**Course: Advanced Bioinformatics**

**Module title: Characteristics of Biological Data**

**Module no. : 17**

Unstructured /Semi-structured contents.

Diversity of un-common data types.

Exponential Increase in Biological Data.

Syntax and semantically unrelated Data.

Dynamic /evolutionary nature.

Polymorphic behavior.

**Unified Data Model**

* Immigration towards structured data
* Integration of databanks/repositories
* Model the Complex Structures of Biological Data

Need a system capable of unifying and analyzing different types of biological data at common platform.

**Parameters Required**

* DM Type.
* Modeling Method.
* Schema Level.
* Metadata representation.
* Application Areas.
* Query language.
* Redundancy.
* Set of operations.
* Data types.