**Course: Advanced Bioinformatics**

**Module title: Bioethics Introduction and Purposes**

**Module no. : 219**

**Bioethics Introduction**

**Ethics:**

The rules of conduct recognized in respect to a particular class of human actions or a particular group, culture

**Bioethics**

A field of study dealing with ethical and philosophical implications of biological and medical procedures, technologies, and treatments, such as organ transplants, genetic engineering etc.

**What it does?**

* To advance human benefits and avoid harm, biotechnology must be used within ethical constraints
* It is the task of bioethics to help society develop those constraints and bioethics, therefore, must be of concern to all of us

**Challenges in Electronic Data & Human Subjects** **Research**

Institutional review board (IRB) or medical record committee: a panel responsible for reviewing an institutions research projects involving human subjects in order to protect their safety, rights and welfare