

Curriculum Vitae



**DR. LALIT MOHAN
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Affiliation:

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Education Qualifications/Achievement

1. **Ph.D.** (Computer Engineering) from **Jamia Millia Islamia University, New Delhi in 2016.**
2. M. Tech (IT) from IP University, Delhi in 2009 with distinction.
3. B.Tech. (Computer Engineering) in 2002 with Honors from Kurukshetra University, Kurukshetra.
4. GATE-2011, GATE-2019 Qualified.

Patent & Research Projects

1. Title: Creating a repository of equipment's under ICAMR's intramural program, Funding Agency- ICMR, New Delhi, Grant 2.42 Lakhs, Date of sanction: 01/03/2018 Date of Completion: 21/08/2018, Status: **Completed.**
2. Three Indian patent:- Patent no. 361136, 384612 and 406305 guaranteed.

Papers Published- International Journals

1. Sachdeva T., **Goyal L. M.**, Mittal M., (2025), "Mapping the Landscape of Personalization: A Comprehensive Review of Prediction and Trends in Recommendation Systems", WIREs Data Mining Knowledge Discovery, John Wiley & Sons, vol 15(2), pp. 1-29, ISSN-1942-4795 (**SCIE IF- 6.4**), <https://doi.org/10.1002/widm.700006>
2. Mittal M., **Goyal L. M.**, Hemanth D-J & Sethi J. K. (2019), "Clustering approaches for high-dimensional databases: A review", WIREs Data Mining Knowledge Discovery, John Wiley & Sons, vol. 9(3), pp. 1-14., ISSN- 1942-4795 (**SCIE IF- 6.4**) <https://doi.org/10.1002/widm.1300>
3. **Goyal, L.M.**, Arora, M., Pandey, T. & Mittal M., (2020), "Morphological classification of galaxies using Conv-nets", Earth Science Informatics, vol. 13 (4), pp. 1427-1436. ISSN- 1865-0481. (**SCIE IF- 2.705**) <https://doi.org/10.1007/s12145-020-00526-w>
4. Chhetri B., **Goyal L. M.** and Mittal M., (2023), "How Machine Learning is used to Study Addiction in Digital Healthcare: A Systematic Review", International Journal of Information Management Data Insights, vol. 3(2023) 100175, pp. 1-17, ISSN-2667-0968, (Scopus) <https://doi.org/10.1016/j.jjime.2023.100175>
5. Chhetri, B., **Goyal, L. M.**, Mittal, M., Gurung S. (2020). Consumption of Licit and Illicit Substances leading to Mental Illness: A Prevalence Study. EAI Endorsed Transactions on Pervasive Health and Technology, 6(21). ISSN- 2411-7145 (Scopus Indexed- 0.227).

6. **Goyal L. M.**, Beg M. M. S. and Ahmad T., (2017), "An Efficient Framework for Mining Association Rules in the Distributed Databases", The Computer Journal, Oxford University Press, Vol. 61 (5), pp. 645-657. ISSN-1460-2067. (**SCIE IF 1.762**). <https://doi.org/10.1093/comjnl/bxx067>

7. Kumar R., Son L. H., Jha S., Mittal M. and **Goyal L. M.**, (2018), "Spatial data analysis using association rule mining in distributed environments: a privacy prospect", Spatial Information Research, vol. 26(6), pp. 629-638, (Springer). ISSN-2366-3294. (Scopus Indexed- 0.439) <http://link.springer.com/article/10.1007/s41324-018-0207-x>
8. **Goyal L. M.**, Beg M. M. S. and Ahmad T., (2015), "A novel pruning approach for association rule mining", BIJIT- BVICAM's International Journal of Information Technology, vol. 7 (1), pp. 827-834. ISSN- 2511-2112. <http://bvicam.ac.in/bijit/downloads/pdf/issue13/08.pdf>

Guide and Reviewer-

1. Guiding four Ph.D. students as main supervisor.
2. Reviewer of ACM Transactions on KDD and the Journal Disaster Medicine and Public Health Preparedness published by Cambridge University Press, UK

Book/Book Chapter

1. Authored a book: Mittal M., Battineni G., Usharani B. and Goyal L. M., "Text Analysis with Python: A Research-Oriented Guide", Bentham Science Publishers Singapore, 2022, ISBN 978-981-5049-60-2
2. Obera U. M., Etukudoh N. S., Chhetri B. and **Goyal L. M.**, "Tertiary Students Stress Detection During Online Learning in Jos, Nigeria", In Predictive Analytics of Psychological Disorders in Healthcare. pp. 239-252, Springer, Singapore. https://doi.org/10.1007/978-981-19-1724-0_12.
3. Chhetri B., **Goyal L. M.**, Mittal M., "Predictive analysis of inclination towards substance consumption using Psychological assessment and Machine learning approach", International Conference on Data Analytics & Management (ICDM-2024), 14-15 June 2024, London Metropolitan University, London, UK.
4. Sachdeva T., **Goyal L. M.**, Mittal M., "Navigating Data Sparsity: Strategies for Effective Recommendation System", International Conference on Data Analytics & Management (ICDM-2024), 14-15 June 2024, London Metropolitan University, London, UK.
5. Sachdeva T., **Goyal L. M.**, Mittal M., "A Comprehensive Study on Online and Offline Evaluation of Recommendation System", International Conference on Paradigms of Communication, Computing and Data Analytics (PCCDA-2023), 22-23rd April, 2023, ADGITM, Delhi.
6. Chhetri B., **Goyal L. M.**, Mittal M., "Identifying Predictors for Substance Consumption Pattern using Machine Learning Techniques", Proc. International Conference on Intelligent Cyber-Physical Systems (ICPS 2021), Jaipur, pp. 110-115, Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-7136-4_9
7. Arora M., **Goyal L. M.**, Chintalapudi N. and Mittal M., "Factors affecting digital education during Covid-19: A statistical modeling approach", 2020 5th International Conference on Computing, Communication and Security (ICCCS-2020), IIT Patna, 14-16th Oct. 2020. ISBN-978-1-7281-9180-5. <https://doi.org/10.1109/ICCCS49678.2020.9277370>
8. **Goyal L. M.**, Beg M. M. S., "Evaluation of filtration and pruning approach for Apriori algorithm," International Conference on Computer and Communication Technology (ICCCT), MNNIT Allahabad, pp. 23-28, 26-28 Sept. 2014. ISBN- 978-1-4799-6758-2 <http://dx.doi.org/10.1109/iccct.2014.7001464>
9. **Goyal L. M.** and Beg M. M. S., "Improved filtration step for mining association rules," International Conference on Data Mining and Intelligent Computing (ICDMIC), IGDTUW Delhi, pp. 1-4, 5-6 Sept. 2014. ISBN-978-1-4799-4674-7 <http://ieeexplore.ieee.org/document/6954245/>

10. **Goyal L. M.** and Beg M. M. S., "An efficient filtration approach for mining association rules," International Conference on Computing for Sustainable Global Development (INDIACom), Bharati Vidyapeeth's Delhi, pp. 178-185, 5-7 March 2014. (Scopus Indexed) ISBN-978-93-80544-12-0 <http://dx.doi.org/10.1109/indiacom.2014.6828124>

Teaching Experience (22 Years in Computer Science and Engineering)

Currently working as Assistant Professor at J. C. Bose University of Science and Technology, YMCA, Faridabad. www.jcboseust.ac.in

Professional Services and Award

1. Keynote talk (online) at Central University of Punjab, Bathinda Punjab, on the topic "Evolution of Smart City" on 18th Jan. 2025.
2. Keynote talk (online) at IIT ISM, Dhanbad, on the topic "Documenting the Research" on 21st Nov. 2024.
3. Keynote talk (online) at Symbiosis Skills & Professional University, Pune, on the topic "Evolution of Smart Home and its Security Perspective" on 14th March 2024
4. Keynote talk at JCBUST, YMCA, Faridabad on the topic "Evolution of Smart Cities" on 2nd March 2023
5. Keynote talk at NIT, Kurukshetra on the topic "Adoption of IKS in Computer Science Books: Challenges and Importance" on 25th May 2022.
6. Keynote talk (online) at DTU East Delhi Campus on the topic "Machine Learning and Metrics for Data Analysis" on 20th May 2022
7. Keynote talk at Echelon Institute of Technology, Faridabad on the topic "AI in Smart Cities" and "Research Paper Writing" on 26th March 2022.
8. Keynote Speaker (Online) for MSIT, New Delhi on 8th March 2021 on the topic "Evolution of Smart Cities".
9. Keynote Speaker (Online) for Kalasalingam Academy of Research and Education (Deemed to be University), Krishnankoil, Tamil Nadu on 07th Jan. 2021 on the topic "Reinforcement Learning".
10. Keynote Speaker (Online) at AIET, Jaipur on 18th Dec. 2020 on the topic "Genetic Algorithm".
11. Keynote Speaker (Online) at BFCET, Bathinda, Punjab on 12th Dec. 2020 on the topic "AI in Smart Cities".
12. Keynote Speaker (Online) for MRIU, Faridabad on 25th August 2020 on the topic "Supervised and Unsupervised Learning methods".
13. Keynote Speaker (Online) on 10th July 2020 at BVCOE, New Delhi on the topic "Evolution of Smart Cities".
14. Keynote Speaker (Online) on 17th June 2020 at Aggarwal College, Ballabgarh on the topic "Google Classroom".
15. Keynote Speaker on 17th March 2020 at Holy Cross College, Trichy on the topic "Evolution of Smart Cities".
16. Keynote Speaker on 23rd Nov. 2019 at CDAC, Mohali (Punjab) on the topic "Distributed Association Rule mining".
17. Keynote Talk at Satyug Darshan Faridabad on 06th Sept. 2019 on the topic "Parallel Association Rule Mining".
18. Keynote Speaker on 01st May 2019 at GNIOT, Gr. Noida, U.P. on the topic "Privacy Preserving Association Rule Mining".
19. Keynote Speaker at ICIM'19 on 16th March 2019 at BFCET, Bathinda, Punjab on the topic "Association Rule Mining".
20. Keynote Speaker at ICETCE-2019 on 02nd Feb. 2019 at SKIT, Jaipur, Rajasthan on the topic "Data Mining".
21. Keynote Speaker at ICCIDA-2018 on 26th Oct. 2018 at GIFT, Bhubaneswar, Odisha on the topic "Probabilistic Association Rule Mining".
22. Won 3rd prize at Smart India Hackthon-2017 as a Mentor of the team on 02nd April 2017.
23. Convener at IndiaCom-2017 on 3rd March 2017 at BVICAM, New Delhi.

Administrative Responsibilities

1. Deputed as Deputy Superintendent for the Theory Examination for the even semester 2022-23 at J. C. Bose Univ. of Sc. & Tech., YMCA, Faridabad.
2. Deputed as Centre Superintendent for the Theory Examination for the even semester 2021-22 by J. C. Bose Univ. of Sc. & Tech., YMCA, Faridabad.
3. Deputed as Deputy Superintendent for the Odd Semester Theory Examination 2021-22 by J. C. Bose Univ. of Sc. & Tech., YMCA, Faridabad.
4. Organizing Member of one day webinar on 5G Technology: Bridge to Future” on 3rd July 2021 at J. C. Bose Univ. of Science and Technology, YMCA, Faridabad.
5. Organizing Member of online FDP on “Data Analysis using R” from 11th July 2020 to 15th July 2020 organized by J. C. Bose Univ. of Science and Technology, YMCA, Faridabad.
6. Participated in and Organized One day workshop of NPTEL on 31st Jan. 2020 organized by NPTEL, IIT Madras and J. C. Bose Univ. of Science and Technology, YMCA, Faridabad.
7. Organizing Member of 8th International Symposium on Fusion of Science and Technology from 06th Jan. 2020 to 10th Jan. 2020 organized by J. C. Bose Univ. of Science and Technology, YMCA, Faridabad.
8. Deputed as Deputy Superintendent for the Theory Examination May-19 & Dec-2018 by J. C. Bose Univ. of Sc. & Tech., YMCA, Faridabad.
9. Course Coordinator of subject “Theory of Computation” at GGSIPU, Delhi for the year 2016-17.

FDP/WORKSHOP Attended

1. Participated in FDP on “Data Science and ML” from 12th May 2025 to 16th May 2025 at JCBUST, YMCA, Faridabad sponsored by NITTTR, Chandigarh.
2. Completed an online ATAL FDP on “Parallel and Distributed Deep Learning” from 28th June 2021 to 02nd July 2021 organized by IIIT, Nagpur.
3. Participated and completed an online ATAL FDP on “Data Science” from 14th Dec. 2020 to 18th Dec. 2020 organized by Central University, Kerla.
4. Attended online FDP on “Data Analysis using R” from 11th July 2020 to 15th July 2020 organized by J. C. Bose Univ. of Science and Technology, YMCA, Faridabad.
5. One day FDP on “Python Programming” on 09th Jan. 2018 at Brain Mentors Pvt. Ltd., Delhi.
6. One week FDP on “Deep Learning for Image and Text analysis with Python” on 27th Nov.-01st Dec. 2017 at Bharati Vidyapeeth’s College of Engineering, New Delhi.

Subject Expertise- Computer Science

1. Discrete Mathematics
2. Theory of Computation
3. Computer Organization and Architecture
4. Data Structure
5. Design & Analysis of Algorithms

Hobbies:

1. I like to play chess online and offline. My online Chess Profile is available at <https://lichess.org/@/lalitgoyal78>
2. I have interest in Gardening as well; One of my Bonsai Won the 2nd Prize in Cactus and Bonsai category at Flower Festival-2026 Faridabad organized by the Government.
3. I am lifetime member of Indian Society of Cactus and Succulent (ISOCS) also.

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