Dr. Varsha Sisaudia
Assistant Professor
Department of Information Technology, Delhi Technological University, New Delhi
Email: varsha@dtu.ac.in, sisaudia.varsha@gmail.com

Qualifications:
B.Tech(CSE), M.Tech(CSE), Ph.D. (CSE)

Education Background:
- Ph.D. (Computer Science & Engineering)
- University School of Information, Communication & Technology, GGSIPU, New Delhi
- M.Tech. (Computer Science & Engineering) - August 2014 - July 2016
  University School of Information, Communication & Technology, GGSIPU, New Delhi
- B.Tech. (Computer Science and Engineering), August 2009 – July 2013
  Maharaja Agrasen Institute of Technology, GGSIPU, New Delhi

Work Experience
- **Assistant Professor**, Department of IT, Delhi Technological University (24th December, 2020- Present)
  Subjects:

Programming Fundamentals	Database Management Systems
Object Oriented Programming	Data Structures
Digital Image Processing	

- **Assistant Professor**, School of Computing and Science Engineering, Galgotias University (26th August, 2019- 17 December,2020)
  Subjects:

Machine Learning	Digital Design & Computer Architecture
Industry Oriented Java	Design & Innovation

- **Assistant Professor**, Krishna Engineering College, AKTU (8th July- 25th August, 2019)
  Subject:

Computer System Security	Introduction to C

- **Assistant Professor**, USIC&T, Guru Gobind Singh Indraprastha University (31st Aug, 2016-25th July, 2018).
  Subjects:

Data Structures	Object Oriented Programming
Information Technology	Soft Computing
Introduction to Computers	

Achievements
- UGC NET qualified in December, 2019.
- Qualified GRE with a score 318/340. (13th October, 2018)
- Qualified TOEFL with a score 109/120 (24th November, 2018)
- Gate 2014 Qualified with Score 499 (AIR 4209)

Ph.D Guidance:
- Ms. Meenakshi Srivastava
- Ms. Indu Khatri
- Ms. Lalita Luthra
- Ms. Khushbu Gupta

Professional Membership
- Member of IEEE Professional
- ISTE Membership
- CSI Membership

Publications

Journals
- "Approximate regeneration of image using fragile watermarking for tamper detection and recovery in real time" in Multimedia Tools & Applications, 2024.
- "Non-iterative learning machine for identifying CoViD19 using chest X-ray images" in Scientific Reports, Springer,2022.
- "A secure gray-scale image watermarking technique in fractional DCT domain using zig-zag scrambling" in Journal of Information Security and Applications, Elsevier, 2022.
- "Copyright protection using KELM-PSO based multi-spectral image watermarking inDCT domain with local texture information-based selection", Multimedia Tools & Applications, 2020.
- "Self-adjustive DE and KELM-based image watermarking in DCT domain using fuzzy entropy" in International Journal of Embedded Systems, Inderscience, 2020.

Conferences
- "Performance analysis of different machine learning algorithms for intrusion detection on KDD-CUP-99 dataset" in AIP Conference Proceedings, 2024.
- "A Novel Graphical Password Scheme to Avoid Shoulder-Surfing Attacks in Android Devices" in International Conference on Intelligent Technologies (CONIT), 2022
- "Gray-scale Image Watermarking based on DE-KELM in DCT domain", Elsevier Computer Science Procedia, 2018.
- "ECG Classification using Kernel Extreme Learning Machine" in IEEE conference onPower Electronics, Intelligent Control and Energy Systems (ICPEICES- 2018).
- "Efficient Feature Extraction using DWT-DCT for Robust Face Recognition under varying Illuminations" in ICPEICES- 2018.

Workshops/ FDPs attended
- Coordinator for IIC Workshop on Intellectual Property Rights (IPRs) and IP Management for Startup held on 23rd May, 2023.
- Coordinator for one-week STC on Recent Trends in Machine Learning and Deep Learning for AI Applications organized by Department of IT from 5-9th June, 2023.
- Attended an industrial training on Cyber Security and Networking from 6-22nd July, 2023.
- Attended Faculty Development Programme on NBA Accreditation Procedure from May 09-11, 2022 organized by IQAC cell of DTU.
- Successfully completed a 4-Week Induction/Orientation Programme for "Faculty in

Universities/College/Institutes of Higher Education" from 15 February – 16 March 2022 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.

- Attended 2-week Interdisciplinary refresher course on "Advanced Research Methodology" from 22 January -05 February 2022 organized by Teaching Learning Centre, Ramanujan College University of Delhi
- Attended the FDP on "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 8 February, 2021 to 12 February, 2021.