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## **ONLINE PROJECTS AND DISSERTATION TOPICS**

### **List OF BROAD SUBJECTS in Bioinformatics for project based Internship.**

- 1. Protein homology modeling.**
- 2. Sequence analysis for human disease targets.**
- 3. Structure analysis for human disease targets.**
- 4. Phylogenetic analysis for human disease targets.**
- 5. Study and In- silico analysis of variable region of human immunoglobulin.**
- 6. Compositional and structural analysis of human Immunoglobulin related to tumors or viral diseases**
- 7. Classification and phylogenetic analysis of protein sequences & Domain based protein families**
- 8. Molecular docking studies and repurposing drug identification of various protein targets and drugs ( For different diseases and cancer)**
- 9. Molecular modelling studies of various drugs**
- 10. Analysis of target molecule for disease & identifying drug candidate by using in silico tools.**

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**List of Topics for IPR (Intellectual property Rights) Related Projects**

- 1. Biotechnology patenting, difference between USA and Indian Perspective.**
- 2. The role of IPR in protection of Biodiversity in Indian context.**
- 3. Pharmaceutical patenting in India-problem of public access to health.**
- 4. The effectiveness of the remedies for copyright infringement, a global concern.**
- 5. Traditional knowledge and patent issues: with reference to Basmati, Neem, Turmeric, and Golden rice.**
- 6. Biotechnology patenting and bio-diversity protection: resolving conflict.**



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CIN: U24232DL2007PTC163267  
GSTIN: 09AADCC0955A1Z3

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