**Course: Advance Bio Informatics**

**Module Title: Forensic science and Limitation of Thumb finger printing**

**Module No: 107**

**Forensic science**

* Study & application of science to matters of law.
* Associations between people, places, things & events involved in crimes.
* Crime investigation & Criminal Identification.

**Methods**

* Thumb printing.
* Face Recognition.
* Iris Recognition.
* Finger Printing.

**Limitations of physical analysis**

* Ever one has unique iris pattern, Finger prints, Thumb prints.
* We can get the fingerprints and thumb prints from the crime scene.
* Fingerprints can be changed by cutting or burning of finger/thumb.

**Limitations of Thumb**

Using fingerprints require that you get a print from the finger or the thumb, no other parts of body can be used and criminal can use gloves and no prints are there for investigation.

**Limitations of FR**

Face Recognition can only be used when the photographs of the crime scene have been taken or suspicious person has been arrested and victim tells the physical appearance of criminal.

**Genotype Method**

* DNA Fingerprinting.