FACULTY DETAILS PROFORMA

Title	Dr.	First Name	Upasana	Last Name	Singh	Photograph
Designation		Assistant Professor				
Address: (Office)		Aryabhatta College				
*Address: (Residence)		N/A				
Phone No	Official	N/A				
	*Residence					
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E-mail		upasana@aryabhattacollege.ac.in				
Web-Page		https://aryabhattacollege.ac.in/				

Educational Qualifications:

Degree	Institution	Year
Ph.D.	Jawaharlal Nehru University	2025
M.Phil.	N/A	N/A
P.G.	Gautam Buddha University	2019
U.G.	Gautam Buddha University	2017
* (Any Other)		

Career Profile

Assistant Professor, Aryabhatta College, University of Delhi, 25- July-2023 to till date

Administrative Assignments

1) Member, NAAC Committee, (2023-2024, 2024-2025)
2) Member, India Today Ranking Committee, (2024-2025, 2025-2026)
3)Member, NIRF Committee, 2024
4) Liaison Officer for EWS, (2024-2025, 2025-2026)
5) Member, Mentorship & Support system Committee for SC/ST/OBC Categories Students
6)Member, Gender Sensitization Committee , (2023-2024, 2024-2025)
7)Member, Sports Committee , (2023-2024, 2024-2025,2025-2026)
8)Member, Placement Committee , (2023-2024)
9)Member, Debating Society, (2023-2024, 2024-2025)
10)Member, Sports Admission Committee , (2024-2025,2025-2026)
11)Member, Library Committee , (2025-2026)
12)Member, Document Verification Committee , (2025-2026)
13)Member, Hons.Courses Admission Coordination Committee (2026-27)
14)Member, Ward Quota Admission Committee,(2026-2027)
15)Member, Workload Committee,(2026-2027)
16)Member, Purchase Committee,(2026-2027)
17)Member, Environment and Aesthetics Society (2026-2027)
18)Convener,Dance Society, (2026-2027)
19)Co-convener,Tech-Pioneer Society(Computer Science society), (2025-2026)

Areas of Interest / Specialization

Cryptography, Steganography, Information Security,Cyber Security.

Subjects Taught

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Mathematics for Computing,Operating System,Internet Technologies,Computer Networks,Data Analysis and Visualisation Using Python,Information Security,Back End Web Design & Development, Document Preparation & Presentation Software,IT Skills I

Research Guidance

Undergraduate Students

Publications Profile

- **Upasana Singh** and V. B. Singh, "A reversible data hiding scheme for sharing medical data," *Biomedical Signal Processing and Control* 85 (2023): 105021. **[SCIE, IF: 4.9]**
- **Upasana Singh** and V. B. Singh, "An efficient scheme for sharing secret information," *International Journal of System Assurance Engineering and Management* (2024): 1-10. **[ESCI, IF:1.6]**
- **Upasana Singh** and V. B. Singh, "Dual-Image-Based Pixel Pairing Reversible Data Hiding Technique," In *International Conference on Innovative Computing and Communication, Lecture Notes in Networks and Systems (LNNS)*, vol. 1038, Springer Nature Singapore, 2024.
- **U. Singh** et al., "MS-CTQM: A Multi-Stage Chen Chaos and Tribonacci Q-Matrix Based Colour Image Encryption Scheme." *Journal of the Franklin Institute* (2026): 109009.**(SCI, Impact Factor : 3.7)**

Conference Organization/ Presentations

- **Upasana Singh** and V. B. Singh, "An efficient scheme for sharing secret information," *3rd International Conference on Recent Trends in Engineering, Technology and Business Management (ICRTETBM 2024)*, February 21-23, 2024.
- **Member of Organising Committee,** *3rd International Conference on Adavanced Communication and Intelligent Systems (ICACIS-2024)*

Research Projects (Major Grants/Research Collaboration)

N/A

Awards and Distinctions

UGC NET JRF qualified

Association with Professional Bodies

N/A

Other Activities

N/A