गृह मंत्रालय
MINISTRY OF
HOME AFFAIRS

Course on
"Advancing Justice through DNA Technology"
(10-13 March, 2025)

National Forensic Sciences University

Knowledge | Wisdom | Fulfilment

An Institution of National Importance
(Ministry of Home Affairs, Government of India)

Level of Participants	Judges/Magistrate, Dy. SP/ACP and above, Prosecution, Defence Personnel and SSO and above from CFSL/FSL
Duration	04 days

ABOUT THE COURSE

Forensic DNA analysis undoubtedly plays an inimitable role in Criminal Investigation, and is increasingly becoming vital to ensure the accuracy and fairness in the Criminal Justice System. Now a days, it is universally accepted in the legal system around the world. Keeping in view the significance and infallibility of DNA evidence in the investigation and administration of Justice in criminal cases, parentage determination, individual identification and wildlife crimes, the forensic DNA testing has become highly sought after technique by Police, Judiciary, and the Public. DNA can be used to solve crimes in several ways. DNA profile generated from exhibits recovered from crime scene can be matched with DNA profile of suspects to either exclude the innocent or fix culpability of offender. Suspects can be traced by matching the DNA profiles of the crime exhibits with the profiles in the offender's DNA database. DNA testing is also used in resolving various civil disputes including parentage, immigration, and fraudulent sale of plant and animal products.

During the last decades, many new and exciting innovations and technological advancements have taken place. The course has been designed to discuss various tools and techniques like STRs, mtDNA, Y-STRs, X-STR, SNPs, interpretation of results and court testimony.

Course Objectives

1 To apprise participants about the application of Forensic DNA testing in Criminal cases.

2 To update the participants about the latest advances in Forensic DNA Testing.