



# Hands-on Workshop in Human Forensic DNA Fingerprinting



December 7 - 9, 2022



National Forensic Science University, Gandhinagar.

[Register here](#)

## About the workshop:

Join us for a Hand-On workshop about how forensic DNA evidence is used to find answers, identify suspects, and help make the world a safer place. NFSU in collaboration with Thermo Fisher Scientific will introduce you to the latest in forensic DNA tools, methods, and next generation solutions designed to improve efficiency and performance across the human identification workflow. The workshop is designed to help the DNA Analyst understand various aspects of the state-of-the art technologies in DNA profiling and help increase their rate of first pass success.

## Key objectives:

- To equip course participants with technical expertise in field of human identification from sample preparation to analyzing STR profiles.
- To help course participants understand the needs of modern DNA typing lab, HID workflow, advantages of high throughput and databasing, automation and improving workflow efficiencies.
- To facilitate networking amongst national laboratories in workgroup setting.

## What will be covered:

The workshop will cover all major aspects of Human DNA Fingerprinting starting from DNA extraction to STR Data Analysis. This course will cover the entire DNA profiling workflow i.e., DNA Extraction, DNA Quantitation, STR PCR Amplification, Capillary Electrophoresis and STR Data Analysis. The course will help participants understand the need of modern DNA typing labs, streamlining workflow to help improving efficiency, automation and would discuss advantages of DNA database and new technologies. The course will be helpful, whether you are testing / validating new technologies and protocols or want to learn basic troubleshooting for specific applications.

## Intended participants:

The workshop would be useful to DNA Analyst / Examiners involved in Forensic DNA Profiling.

## Agenda:

Time	Topic		
	Day 1	Day 2	Day 3
09:30 - 09:45	Registration	Recap of Day 1 STR Profile Generation - Basics & Hands On	Rapid DNA Technology - Helping Solve Crime Faster
09:45 - 10:00	Welcome		
10:00 - 10:30	Introduction		
10:30 - 11:00	Tea Break		
11:00 - 12:00	Sample Collection, Storage & Characterization	STR Profile Generation - Basics & Hands On	Rapid DNA Technology - Helping Solve Crime Faster
12:00 - 13:00	DNA Extraction Methods - Basics & Hands On	Capillary Electrophoresis: Principles & Instrumentation & Hands On	
13:00 - 14:00	Lunch Break		
14:00 - 15:30	DNA Extraction Methods - Basics & Hands On	Data Analysis - Best Practices	Importance of Quality Assurance & Validation
15:30 - 16:00	Tea Break		
16:00 - 18:00	DNA Quantitation - Basics & Hands On & Results review	Data Analysis - Best Practices	Q&A & Exam Assessment & Feedback Felicitation & Thank you

Accommodation and meals (includes breakfast, lunch and dinner) are chargeable on per day basis (Rs. 4000/- per day).

Scan & Pay

