Miranda House
UNIVERSITY OF DELHI

Name: Anuradha Khattar

Department: Computer Science

Current Designation: Associate Professor

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Academic Qualifications (reverse chronological order):   MCA, M.Sc. (Mathematics), B.Sc. (Gen with Computer Science)

Research Degree(s) (reverse chronological order): Ph.D. (Pursuing), M.Phil. (Computer Science)

Field of Specialization under the Subject/Discipline:

Deep Learning, Computer Vision, AI based Disaster Management

Total Teaching Experience: 15 Years

Teaching at Miranda House since: 2006

List of Publications (reverse chronological order):

- Khattar, A., & Quadri, S. M. K. (2022). Multi-source domain adaptation of social media data for disaster management. *Multimedia tools and applications*, 1-29.
  DOI: https://doi.org/10.1007/s11042-022-13456-0

- Khattar, A., & Quadri, S. M. K. (2022). Generalization of convolutional network to domain adaptation network for classification of disaster images on twitter. *Multimedia Tools and Applications*, 1-28.
  DOI: https://doi.org/10.1007/s11042-022-12869-1

- Khattar, A., & Ouadri, S. M. K. (2021, September). A Semi-Supervised Domain Adaptation Approach for Diagnosing SARS-CoV-2 and its Variants of Concern (VOC). In *2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions)(ICRITO)* (pp. 1-9). IEEE .**DOI:** 10.1109/ICRITO51393.2021.9596381

- Khattar, A., & Quadri, S. M. K. (2021). Deep domain adaptation approach for classification of disaster images. In *Intelligent Data Communication Technologies and Internet of Things* (pp. 245-259). Springer, Singapore.
  DOI: https://doi.org/10.1007/978-981-15-9509-7_21

- Khattar, A., Jain, P. R., & Quadri, S. M. K. (2020, May). Effects of the disastrous pandemic COVID 19 on learning styles, activities and mental health of young Indian students-a machine learning approach. In *2020 4th International Conference on Intelligent Computing and Control Systems (ICICCS)* (pp. 1190-1195). IEEE.
  DOI: https://doi.org/10.1109/ICICCS48265.2020.9120955

- Khattar, A., & Quadri, S. M. K. (2020, March). Emerging role of artificial intelligence for disaster management based on microblogged communication. In *Proceedings of the International Conference on Innovative Computing & Communications (ICICC)*.
  DOI: https://dx.doi.org/10.2139/ssrn.3562973

Educational Resource Material Developed (reverse chronological order):

One of the authors of NCERT Text Books:
(1) Computer Science (Class XI)
(2) Information Practices (Class XI)
(3) Computer Science (Class XII)
(4) Information Practices (Class XII)

Administrative Responsibilities (reverse chronological order):

- Teacher-in-Charge, Department of Computer Science, Miranda House, July 2016 to July 2018, July 2012 to July 2014, and July 2008 to July 2010.
- Conceptualized, drafted the syllabus and was the Coordinator of Add-on course in **"Data Science and Analytics"** conducted by Department of Computer Science, 2017- 2018, 2018-2019.
- Coordinator of Add-on course in **"Operations Research"** conducted by Department of Computer Science and Mathematics Department, 2006-2017.
- Nodal Officer of All India Survey for Higher Education (AISHE) conducted by MHRD, 2017-2018 and member for AISHE survey 2018-2019.
- Member of NIRF task force 2016-2017, 2017-2018, 2018-2019.
- Member of editorial team for NAAC, 2017.
- Deputy Co-Ordinator of the Central Evaluation Centre (CEC) for Semester examinations for the Academic Year 2016-17.
- Anchor for the King's Summer School at Miranda House from 17 June, 2013 to 28 June, 2013 for the course: **"E-Business: The Online Entrepreneur"**
- Audited King's College London Delhi summer School 2013 for the course **"E-Business: The Online Entrepreneur"**
- Deputy Superintendent of Semester Examinations, 2010-11 in the college.
- Member of Extended Admission Committee of the college.
- Member of Connectivity Committee of the college from 2007 – 2019.
- As DBT Star Coordinator (2011-2014), conducted the following workshops for students of Department of Computer Science, Miranda House which helped them to gain knowledge on latest topics apart from their curriculum:
    - Red Hat (Linux) Workshop (27 March and 28 March, 2014)
    - Campus to Corporate (24 February, 2014)
    - Science of developing Android Apps (24 January, 2014 to 25 January, 2014)
    - FOSS (7th October and 8 October, 2013)
    - Ethical Hacking (5 March and 6 March, 2013)
    - Robotics: Touching Lives (9 April and 10 April, 2012)
    - Scientific Visualization of Life Systems (23 March and 24 March, 2012)

Seminars/Workshops/Conferences attended (reverse chronological order):

- Participated in the International Symposium on **"Emerging Trends in Deep Learning and Data Analytics"** organized by the Laboratory for Data Science and Anaytics (LDSA), Department of Computer Science, South Asian University, New Delhi, India on June 21, 2022 through Online mode.
- One week Faculty Development Program on "**Natural Language processing and it's Applications"** from 05 March – 11 March 2022 organized by PGDAV college (M) University of Delhi, under PMMMNMTT.
- Attended a webinar on **"Managing References Made Easy Using Mendeley"** conducted by ELSEVIER at Miranda House, University of Delhi, on 27 July 2021.
- Completed 30-Hours Live Online Instructor-led FDP on **"Deep Learning & Computer Vision in Image & Video Data Analysis"** from 12 July to 27 July 2021 organized by Eduxlabs in association with E-Cell IIT Hyderabad.
- Completed the Hands-On **"Natural Language Processing"** online workshop conducted on 23 and 24 of January 2021, organized by Machine Learning India (MLI).
- Webinar on **"Infant Brain MR Images Analysis"** organized by Department of CSE, Indira Gandhi Delhi Technical University for Women (IGDTUW), Delhi on 12-11-2020.
- One-week workshop on Research Methodology titled **"Research for Resurgence"** from 10 September 2020 to 16 September 2020 at Centre for Professional Development and Higher Education (CPDHE), University of Delhi.
- One week Faculty Development Program on "**Open-source Tools for Research"** from 08 June – 14 June 2020 at Teaching Learning Centre, Ramanujan College, University of Delhi, sponsored by MHRD.
- Two weeks Faculty Development Program on "**Managing Online classes and Co-Creating MOOCs:2.0"** from 18 May – 03 June 2020 at Teaching Learning Centre, Ramanujan College, University of Delhi, sponsored by MHRD.
- Two Weeks Faculty Development Program on **"Recent Advances in Research Methodology"** at Teaching Learning Centre, Ramanujan College, University of Delhi from 17 January 2020 to 28 January 2020.
- Two Weeks Refresher Course in **"Computer Science and Information Technology"** at JNU, New Delhi from 16 September 2019 to 28 September 2019.
- Attended a four-day Summer School at IIITD on **"AI Assisted Data Analytics"** from 11 July 2019 to 14 July 2019.
- **"Hadoop Developer",** One week Faculty Development Program conducted by ICT ACADEMY, an Initiative of Government of India, 21 May 2018 to 25 May 2018.
- **"Data Science and Big Data Analytics"**, One week Faculty Development Program conducted by ICT ACADEMY, an Initiative of Government of India, 15 May 2018 to 19 May 2018.
- **"Machine Learning A-Z™: Hands-on Python &R in Data Science"** online course at Udemy.
- **"Data Analytics and R Programming"** (36 Hrs. Course), Miranda House, Delhi University, 4 January, 2018- 15 March, 2018.
- Participated as Resource Person in five-day workshop entitled **"Development of Syllabus and Textbook in Computer Science for class XI"** organized by NCERT, New Delhi, from 11 December, 2017 to 15 December, 2017.
- Participated in **"Faculty Development Program on Algorithms"** organized by Department of Computer Science, Delhi University in collaboration with ACM India Education and ACM Delhi NCR Chapter from 7 July, 2016 to 13 July, 2016.
- Participate in a conference on "Big Data Analytics (BDA 2014)" at IIT Delhi from 20 December 2014 to 23 December 2014.
- Participated in **"e-Yantra Symposium (eYS-2014)"** teachers' competition on 10-11 April, 2014 at held IIT Bombay and won fourth position
- Participated in Two-day workshop on **"Introduction to Robotics"** from 24 September, 2013 to 25 September, 2013 held at Cluster Innovation Centre, University of Delhi.

- Participated in Workshop on **"Foundation Course (Information Technology)"** from 28 May, 2013 to 30 May, 2013 held at CPDHE, Delhi University.
- Participated in International workshop on **"Ad-hoc Networking"** on 6 March, 2012 held at Department of Computer Science, Delhi University.
- Participated in National Seminar on **"Challenges in Cloud Computing"** 26 March, 2011 held at Management Education & Research Institute (MERI), Janak Puri.
- Participated in Workshop on "**e-classes as e-Learning Portal Coordinator**" on 18 August, 2010 at Institute of Life Long Learning, Delhi University.
- Participated in five days **"Teachers' Training Programme in Algorithms"** from 20 April, 2009 to 25 April, 2009 at Department of Computer Science, Delhi University.