

# DNA FORENSICS

(Course Duration:30-45 days)

## Coursework

Isolation of DNA from various samples

Crime scene collection and Application of DNA Technology

Application and importance of DNA Forensics in police department

Procedure for DNA sampling in different cases (Accidents, Murder, Rapes etc)

Purification of the extracted DNA

Restriction digestion of DNA

Procedure for Primer design for amplification

Application of primers for the amplification

PCR amplification and Application of RAPD technique

Separation of Fragments by AGE

Application of Southern blotting in DNA Forensics

Undertaking a forensic case

Using DNA Collection kits

Disputed Paternity establishment basics

Making and understanding postmortem reports

DNA profiling basics

Research Project