Distribution and Convocation function.

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