



2019-2020

Name of the Society: Srishti Chetna (Zoological Society)

Name of the Event 3: Python for biology workshop

Date of the Event: 15/7/19

One-day student workshop titled "python for Biology" (as discussed in last department meeting) is scheduled to be on 7 the September 2019 (Saturday , from 10 to 4) in old seminar room. The resource person would be Dr. Vikas Sood (Jamia Hamdard University).

The given below objectives were shared with students:

- Basic DNA Analysis using Python
- Generating DNA sequences using random module
- Joining DNA fragments
- Reverse Complement of DNA
- GC content
- Finding restriction site of enzymes with in DNA sequence
- Matching DNA strings
- Data visualization using Python Bar graph, Heatmaps, 3D plots

