



Shweta Dipak

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Profile

Ms. Shweta Dipak is currently working as an Assistant Professor of Forensic Science at The ICFAI University, Jaipur, where she brings together a strong academic foundation, hands-on laboratory exposure, and a genuine curiosity for the scientific study of crime and evidence. Known for her discipline, attention to detail, and consistency, she approaches both her research and her teaching with the same analytical rigour that defines the discipline of forensic science. Her transition from a dedicated postgraduate student to an academician reflects a natural progression built on strong subject knowledge, practical training, and a clear commitment to shaping the next generation of forensic professionals.

Her academic journey in forensic science was shaped at Guru Ghasidas Vishwavidyalaya, Bilaspur, a Central University recognised for its research-oriented approach to science education. She completed her Bachelor of Science (Honours) in Forensic Science in 2023, followed by her Master's of Science in Forensic Science in 2025.

A defining highlight of her academic training is her Master's dissertation, titled "Personal Identification and Sex Determination through Ear Morphometry in Tribal Population of Bilaspur District," carried out between March and April 2025. For this research, she conducted detailed morphometric and anthropometric analysis of ear structures across 800 individuals drawn from both tribal communities, including the Baiga and Oraon groups, and non-tribal populations in Chhattisgarh, using digital vernier callipers to record precise measurements. Her findings revealed statistically significant differences based on both sex and population group, underscoring the forensic relevance of ear morphometry as a reliable tool for personal identification. This work reflects not only her methodological precision and patience in handling large-scale field data, but also her ability to draw meaningful, application-oriented conclusions from anthropometric research, a skill of direct relevance to real-world forensic identification practices.

Complementing her research training, she completed a practical internship at the Regional Forensic Science Laboratory (RFSL), Sakri, Bilaspur, Chhattisgarh, in the

Biology and Serology Division from May to June 2024. During this internship, she observed the forensic analysis of biological evidence and gained a working understanding of serological testing protocols and preliminary screening techniques used in casework. This exposure to real-time forensic investigation and case documentation gave her valuable first-hand insight into how laboratory science translates into admissible forensic evidence, strengthening the practical dimension of her otherwise research-intensive academic background.

Her commitment to the field extends beyond the classroom and laboratory into active engagement with the wider forensic science community. In October 2023, she was awarded first position for Best Poster Presentation at a National Seminar on "ATD ANGLE - A Diagnostic Tool For Preliminary Identification Of Various Genetic Disorders," a recognition of her ability to communicate complex scientific findings clearly and persuasively. Her academic credentials are further reinforced by her success in the UGC National Eligibility Test (NET) in Forensic Science, which she qualified in December 2025, a distinction that speaks to the consistency and depth of her subject expertise and her readiness for a career in teaching and research.

In her current role at The ICFAI University, Jaipur, she focuses on delivering structured and conceptual learning to her students, aiming to prepare them effectively for the evolving demands of forensic investigation. She recognises that forensic science is a rapidly advancing, interdisciplinary field, and she approaches her teaching with an awareness of the need to keep students grounded in strong fundamentals while remaining attentive to emerging techniques and technologies. Her lessons are designed to build a logical and sequential understanding of forensic concepts, ensuring that students genuinely internalise the scientific reasoning that underlies forensic practice rather than relying on rote memorisation.

Central to her teaching methodology is a strong emphasis on engagement and active learning. She incorporates classroom discussions, practical case studies, and hands-on problem-solving exercises into her instruction, drawing on her own research and internship experience to make complex forensic concepts easier to grasp and apply. By encouraging students to discuss and reason through forensic scenarios, she helps them appreciate the multidisciplinary nature of investigation, where biology, chemistry, statistics, and law frequently intersect, while her use of real case studies bridges the gap between textbook theory and the realities of forensic casework. This method cultivates the analytical confidence and procedural discipline that students will need as they move into professional practice.

With a solid foundational background in forensic science, reinforced by original research experience, laboratory internship exposure, and consistent academic distinction, she brings both credibility and enthusiasm to her role in academia. She is committed to contributing meaningfully to the academic environment at The ICFAI University, Jaipur, and to supporting her students in their professional growth, drawing on her own journey from a curious, detail-oriented forensic science student to a dedicated and well-rounded educator.