



DNA FORENSICS

Duration: 45 days

Code: HDFN-45

Instrumentation for DNA Forensics

Isolation of DNA from blood sample

Crime Scene basics and Types of evidences in various scenes

Microscopic examination of Blood and hair

Evidence collection kits, procedures & preservation

Isolation of DNA from cheek cells

Crime Scene investigation procedures

Isolation of DNA from hair root

Purification of DNA

Agarose gel Electrophoresis

DNA Fingerprinting as a tool in Forensic investigation

Restriction enzymes in the field of DNA Fingerprinting

Restriction digestion of DNA

Separation of Fragments by AGE

Procedure for Primer designing and applications

Application of PCR technology in Forensic DNA profiling

Amplification of variable regions using PCR

Agarose gel Electrophoresis for amplified products

Disputed Paternity establishment basics-The STR Analysis

Making and understanding postmortem reports

Project (Optional)