**Course: Advanced Bioinformatics**

**Module title: Biological Data Protection**

**Module no. : 144**

**Biological Data Protection**

**EHealth:** healthcare practice supported by electronic processes and communications.

Wide range of services & systems e.g. EHR, telemedicine

**Telemedicine:**

Provision of healthcare services through the use of Information and communications technologies (ICT), in situation where patient and health professional are not in same location.

**Data Acquisition**

* Medical records.
* Criminal records.
* Biological data (e.g. genetic material).

**Sharing & Protection**

* Sharing of data combined with suitable protection for personal data.
* Legislations to ensure protection of personal data.
* Help reassure a patient that their information is being taken care of.

**History of Data** **Protection Laws:**

* Increased interest in 60’s and 70’s.
* First data protection law was introduced in 1970.

**Country to country:**

* France – French Data Protection Act (2004).
* Italy – Supervisory Authority for Personal Data Protection.
* Canada – Personal Information Protection and Electronics Documents Act (2000).