

## **FORENSIC TRAINING MODULE**

### **Module Duration – 1 Month**

#### **Forensics Biology**

- **Detection and Identification of Bacterial and Fungal spores in letters, parcels, water samples etc. for detection of chances of Bioterrorism.**
- **Selective media preparation, Staining of bacteria and Fungal pathogens)**

#### **Forensic Serology**

- **Collection of Blood from different samples.**
- **Blood group detection**
- **Stain analysis & Detection of Body fluids like Blood, saliva etc.**
- **Forensic analysis of urine (Sugar, protein and nicotine) ( Use of Colorimeter and spectrophotometer)**

#### **DNA Forensics**

- **DNA Isolation from blood**
- **Agarose Gel Electrophoresis**
- **DNA fingerprinting**

#### **Toxicology and Forensic Chemistry**

- **Detection of chemicals & Toxins by –**
  - a) **Paper Chromatography**
  - b) **Thin layer chromatography**

### c) Gas chromatography

#### **Crime scene investigation (analysis of evidence)**

- **Forensic analysis of Diatoms**
- **Fingerprint collection and analysis**
- **Fiber and Hair Collection & analysis.**