FACULTY DETAILS PROFORMA

Title	Ms.	First Name	MONA	Last Name	ADLAKHA	Photograph
Designation		Assistant Professor				
Address: (Office)		Aryabhatta College University of Delhi (South Campus) Benito Juarez Road New Delhi-110021				
Phone No (Official)		011-24110490				
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Web-Page		N.A.				

Educational Qualifications:

Degree	Institution	Year
M.Phil.	D.D.E. Madurai Kamraj University	2009
P.G. (M.C.A.)	Dept. of Computer Science & Applications, Kurukshetra University	1998
U.G. (B.Sc. (H) Physics)	St. Stephens College University of Delhi	1995

Career Profile

- Industry Experience at Aithent Technologies Pvt Ltd. (June 1998 – July 2002)
- Teaching Experience (August 2002 till Date) at University of Delhi Colleges (Kalindi College, Ram Lal Anand College, Maitreyi College, Aryabhatta College)

Administrative Assignments

Member of following Committees at Aryabhatta College:

Convener/ Co-Convener, TechPioneers (Computer Science Society); Convener/ Member, Website Committee; Computer Laboratories In-charge; Co-Convener (in-charge for B.Sc. courses) India Today Ranking Committee; Convener, The Startup and Entrepreneurship Cell; NAAC Working Committee; Examination Result Review Committee; Infrastructure Committee; The Start-up Club; Purchase Committee; Gender Sensitisation Committee; Epicure (The Culinary Art Cell)

Areas of Interest / Specialization

Machine Learning, Python Programming, Database Management Systems, Software Engineering

Subjects Taught

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Machine Learning (Honors & Generic Elective); Python programming (Core for Honors, SEC for Honors & Generic Elective); Data Analysis & Visualization Using Python (Honors & Generic Elective); Web Design and Development (SEC); Operating Systems; Digital Electronics; Computer System Architecture; Software Engineering; Database Management Systems (Honors, Generic Elective & BA Program); Discrete Mathematics; System Software; Programming Paradigms (includes Prolog programming); Theory of Computations; Networks & Internet Technologies; Multimedia Application; Office Automation Tools; Search Engine Optimization; Internet Technologies; Strategic Human Resource Management

Generic Elective: Introduction to Programming (C++,)*;* Computational Skills; Programming fundamentals (C programming, Python, DBMS); Computer Fundamentals

Value Added Course (VAC): Digital Empowerment; Emotional Intelligence

Research Guidance

N.A.

Publications Profile

- Adlakha, M., Alam, M. A., Naaz, S., & Zafar, S. (2026). A Comparative Framework for Diabetes Mellitus Diagnosis Using Artificial Neural Network Models. Recent Advances in Electrical & Electronic Engineering (Formerly Recent Patents on Electrical & Electronic Engineering), 19.
- Adlakha, M., Alam, M. A., Naaz, S., & Zafar, S. (2026). Integrating Natural Therapeutics in Machine Learning Models for Diabetes Mellitus Optimization. Journal of Information and Optimization Sciences (JIOS), Tara Publications.
- Adlakha, M., Alam, M. A., Zafar, S., Naaz, S., & Yadav, A. (2026). DIABETES MELLITUS PREDICTION FRAMEWORK USING ARTIFICIAL NEURAL NETWORK MODELS. Proceedings on Engineering Sciences, 8(1), 429–438.
- Adlakha, M., Alam, M. A., Zafar, S., & Naaz, S. (2025). Prediction Optimization for Type 2 Diabetes Mellitus Using Artificial Neural Networks. In Communication and Intelligent Systems. ICCIS 2024. Lecture Notes in Networks and Systems, vol 1371 (pp. 19–32). Springer, Singapore.
- Adlakha, M., Naaz, S., Zafar, S., & Alam, M. A. (2023). Deep Learning Approach for Accurate Prediction of diabetes. Proceedings of the 5th International Conference on Information Management & Machine Intelligence, 1–6.
- Authored a chapter for the book *IT Tools Level -3 Student Handbook, Class XI* (First Edition*) Unit -5, Chapter 7: – Troubleshooting - Hardware, Software and Networking,* CBSE (2016) (ISBN: 978-81-929704-20-2)
- Authored a chapter for the book *Securing Transactions and Payment Systems for M-Commerce* (ISSN: 1935-2700; eISSN: 1935-2719); *Chapter 7: – Mobile Commerce Security and Its Prevention* (DOI: 10.4018/978-1-5225-0236-4.ch007), (pages 141-157), IGI Global (2016)
- *Authored e-Lessons* for Virtual Learning Environment, Institute of Life Long Learning (ILLL), Univ. of Delhi (2011) *Paper: Discrete Structures (Unit I, Lesson 2 – Relations and Functions)* ISBN 978-93-85611-38-4

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Conference Organization/ Presentations/ Resource Person
• Presented paper titled *"Prediction Optimization for Type 2 Diabetes Mellitus Using Artificial Neural Networks"* at 6th International Conference on Communication and Intelligent Systems (ICCIS 2024) organized by Maulana Azad National Institute of Technology (MANIT) Bhopal, Technically Sponsored by Soft Computing Research Society, held on November 08-09, 2024 • Presented paper titled *"Optimization Techniques for Prediction of Diabetes Mellitus"* in the "4th International Conference on ICT For Digital, Smart and Sustainable Development" held during April 23-24, 2024 at the Department of CSE, SEST, Jamia Hamdard, New Delhi, India • Presented paper titled *"Deep Learning Approach for Accurate Prediction of diabetes"* in the "5th International Conference on Information Management & Machine Intelligence (ICIMMI 2023)" held during December 14-16, 2023 at Poornima Institute of Engineering & Technology, Jaipur, Rajasthan. • Resource person & Organizing Team Member, for the Online In-house Faculty Empowerment Program on *"How to Use eTools for Online Teaching",* conducted on 5th February 2021 (organized by Training Team, Aryabhatta College, University of Delhi • Resource person in *One Week Faculty Training Programme on "Prospects and Challenges of GOOGLE Suite in Teaching and Learning"*, conducted from 21 – 28 August 2020, organized by Academic Affairs Committee, Swami Shraddhanand College, University of Delhi. • Resource person & Organizing Team Member, for the *One Week Online In-house Faculty Empowerment Program* on *"eTools for Online Teaching",* conducted from 6 -13 July, 2020 (organized by Training Team, Aryabhatta College) • Delivered lectures on Gurukul Live at the Consortium for Educational Communication (CEC) (An Inter University Centre of University Grants Commission on Electronic Media) Lecture: *Introduction to Operating Systems and processes* (29 August 2019); *Operating System Processes* (27 September 2019)
Research Projects (Major Grants/Research Collaboration)
N.A.
Awards and Distinctions
Received award for *"Supportiveness, dependability, initiativeness to learn new technologies without external facilitation"* at Aithent Technologies Pvt Ltd. in September 1999.
Association with Professional Bodies
N.A.
Other Activities
Preview of recorded Lectures at Consortium for Educational Communication (CEC) (An Inter University Centre of University Grants Commission on Electronic Media)