# Curriculum Vitae (Updated September 2026)


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| **Name** | **Prof. (Dr.) Nidhi Arora** |
| **Designation** | Professor |
| **Department** | Computer Science |
| **Address (Official)** | Kalindi College, University of Delhi, East Patel Nagar, New Delhi-110005. India |
| **Phone No.** | - |
| **Email** | nidhiarora@kalindi.du.ac.in |

## Educational Qualifications

| Subject | Institution | Year | Details |
|---|---|---|---|
| **Ph.D. (Computer Science)** Thesis Title "*Enhancing Group Search Optimization Algorithm for Structural Analysis of Small Scale Networks*" | Department of Computer Science, University of Delhi | Awarded in June 2019 | Under the Guidance of Prof Hema Banati, Dyal Singh College, University of Delhi |
| **M.Phil (Computer Science)** Thesis on "*Survey of Algorithms for Identification of Transcription Modules in Microarray Data*" | Madurai Kamaraj Univ, Madurai | Awarded in 2010 | First Division |
| **Masters of Computers Applications(MCA)** | MD Univ, Rohtak. | 2004 | First Division |
| **Masters in Information Technology (MIT)** | MCRP Univ, Bhopal | 2001 | First Division |
| **B.Sc. (Comp. Sc.)** | Keshav Mahavidyalaya, University of Delhi | 1999 | First division |

## Career Profile

### Total Teaching Experience: (2001 – till date)- 25 years

| Organisation | Designation | Duration | Role |
|---|---|---|---|
| **Kalindi College** | Professor | 1st October 2024-till date | Teaching, Research and Administrative Activities |
| **Kalindi College** | Associate Professor | 23rd August 2018-till date | |
| **Kalindi College** | Senior Assistant Professor | 23rd August 2015-22nd August 2018 | Teaching, Research and Administrative Activities |
| **Kalindi College** | Assistant Professor - Permanent | 23rd August 2010-22nd August 2015 | |
| **Keshav Mahavidyalaya, DU** | Assistant Professor(Adhoc) | 1st Nov 2001 to 23rd August 2010 | Teaching |

## Research Interests/Specialization

Evolutionary Algorithms, Social Networks, Machine Learning, Data Structures, Deep Learning, C++.

# Administrative Assignments / Contribution to corporate life

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| **2026-27** | 1. Convener- College Research Projects Fund allocation committee<br>2. Member – Research Committee |
| **2025-26** | 3. IQAC Coordinator<br>**4.** Timetable committee convener |
| **2024-25** | 1. Convener : College Timetable committee<br>2. Member/ Member convener : AICTE guidelines Framing Committee for BCA - Data Structures, Java and Python Papers<br>3. Member : Research Project allocation Committee, Kalindi College<br>4. IQAC core committee member |
| **2023-24** | 5. Convener : College Time Table committee, MIS Committee<br>6. Convener: seating committee, Alumni day, seating and shamiana committee: Fresher party<br>7. Convener : Annual Day April 2024<br>8. IQAC Core Committee member |
| **2022-23** | 9. Convener : College Time- Table Committee , E-Waste Committee , Repository Committee<br>10. Member : College Fund Allocation committee |
| **2021-22** | 1.Convener : E-waste disposal committee<br>2.Convener : MIS committee, till Jan 2022<br>3.Advisor : MIS committee- Feb 2022 onwards<br>4.TIC- computer science department : 2021-22<br>5. Convener : Repository committee<br>6. Convener , Technical committee , Annual day June- 2021<br>7. Committee member : selection of College counsellor<br>8. Member of committee of Faculty of Mathematical science, University of Delhi. 2021-22 |
| **March 2020- 2021** | • Teacher In charge, Department of Computer Science, Kalindi College, March 2020 onwards<br>• Nodal Officer, OBE, August 2020- October 2020.<br>• Convener- Criteria 4, NAAC committee 2020.<br>• Convener- Technical Committee, Orientation Day 20-21<br>• Convener- Technical Committee, Annual day 2019-20<br>• Convener- National level FDP on "Moving Towards New Normal with Effective Online Teaching"" Organised by Department of Computer Science, Kalindi College held on 1st -7th December, 2020. |
| **2018-19** | • Deputy Co-Ordinator, Central Evaluation Centre, Kalindi College (May-September 2018)<br>• Member of Committee of Undergraduate Courses, Department of Computer science, University of Delhi.<br>• Convenor, Cultural Program, Farewell 2019 |
| **2013-2014, 2017** | • Member, Purchase Committee |
| **2017-19** | • Convenor, E-waste Committee<br>• Co-Convenor, Repository Committee |
| **2014** | • Member, Core Committee, Admissions<br>• Convenor, ECA admission Committee<br>• Superintendent, Written+ Skill Test, JACT(Contract), Kalindi College |
| **2012-13** | • Convenor, Cultural programme, Annual Day |
| **2013** | • Co-Convenor, ECA admission committee |
| **6th Aug 2012-20th Nov 2012** | • Teacher-In-Charge, Department of Computer Science, Kalindi College |

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| **1st May 2013-30th July 2014** | |
| **2012,2013, 2014,2018,2019** | • Convenor, Inter College Cultural Festival Lehren |
| **2012-13** | • Member, Cultural Council, Univ of Delhi |
| **2011-12** | • Member, Examination Committee<br>• Convenor, Prize Distribution Committee, Annual Day<br>• Member , ECA admission Committee<br>• Co-Convenor, Lehren, Kalindi College Cultural Festival<br>• Co-ordinator, Physcom Society<br>• Convenor, Seating and Shamiana Committee, Alumni Day |

## Subject/Courses Taught

**Courses Taught**

- B.Sc. (H) Computer Science, B.Sc. (Physical Sciences), B.Sc. (G) Computer Science, PGDCA, BIS, BIT , PGDCA

**Subjects Taught**

- Programming Languages – C++, Java, Algorithms, Data Structures, Computer Networks, Multimedia and Database Management Systems, Machine Learning.

## Journal Publications (Peer Reviewed/Indexed Journals)

**Orcid:** Dr. Nidhi Arora (0009-0009-6413-8432) - ORCID

**Google Scholar:** Nidhi Arora - Google Scholar

| *Year of Publication* | *Title* | *Journal (Name of the journal. Vol Issue ISSN)* | *Co-Author* |
|---|---|---|---|
| **Feb 2026** | Bibliometric analysis on current trends, technology and innovations in women and children healthcare for sustainable economies<br><br>Doi: https://doi.org/10.1007/s13198-025-03126-3 | *International Journal of System Assurance Engineering and Management (2026)*<br><br>*Scopus Indexed , Impact Factor - 1.5* | Aprna Tripathi, Shilpa Srivastava, Nidhi Arora, Millie Pant & Chandraketu Singh |
| Nov 2025 | A robust deep learning ensemble framework for accurate brain tumor classification<br><br>Doi : https://doi.org/10.1007/s44163-025-00580-7 | **Discover Artificial Intelligence, volume 5, article no 316 (2025).** Scopus indexed, springer | Kukadiya, H., Arora, N. & Meva, D. A |
| **August 2025** | Influence maximization in social networks under seeding budget constraints: A novel shuffled flamingo search-based metaheuristic approach for viral marketing DOI : https://www.tandfonline.com/doi/abs/10.1080/10919392.2025.2544492 | Journal of Organizational Computing and Electronic Commerce. (SCI and Scopus indexed, Taylor and Francis Impact Factor: 1.9). | Seema, Hema banati |
| **Jan 2025** | An enhanced predictive modelling framework for highly accurate non-alcoholic fatty liver disease forecasting<br>DOI: http://doi.org/10.11591/ijeecs.v37.i1.pp214-222 | Indonesian Journal of Electrical Engineering and Computer Science. Vol.:37 ,, No.1 ,, January 2025, pp. 214~222,ISSN: 2502-4752, SCOPUS INDEXED | Shilpa Srivastava, Aprna Tripathi, Varuna Gupta |
| **Dec 2024** | Nature Inspired Optimization For Real World Problems<br>DOI: 10.9790/0661-2606025862 | IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661, p-ISSN: 2278-8727, Volume 26, Issue 6, Ser. 2 | Single Author |

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| | https://www.iosrjournals.org/iosr-jce/pages/26(6)Series-2.html | (Nov. – Dec. 2024), PP 58-62. Peer reviewed | |
| **September 2024** | Deep Learning based Road Traffic Assessment for Vehicle Rerouting: An Extensive Experimental Study of RetinaNetand YOLO Models<br>Doi : 10.54392/irjmt2459 | Int. Res. J. Multidiscip. Technovation, 6(5) (2024)134-152. Scopus Indexed | Anand John, Divyakant Meva, Nidhi Arora |
| August 2024 | An Efficient Deep Learning Model Using Harris-Hawk Optimizer for Prognostication of Mental Health Disorders<br>Doi : 10.54392/irjmt2449 | International Research Journal of Multidisciplinary Technovation, 6(4), 106-123. Scopus Indexed | Vandana, Srivastava, S., Arora, N., & Gupta, V |
| **May 2024** | Multi-criteria decision making (MCDM) in diverse domains of education: a comprehensive bibliometric analysis for research directions<br>DOI: https://doi.org/10.1007/s13198-024-02332-9 | *International Journal of System Assurance Engineering and Management* (2024)<br>Scopus Indexed<br>Impact Factor : 2.0 (2024) | Shilpa Srivastava, Aprna Tripathi |
| **March 2024** | An Ensemble Deep Learning Model for Automatic Classification of Cotton Leaves Diseases<br>DOI: http://doi.org/10.11591/ijeecs.v33.i3.pp1942-1949 | Indonesian Journal of electrical engineering and computer science **Vol.33, No.3, March2024, pp. 1942~1949 ISSN: 2502-4752, Scopus Indexed** | HirenKumar Kukadiya. Divyakant Meva, Shilpa Srivastava |
| **2024** | Effective Groundnut Crop Management by Early Prediction of Leaf Diseases through Convolutional Neural Networks<br>DOI: 10.54392/irjmt2412 | International Research Journal of Multidisciplinary Technovation, 6(1), pp 17-31, E-ISSN: **2582-1040, Scopus Indexed** | HirenKumarKukadiya. Divyakant Meva, Shilpa Srivastava |
| 2023 | Diabetes mellitus prediction using machine learning within the scope of a generic framework<br>DOI: 10.11591/ijeecs.v32.i3.pp1724-1735 | Indonesian Journal of electrical engineering and computer science, 32(3), pp. 1724-1735<br>ISSN: 2502-4752. Scopus Indexed | Shilpa Srivastava, Ritu Agarwal, Vandana Mehndiratta, Aprna Tripathi |
| **2023** | Automatic Diseases Classification and Detection in Castor Oil Plant Leaves Using Convolutional Neural Network https://doi.org/10.1007/s42979-023-02327-6 | *SN Computer Science, Springer , journal .2023. 4(6), pp 863. ISSN :* ***Scopus Indexed*** | HirenKumar Kukadiya. Divyakant Meva |
| 2018 | Arora, N. and Banati, H., 2018. IM-GSO: A Community Directed Group Search Optimization Approach for Influence Maximization.<br>DOI: 10.1080/01969722.2018.1542854 | Cybernetics and Systems, 49(7-8), pp.497-520.<br>Indexed : Scopus, ESCI<br>Impact Factor - 1.8 (2021) | Hema Banati |
| **2016.** | Detecting communities in complex networks-A discrete hybrid evolutionary approach<br>https://doi.org/10.1080/1206212X.2016.1210280 | *International Journal of Computers and Applications*, Taylor and Francis, 38(1), pp.29-40. Indexed : Scopus<br>Print ISSN: 1206-212X<br>Online ISSN: 1925-7074 | Hema Banati |
| **2016** | Multiobjective Group Search Optimization Approach for Community Detection in Networks<br>DOI: 10.4018/IJAEC.2016070103 | *International Journal of Applied Evolutionary Computation (IJAEC)*, IGIglobal publishers, 7(3), pp.50-70.<br>Indexed : DBLP, ACM<br>ISSN: 1942-3594<br>EISSN: 1942-3608 | Hema Banati |
| **2014** | "Enabling Inclusive Education in Structured Learning Environments through Social Network Analysis" | International Journal of Innovation in Education, 2(2/3/4) PP. 151-167, Inderscience. | Hema Banati |

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| | https://doi.org/10.1504/IJIIE.2014.067933 | Indexed: Google Scholar, Inspec, ISSN-1755-1528. | |
| **2011** | "Clustering in Microarray Data" | Yearly Academic Journal, Kalindi College, Vol 10, PP.96-108, ISSN-2348-9014 | - |
| **2012** | "Biometrics – A concern for Security" | Yearly Academic Journal, Kalindi College, Vol 11, PP.160-167. ISSN-2348-9014 | - |

## Seminar/Workshop/Conferences Presentations and Publications

1. Paper Presentation : Detecting Student Depression Using Non-Clinical Measures with Explainable Predictive Modeling, in 2nd IEEE international conference on emerging technologies and innovation for sustainability organised by NIET, Gr Noida, UP India , 28-29 Nov 2025 , doi : **https://ieeexplore.ieee.org/abstract/document/11450836**

2. Paper Presentation: Srivastava, S., Arora N., Pant, M., Singh, M. "Prophesying Credit Card Frauds using Predictive and Deep Transfer Learning: A Comprehensive Experimental Perspective", 9th euro-china conference on intelligent data analysis and applications Held on July 21–23, 2025 | Ostrava, Czech Republic. (proceedings to be published by Springer), doi : **https://link.springer.com/chapter/10.1007/978-3-032-13048-8_17**

3. Upcoming Proceedings: Gandhi, N., Arora, N., & Banati, H. Dropout prediction in behavior-based online learning for STEM vs non-STEM courses: A machine learning approach. 2nd International Conference on Advances in IoT and Security with AI (presented in ICAISA-2025, held on 4-5 April 2025). (Accepted and presented, to be published in Lecture Notes in Network Systems (LNNS), Springer).

4. Seema, N. A., & Banati, H. (2025, September). Shuffled Flamingo Search (ShFSA) Algorithm. In Soft Computing for Problem Solving: Proceedings of 12th International Conference on Soft Computing for Problem Solving (SocProS 2023), IIT Roorkee, India, August 11–13, Vol. 3 (Vol. 3, p. 283). Springer Nature.

5. Mehndiratta, V., Srivastava, S., & Arora, N. (2025, September). Aspect of Artificial Intelligence in Dealing with Mental Health Disorders. In Soft Computing for Problem Solving: Proceedings of 12th International Conference on Soft Computing for Problem Solving (SocProS 2023), IIT Roorkee, India, August 11–13, Vol. 3 (Vol. 3, p. 19). Springer Nature.

6. Nidhi Arora, Reena Jain, Vandana Gupta, Umang Aggarwal, Chetna Gupta, Mahima Kumari, Naina Chaudhary, Pankhuri Jain, Rekha Pal Investigating factors influencing scholastic execution at undergrad level using network analytics, Presented in ICAICR '19 Third International Conference on Advanced Informatics for Computing Research Shimla, India — June 15 - 16, 2019, Proceedings in ACM-DL, ISBN: 978-1-4503-6652-6 doi>10.1145/3339311.3339319

7. Nidhi Arora[1], Reena Jain[2], Vandana Gupta[3], Aarushi[4], Mink Singh Chauhan[5], Shivani Yadav[6], Pallavi Pal[7], Umang Aggarwal8, Swati Basu9 ,"Youth and Social Media: A Case Study of Kalindi College for Women", Paper presented at "*International Conference on Empowering Women: Fostering Entrepreneurship, Innovation and Sustainability*" jointly organised by SRCC and NITI Aayog on 16-17 July 2018 , IIC, Delhi.

8. Nidhi Arora and Hema banati, "A Framework to Mine Communities Using Nature Inspired Algorithms", *IEEE International Conference on Research in Computational Intelligence and Communications Networks (ICRCICN)*, 2016a .
   Electronic ISBN: 978-1-5090-1047-9 .CD-ROM ISBN: 978-1-5090-1045-5
   USB ISBN: 978-1-5090-1046-2 .Print on Demand (PoD) ISBN: 978-1-5090-1048-6

9. Puja Munjal, Nidhi Arora, Hema Banati , " Dynamics of online Social Networks based on parametric variation of relationship" , *in IEEE International Conference on Research in Computational Intelligence and Communications Networks (ICRCICN)*, 2016b.
   Electronic ISBN: 978-1-5090-1047-9 .CD-ROM ISBN: 978-1-5090-1045-5
   USB ISBN: 978-1-5090-1046-2 .Print on Demand(PoD) ISBN: 978-1-5090-1048-6

10. Nidhi Arora and Hema Banati, 2016c, "Enhancing Group Search Optimization with Node Similarities for Detecting Communities". In *The International Symposium on Intelligent Systems Technologies and Applications* , 2016, pp. 303-316. Springer International Publishing.
    Print ISBN- 978-3-319-47951-4. Online ISBN- 978-3-319-47952-1

11. Hema Banati and Nidhi Arora, 2015a. "TL-GSO: - A Hybrid Approach to Mine Communities from Social Networks", in Proc. of *IEEE International Conference on Research in Computational Intelligence and Communications Networks (ICRCICN)*, 2015, pp. 145-150, IEEE.
    Electronic ISBN: 978-1-4673-6735-6 .CD-ROM ISBN: 978-1-4673-6734-9

**12.** Hema Banati and Nidhi Arora, 2015b. "Modeling Evolutionary Group Search Optimization Approach for Community Detection in Social networks" , in Proceedings of the *Third Int. Symposium on Women in Computing and Informatics*, 2015, pp. 109-117, ACM. ISBN: 978-1-4503-3361-0

## Book Chapters Published/Books Edited

1. Accepted Book Chapter: Seema, Arora, N., & Banati, H. (2025, February). Impact of network scale variation on metaheuristic-based influence maximization: A performance analysis. In Book "Computational Optimization Techniques for Artificial Intelligence Enabled Environments (Springer)" (Accepted for publication)

2. Book Edited (under Proof reading stage): Computational Optimization Techniques for Artificial Intelligence Enabled Environments (Springer, to Be published in Jan 2027)", **https://link.springer.com/book/9789819226757**

3. Edited Book: Emerging Trends in Information Technology, 2019, Editor- Dr. Nidhi Arora, Publisher- Bloomsbury India, ISBN: 978-93-89165-99-9 **https://www.bloomsbury.com/in/emerging-trends-in-information-technology-9789389165999/**

4. Book Chapter : Arora, N. and Banati, H., 2017. GSO Based Heuristics for Identification of Communities and Their Leaders. In *Hybrid Intelligence for Social Networks* (pp. 99-127). Springer, Cham. **https://link.springer.com/chapter/10.1007/978-3-319-65139-2_5**
5.

6. **E-Content Development** : Author of Module 1-Threaded Trees, BSc.(H)Comp Sc II sem , ILLL Module, University of Delhi, ISBN: 978-93-85611-37-7
Subject (du.ac.in) https://vle.du.ac.in/pluginfile.php/1180/mod_resource/content/0/Threaded%20Trees.pdf
7. **E-Content Development** : Author of Module 2- M-way Trees, BSc.(H)Comp Sc II sem , ILLL Module , University of Delhi, ISBN: 978-93-85611-37-7
M-Way Trees And B-Trees.pdf (du.ac.in) https://vle.du.ac.in/pluginfile.php/1179/mod_resource/content/0/M-Way%20Trees%20And%20B-Trees.pdf

## Seminar/ Conference/Workshop Organised

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- **Teacher coordinator** for computer science society Sattva for 2024-25 session.
- **Program Coordinator** of Cyber Security Awareness Program organized by Internal Quality Assurance Cell (IQAC) on 18th April 2024 at Kalindi College.
- **Convener :** One week (Online) Interdisciplinary Faculty Development Programme on "Applications of AI-Machine Learning and Soft Computing Techniques" (29th January – 3rd February 2022) organised by Kalindi College, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.
- **Course Convener:** Value added course on Basic computer and IT skill , 27th jan 2022- 16th feb 2022 Organised by department of computer science kalindi college and CETPA infotech.

- **Convener-** National level FDP in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi on "Moving Towards New Normal with Effective Online Teaching" Organised by Department of Computer Science, Kalindi College held on 1st -7th December, 2020
- **Convener-** UGC Sponsored National Conference on Emerging Trends in Information Technology held on 1st and 2nd August 2019 at Kalindi College.
- Organised a Students Webinar on "Managing Psychological Lockdown" in Kalindi College, Speaker, Dr. Shivani from Aryabhatta College on 6th May 2020.
- **Convener**, Webinar on Importance Of Machine Learning & Data Science In Today's World ,Kalindi College, September 4, 2020
- **Convener**, Inter-College Technical Fest – TECHNOPHILIA ,UG, Kalindi College, October 6, 2020
- **Convener**, Webinar on Cyber security, Kalindi College, January 16, 2021
- **Convener**, Inter-College Technical Fest – TECHNOPHILIA 2.0 , Kalindi College, February 26, 2021
- 2011-12, Organised Seminar on " Developing Intelligent Machines Using Fuzzy Logic" By Dr. Devendar Tayal at Kalindi College on 26th August 2011, Kalindi College

## FDP/Workshop/Trainings/Courses Attended

- Attended One day workshop on Applications of Artificial Intelligence in HealthCare: from Data to Diagnosis held on 28 september 2024 at Department of computer science University of Delhi, sponsored by SERB
- One day online workshop on "**"Introduction to Machine Learning and Recommender Systems" organized on December 09, 2023 by Department of Computer Science, University of Delhi, Delhi.**
- COMPUTE 2021(ACM- India Council), 14th Annual Conference, November 18 - 20, 2021 held at Department of Computer Science, University of Delhi.
- Attended One week FDP on Exploratory Data Analysis using Statistical Software R and SPSS" organised by Department of Statistics and Internal Quality Assurance Cell (IQAC) Mata Sundri College for Women, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi. 07th January - 13th January, 2021
- Completed Two week FDP on managing online classes and co-creating MOOCs Organised by Teaching Learning Centre, established under the Pandit Madan Mohan Malaviya National Mission on Teachers and Training scheme of MHRD, Ramanujan College (University of Delhi) from 20th April to 6th May 2020
- One week workshop on E-contents Development and Online Pedagogy CPDHE, DU 23rd May 2020 to 29th May 2020
- One week FDP on Algorithms Department of computer science, University of Delhi 7th July 2016- 13th July 2016
- Workshop on Data Analytics and its Security Issues at Jaypee Institute of Information Technology, Noida, 4th December 2015-5th December 2015
- Refresher course ( Three weeks course) CPDHE, Delhi 14 December 2013 to January 4, 2014 ( Three weeks course)
- Completed E-Learning course on Social Network Analysis from Course-era on May 8, 2013.
- Orientation Course OR-69 (4 week) CPDHE, ILLL, Univ. of Delhi, 13th Dec 2011 to 9th Jan 2012
- Ref. Course in Comp. Sc. & Inf. Tech.- (4 week),ASC, JNU, 29th August 2011 to 23rd Sep 2011
- Teacher Training Programme in algorithms Department of computer science, University of Delhi 20-25th April 2009
- Workshop on Ethical Hacking and Information Security, Keshav mahavidyalaya, 20-21 august 2009
- VLDB Summer school on Frontiers of Database Technology,IIT, Delhi, 1st June 2004 to 4th June 2004,IIT, Delhi

## Awards & Distinctions

- Qualified J and K State Level Eligibility Test (Computer Science) for Lecturer-ship - August 2005.
- Qualified UGC-NET (2006) in Computer Science.

## University Service/ Consulting Activity/ Resource Person/ Invited Talks

- Research Advisory Committee member – IGDTUW, 2025 session
- Invited as Guest Speaker in MCRP Univ Bhopal, August 2025, Orientation Day

- **Delivered a talk** in the AI Lecture Series -02 on the topic "Understanding progression from AI to generative AI and it's state of the Art" held on 15 February, 2024, organised by the School of Sciences in collaboration with Centre for Artificial Intelligence CHRIST (Deemed to be University), Delhi NCR campus.
- **Resource Person**: Took sessions on "**Deep Learning and Artificial Intelligence**" Unit -1 - Post Graduate Diploma in Bioinformatics, Computational Biology and Drug Discovery- 2nd Semester at ACBR, DU on Feb 8-9 2024.
- Departmental Advisory Board member, Bharti vidyapeeth College of Engineering, Delhi 2023-24
- **External Expert** in DRC (CSE), IGDTUW , October 2023
- **Chaired a session during the 12th International Conference on Soft Computing for Problem Solving (SocProS 2023) held at Indian Institute of Technology Roorkee, Roorkee, India during 11th to 13th August 2023.**
- Delivered a Talk on "Understanding Data Science: From Machine Learning to Deep Learning" at Raj Kumar Goel Institute of Technology, Ghaziabad, on 4th October 2023
- **Delivered a talk in the Faculty Training & Learning Series-01 on the topic "Particle Swarm Optimization " held on 27 September, 2023, organised by the School of Sciences at CHRIST (Deemed to be University), Delhi NCR campus.**
- **Resource Person** : Took sessions on "**Deep Learning and Artificial Intelligence**" Unit -1 - Post Graduate Diploma in Bioinformatics, Computational Biology and Drug Discovery- 2nd Semester at ACBR, DU on 15th May 2023 and two sessions on 17th May 2023.
- Member, Committee for Faculty of Mathematical Science , Delhi University 2022 onwards
- External Examiner for UG Projects evaluation at Christ University( Deemed to be University), Delhi NCR , April 2023
- Recognized as Co-Supervisor for Ph.D in Department of Computer Science , University of Delhi, April 2023
- **Resource Person :** for two sessions **"Getting acquainted with Google services for IT enabled teaching" & "Video e-content creation for MOOC" on 01st & 02nd December, 2022 respectively in** Faculty Induction Programme , organised by **Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi during 01st - 30th December, 2022.(online).**
- **Resource person** and presented the topic "Getting acquainted with Google services -Google Drive, Google form , Google slide, Google website." under the session/sub-session" in national level FDP on "Moving Towards New Normal with Effective Online Teaching"" Organised by *Department of Computer Science, Kalindi College* held on 1 st -7 th December, 2020, at Mahatma Hansraj Faculty Development Centre, Hansraj College (online).
- **Resource person** and presented the topic "Getting acquainted with Google services -Google Drive, Google form , Google slide, Google website." in national level FDP on "E-Content Generation and Managing Online Teaching" Organised by *Aurbindo College* held on 11th - 17th December, 2020, at Mahatma Hansraj Faculty Development Centre, Hansraj College (online)
- **Resource person** and presented two topics ""Utilizing Google services for effective online teaching" & "Google sites and open source software for lecture recording" in national level FDP on "Online Teaching Tools" Organised by Mahatma Hansraj Faculty Development Centre, Hansraj College in collaboration with PARAMARSH, UGC SCHEME held on 16th February – 22nd February, 2021, at Mahatma Hansraj Faculty Development Centre, Hansraj College (online)
- **Resource person** and delivered a session on "Data Science What, Where, How a brief Overview" in national level Faculty Development Program on Data Science Organised by Department of Computer science and Applications, Makhanlal Chaturvedui University of Journalism and Communication, Bhopal in collaboration with AICTE held on 7th to 11th September , 2020, (online)
- **Session Chair**: Chaired a session in International Conference on Advances in Smart Materials and Emerging Technologies organized by IGDTUW held on Jan 23-24, 2020 at IGDTUW , Delhi
- **Resource person** in a Seminar on "Current IT trends", organised by Makhanlal Chaturvedi National University, Bhopal on 29th November 2017.
- **TPC committee member** in First International Conference on Advanced Computational and Communication Paradigm held at Skkim Manipal Institute of Technology, Skkim, India during 8-10 Septemeber 2017.
- **Resource person** for Inter-College "Skill Enhancement Workshop for Laboratory Staff" held at Kalindi College (University of Delhi) on 13-14 March, 2018.
- **Reviewer** of International Journal "IEEE Access", Feb 2019 . IEEE *Access* has an impact factor of 3.557, an Eigenfactor of 0.0186, and an article influence score of 1.098 (per 2017 JCR).

## Minor Projects Undertaken (Funded)

1. 2017-18: "Social Media for Youth: A Boon or a Bane",Funded by Kalindi College (KC/2017/03) - Principal Investigator- Completed , Six undergraduate students involved

2. 2018-19: "Analysing Real World Relationships Through Network Analytics, Funded by Kalindi College - Principal Investigator- Completed, Six undergraduate students involved

## Ph.D Supervision

1. Co-Supervisor to Ms Neha Gandhi – pursuing Ph.D (computer science) from Department of Computer Science, University of Delhi. Date of registration: 23rd October 2023. Research Broad Area : AI Ecosystems