

MONIKA SETHI

Associate Professor

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DOB: 27th July 1980



Educational Qualifications	<p>Ph.D.: Department of Computer Science and Applications, Panjab University Chandigarh, India (2024). Thesis Title: <i>Writer Identification and Gender Classification Framework for Forensic Handwriting Analysis in Devanagari Script</i> Ph.D. Supervisor: Dr. Manish Kumar, PURC, Muktsar Sahib, Punjab Ph.D. Co-Supervisor: Dr. Munish Kumar, MRSPTU, Bathinda, Punjab</p> <p>M.Phil. (Computer Science): Periyar University, Salem (2008)</p> <p>MCA Guru Nanak Institute of Information Technology, Ludhiana, Punjab (2004)</p> <p>Bachelor of Science: BBK DAV College Amritsar, Punjab (2001)</p>
Teaching/Research Experience	<p>June 2004 - till date</p> <p>Associate Professor in Department of Information Technology, Goswami Ganesh Dutta Sanatan Dharma College, Chandigarh (March 2022-till date)</p> <p>Assistant Professor in Department of Information Technology, Goswami Ganesh Dutta Sanatan Dharma College, Chandigarh (March 2009-March 2022)</p> <p>Lecturer in Department of Information Technology, Goswami Ganesh Dutta Sanatan Dharma College, Chandigarh (June 2006-March 2009)</p> <p>Lecturer in SASIIT Mohali (June 2004-March 2005)</p>
Areas of Interest	Image Processing, Machine Learning
Publications (Journal/Book Chapters)	<p>Journal Publications:</p> <p>Sethi, M., Kumar, M., & Jindal, M. K. (2023). Gender prediction system through behavioral biometric handwriting: a comprehensive review. <i>Soft Computing</i>, 27(10), 6307-6327.</p> <p>Sethi, M. (2019). Plant Species Identification for Precision Agriculture using CNN. <i>International Journal of Emerging Technologies and Innovative Research</i>, 6(4), 528-53.</p> <p>Sethi, M. (2019). A Comprehensive Review of Optimizers in Deep Learning: Significance and Challenges. <i>International Journal of Research and Analytical Reviews</i>, 6(2), 2348-1269.</p> <p>Sethi, M., Kumar, J. (2018). Neural Network Model Selection for Software Reliability. <i>International Journal of Management, Technology and Engineering</i>, 18(XII), 1215-1223.</p> <p>Sethi, M. (2017). ANN Model Selection for Software Reliability. <i>Amar Research Journal</i>, 4(2) 28-32.</p> <p>Sethi, M. (2014). Emerging QoS Parameters of SaaS. <i>Emerging Trends in Information Technology: Challenges & Strategies</i>, GGDS D College, Sector-32, Chandigarh</p> <p>Sethi, M. (2011). Reusability of Software Component and</p>

	<p>Composition. <i>Emerging Trends in Computing and Information (ETCIT 2011)</i>, Guru Gobind Singh Khalsa College, Sarhali, Tarn Taran.</p> <p>Book Chapters:</p> <p>Sethi, M., Jindal, M. K., & Kumar, M. (2022, June). Feature extraction techniques for gender classification based on handwritten text: a critical review. In <i>Proceedings of International Conference on Frontiers in Computing and Systems: COMSYS 2021</i> (pp. 191-201). Singapore: Springer Nature Singapore.</p> <p>Sethi, M. (2018). Emerging Computing Technologies. In <i>Advances in Computer Science</i>, (pp.123-133). Akinik Publications</p> <p>Sethi, M., & Sharma, A. (2013). Information system and system development life cycle. In <i>Software Development Techniques for Constructive Information Systems Design</i> (pp. 118-127). IGI Global.</p> <p>Books:</p> <p>Fundamentals of Computer Hardware, Mohindra Publishing House ISBN: 978-9390758-81-4 (2022)</p> <p>Web Scripting through HTML and DHTML, Mohindra Publishing House ISBN: 978- 9390758- 82-1(2022)</p>
<p>Seminars/ Conferences/Symposiums (Paper Presented)</p>	<p>Presented paper on “Deep Learning Framework for Forensic Handwriting Analysis: Writer Identification using Devanagari Script,” <i>International Conference on Artificial Intelligence and Machine Learning (ICAIML2023)</i>, Chandigarh (Nov 2023)</p> <p>Presented paper on “Feature Extraction Techniques for Indic and Non-Indic Script in Writer Identification Systems: A Comprehensive Review,” <i>15th Chandigarh Science Congress 2022(CHASCON-2022)</i>, Chandigarh (Sept 2022).</p> <p>Presented paper on “A Critical Review on Feature Extraction Techniques and Classification Methods for Offline Text,” <i>National Seminar on Recent Trends in Information Technology</i>, Chandigarh (March 2022).</p> <p>Presented paper on “Feature extraction techniques for gender classification based on handwritten text: a critical review,” <i>International Conference on Frontiers in Computing and Systems: COMSYS 2021</i> Singapore: Springer Nature Singapore (2021).</p> <p>Presented a paper on “Neural Network Model Selection for Software Reliability,” <i>4th International conference on Science, Technology & Management (ICSTM-2018)</i> Institution of Engineers, Chandigarh, India</p> <p>Presented a paper on “Emerging QoS Parameters of SaaS,” <i>National Seminar on Emerging Trends in Information Technology: Challenges & Strategies</i>, GGSDS College, Sector-32, Chandigarh, India (Jan 2014)</p>
<p>Refresher Courses/Workshops/</p>	<p>Faculty Development Program on “Subject-Specific Benchmarking of Learning Outcomes: Outcome-Based Education” (26Oct to 01Nov,</p>

Training Programmes	<p>2023) Goswami Ganesh Dutta Sanatan Dharma College, Chandigarh, and Guru Angad Dev Malaviya Mission Teacher Training GAD- TLC Ministry of Education.</p> <p>Refresher Course on "Advanced Research Methodology" (22Aug to 05Sep, 2023) Teaching Learning Centre, Ramanujan College University of Delhi</p> <p>Refresher Course on "Advance in Pedagogical Approaches" (04 Jan to 17Jan, 2022) HRDC, Panjab University, Chandigarh.</p> <p>Workshop on "Research Ethics and Quantitative Techniques for Research and Publications" (25Apl to 30Apl, 2020) GGSDS College, Sector 32-C, Chandigarh</p> <p>Refresher Course on "Gender Studies" (31Dec, 2018 to 19Jan, 2019 HRDC, University of Rajasthan, Jaipur</p> <p>Faculty Development Program "Instructional Skill Workshop" (Jan, 2015) GGSDS College, Sector 32-C, Chandigarh</p> <p>Faculty Development Program (17May to 23May, 2014) GGSDS College, Sector 32-C, Chandigarh</p> <p>Refresher course on "Environmental Studies" (21Mar to 10Apl, 2014) Academic Staff College, Panjab University, Chandigarh</p> <p>Orientation Programme (14May to 10June, 2013) Academic Staff College, Panjab University</p> <p>Faculty Development Program (29Apl to 3May, 2013) University of Fraiser Valley and GGSDS College, Sector 32-C, Chandigarh</p>
Projects	<p>Minor Project- Reusability of Component and Composition (with Special Reference to Software Engineering) 2011-2013, UGC- New Delhi</p>
Administrative Experience	<p>Co-ordinator B.Voc (Hardware and Networking): 2015-till date</p> <p>Member Library Advisory Committee: 2019- till date</p> <p>College SPOC for Smart India Hackathon: 2023-till date</p> <p>Teacher In-charge Folk Dance (Luddi) 2017-till date</p> <p>Sub Registrar (IT): 2019-2021</p>