Sr. No	Lecture Title	Description	Category
	Segment 6: Molecular Dynamics & Simulation		
1	Molecular Dynamics of Protein Using GROMACS	• Introduction to GROMACS and its installation. • Preparation of the protein for simulation. • Energy minimzation • Complete simulation of the protein.	Protein Simulation
2	Molecular Dynamics of Protein-Ligand Complex Using GROMACS	• Preparation of the protein and ligand for simulation. • Energy minimzation. • Complete simulation of the complex.	Protein-Ligand Complex Simulation
3	Molecular Dynamics of Protein-Protein Complex Using GROMACS	• Preparation of the protein-protein-complex for simulation. • Energy minimzation. • Complete simulation of the complex.	Protein-Protein Complex Simulation
4	Molecular Dynamics of DNA-Ligand Complex Using GROMACS	• Preparation of the DNA and ligand for simulation. • Energy minimzation. • Complete simulation of the complex.	DNA-Ligand Complex Simulation
5	Molecular Dynamics of RNA-Ligand Complex Using GROMACS	• Preparation of the RNA and ligand for simulation. • Energy minimzation. • Complete simulation of the complex.	RNA-Ligand Complex Simulation