Sr. No	Videos	Description	Duration	Catagory	Main Category
	Segment 2: Understanding Bioinformatics				
1	FASTA (Sequence Format)	• Understading of FASTA format, its syntax and extenions of FASTA. • Analyzing a particular sequence in FASTA format.	6:13	Sequence File Format	Bioinformatics File Formats
2	GenBank (Sequence Annotation Format)	• Description of Genbank format and its syntax. • Organizes and stores the sequence and its annotation together.	7:08	Sequence File Format	Bioinformatics File Formats
3	BAM	• Introduction to Binary Alignment Map (BAM). • Description of format and extension of BAM and its practical uses.	9:06	Sequence File Format	Bioinformatics File Formats
4	SAM	• Introduction to Sequence Alignment Map (SAM). • Description of format and extension of SAM, its constitues and practical uses.	9:06	Sequence File Format	Bioinformatics File Formats
5	Gene File Format/Gene Transfer Format	• Introduction to Gene Feature Format/Gene Transfer Format. • Analyzing features of biological data through GFF/GTF.	11:06	Sequence File Format	Bioinformatics File Formats
6	BED (Gene Structure Format)	• Introduction to BED file and its syntax. • Annotation of biological data through BED file.	4:26	Sequence File Format	Bioinformatics File Formats
7	PHYLIP (Alignment Format)	• Introduction to PHYLIP alignment format and its syntax. • Describes the rules for representing sequences and uses of PHYLIP format.	4:34	Sequence File Format	Bioinformatics File Formats
8	MEGA (Alignment Format)	• Introduction to MEGA file format, a multiple sequence alignment format and its syntax. • Rules for representing sequences within MEGA format and its uses. • Exporting an alignment file from the MEGA tool in the MEGA format.	5:32	Sequence Alignment File Format	Bioinformatics File Formats
9	CLUSTAL (Alignment Format)	• Introduction to Clustal Omega alignment format and its syntax. • Describes the rules for representing sequences and uses of Clustal alignment format.	5:07	Sequence Alignment File Format	Bioinformatics File Formats
10	STOCKHOLM (Alignment Format)	• Introduction to STOCKHOLM alignment format and its syntax. • Describes the rules for representing sequences and uses of STOCKHOLM alignment format.	3:10	Sequence Alignment File Format	Bioinformatics File Formats

11	SANGER/SOLEXA FASTQ (Sequence Quality Format)	• Introduction to Sanger/Solexa FASTQ format, its quality scores, variants and file extension. • Describes how it stores both the biological sequence and its corresponding quality scores.	18:01	Sequence Alignment File Format	Bioinformatics File Formats