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Title	Dr.	First Name	Sonal	Last Name	Linda	Photograph
Designation		Assistant Professor				
Address ; Office		University of Delhi Plot No 5, Benito Juarez Marg, South Campus, Anand Niketan, New Delhi, Delhi-110021.				
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Educational Qualifications

Degree	Institution	Year
Ph.D.	Jawaharlal Nehru University, New Delhi	2020
M.Tech	Jawaharlal Nehru University, New Delhi	2014
MCA	Jawaharlal Nehru University, New Delhi	2011
B.Sc.	St. Xavier's College, Ranchi	2008

Career Profile

From 13.10.2015 to till date working as Assistant Professor at Aryabhatta College.

Administrative Assignments

Teacher In Charge, Computer Science Dept., Aryabhatta College (2017-2018, 2019-2020, 2023-2024)

Convener, Anti-Ragging Committee, Aryabhatta College (2021-2023)

Convener, ICT Committee, Aryabhatta College (2021-2022)

Member, Prospectus Committee, Aryabhatta College (2021-2022)

Member, Discipline Committee, Aryabhatta College (2016-2023)

Member, Academic Planning Committee, Aryabhatta College (2018-2026)

Member, Library Committee, Aryabhatta College (2017-2018, 2019-2020)

Member, Workload Committee, Aryabhatta College (2017-2018, 2019-2020, 2023-2024)

Member, Admission Committee, Aryabhatta College (2017-2018, 2019-2020, 2023-2024)

Member, Admission Grievance Committee, Aryabhatta College (2018-2019)

Member, GE coordination Committee, Aryabhatta College (2018-2019)

Member, Magazine Committee, Aryabhatta College (2017-2018, 2021-2023)

Member (2016-2017, 2023-2026), Convenor (2023-2024) Website Committee, Aryabhatta College

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Member (2025-2026), Alumni Relations Committee, Aryabhatta College

Areas of Interest / Specialization

Artificial Intelligence and Machine Learning Techniques

Subjects Taught

Database Management System, IT Fundamentals, Office Automation Tools, Programming using C++, Python Programming, Computer System Architecture, Microprocessor, Data Mining, Data Structure

Research Guidance

Minor Projects

Publications Profile

I. Linda, S. (2024). A State-of-the-Art Review on the Implications of ChatGPT in Educational Practices and Research. *Educational Perspectives on Digital Technologies in Modeling and Management*, 1-24.

II. Kumar, R., Maheshwari, S., Sharma, A., Linda, S., Kumar, S., & Chatterjee, I. (2023). Ensemble learning-based early detection of influenza disease. *Multimedia Tools and Applications*, 1-21.

III. Linda, S., Minz, S., & Bharadwaj, K. K. (2020). Effective Context-Aware Recommendations Based on Context Weighting Using Genetic Algorithm and Alleviating Data Sparsity. *Applied Artificial Intelligence*, *34*(10), 730-753.

IV. Linda, S., Minz, S., & Bharadwaj, K.K. (2019) Fuzzy-genetic approach to context-aware recommender systems based on the hybridization of collaborative filtering and reclusive method techniques. *AI Communications*, Vol. 32(2), pp. 125-141.

V. Linda, S., & Bharadwaj, K. K. (2019). A genetic algorithm approach to context-aware recommendations based on spatio-temporal aspects. In *Integrated Intelligent Computing, Communication and Security, Studies in Computational Intelligence,* Vol. 771, pp. 59-70. Springer, Singapore.

VI. Linda, S., & Bharadwaj, K. K. (2018). A Decision Tree Based Context-Aware Recommender System. In *International Conference on Intelligent Human Computer Interaction*, Lecture Notes in Computer Science, Vol. 11278, pp. 293-305. Springer, Cham.

VII. Linda, S., & Bharadwaj, K. K. (2016). A fuzzy trust enhanced collaborative filtering for effective context-aware recommender systems. In *Proceedings of First International Conference on Information and Communication Technology for Intelligent Systems:* Vol. 2, pp. 227-237. Springer, Cham.

Conference Organization/ Presentations

I. Linda, S. (2024). Retinal Eye Disease Detection Using Optimized Convolution Neural Networks. 8th International Conference on "Digital Transformation in Business: AI, Sustainability and Economic Resilience".

II. Nabi, A., Joshi, I., & Linda, S. (2023, March). Effective Load Balancing and Load Sharing in Multi-access Edge Computing for Extreme Network Congestion. In *Proceedings of Third International Conference on Advances in Computer Engineering and Communication Systems: ICACECS 2022* (pp. 119-129). Singapore: Springer Nature Singapore.

III. Linda, S., & Bharadwaj, K. K. (2019). A genetic algorithm approach to context-aware recommendations based on spatio-temporal aspects. *Integrated intelligent computing, communication and security*, 59-70. **[Best**

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Paper Award]

IV. Linda, S., & Bharadwaj, K. K. (2018). A decision tree based context-aware recommender system. In *Intelligent Human Computer Interaction: 10th International Conference, IHCI 2018, Allahabad, India, December 7–9, 2018, Proceedings 10* (pp. 293-305). Springer International Publishing.

V. Linda, S., & Bharadwaj, K. K. (2016). A fuzzy trust enhanced collaborative filtering for effective context-aware recommender systems. In *Proceedings of First International Conference on Information and Communication Technology for Intelligent Systems: Volume 2* (pp. 227-237). Springer International Publishing.

Research Projects (Major Grants/Research Collaboration)

NA

Awards and Distinctions

UGC NET JRF qualified (DEC 2014)
GATE qualified (2012)

Association With Professional Bodies

NA

Other Activities

- Successfully completed a 4-week Faculty Development Programme on Python for Data Science organaized by SWAYAM NPTEL from Jul-Aug 2021.
- Attended Online two - week inter-disciplinary refresher course/faculty development programme on "Research Methodology and Data Analysis" from 17 - 31 May, 2021 organized by TLC, Ramanujan College under the Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT).
- Attended Online two - week refresher course/faculty development programme in statistics on the theme "Applications of Statistical Techniques in Real World" (01 - 15 May, 2021) organized by TLC, Ramanujan College under the Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT).
- Participated in Online Induction Training/Orientation Programme for Faculty in Universities/Colleges/Higher Educational Institutions under the Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) [10th November to 09th December 2020].
- Participated in Two-week FDP programme on Managing Online Classes and Co-creating Moocs 3.0 organized by TLC, Ramanujan College under the Ministry of Education sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) [25th July to 10th August, 2020].
- Participated in Five Day International Conference on "Recent Trends in Mathematics and Its Applications to Graphs, Networks and Petri Nets (ICRTMA-GPN-2020) organized by JNU, New Delhi, 20^{th}-24^{th} July, 2020.
- Attended Five days FDP on "Machine Learning and Its Applications using Python", 29^{th} June-3^{rd} July, 2020.
- Attended FDP on "Python and Emerging Trends in Machine Learning", 2^{nd}-6^{th} June, 2020
- Participated in One-week online FDP on "Big Data Tools", 18^{th}-23^{rd} May, 2020.
- Participated in Skill Enhancement Programme on "Python for Data Science", 11^{th}-17^{th}May, 2020.