

Shri Shivaji Education Society, Amravati's
**Mahatma Fule Arts, Commerce and Sitaramji Chaudhari
Science Mahavidyalaya, Warud. Dist-Amravati.444906**

Department of Chemistry

Report on

Expert Talk with Discussion: From Chemistry Laboratory to Forensic Laboratory.

Shri Shivaji Education Society Amravati's, Mahatma Fule Arts, Commerce & Sitaramji Chaudhari Science Mahavidyalaya, Warud, Department of Chemistry organised Expert Talk with Discussion on the topic "From Chemistry Laboratory to Forensic Laboratory" in the Research Lab of Chemistry Department. prominent alumnus Dr. Vijay J. Thakare, Director, Directorate of Forensic Science Laboratories, Home Department, Government of Maharashtra. is the student of our college from 1993-1996 batch and studied bachelor of science program. As a prominent alumnus, he has always been a guiding torch and source of inspiration for our students.

An expert lecture titled "From Chemistry Laboratory to Forensic Laboratory" was delivered by Dr. Vijay J. Thakare to M.Sc. Chemistry students. Dr. Vijayn Thakare explained that forensic investigations are grounded in chemical principles and sophisticated analytical techniques used to evaluate evidence gathered from crime scenes. He outlined the role of institutions such as the Central Forensic Science Laboratory, where forensic chemists examine narcotics, toxic substances, explosives, petroleum products, and various trace materials.

He highlighted that M.Sc. Chemistry graduates possess strong training in analytical methods like chromatography, spectroscopy, GC-MS, and LC-MS, which are vital for the precise identification of unknown compounds. The discussion underscored the shift from routine academic experiments to real-world forensic applications, where precision, result validation, and logical scientific interpretation are essential. Furthermore, Dr. Vijay Thakare stressed the significance of professional ethics, accurate record-keeping, and strict maintenance of the chain of custody, since forensic reports serve as admissible evidence in

courts of law. He also informed students about employment prospects in State and Central Forensic Science Laboratories through competitive recruitment procedures.

The session concluded with an engaging interaction, motivating students to enhance their analytical proficiency and practical experience to build a successful and fulfilling career in forensic science. About 29 participants, including postgraduate Chemistry students and faculty members, attended the lecture and benefited from the program. All the queries raised by the students were thoroughly and clearly addressed by the expert. The lecture concluded with a vote of thanks delivered by the Convenor and Head of Chemistry Department, Dr. R. P. Ganorkar.



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