

Course Name: Genetics and Genomics

Date: 23.05.2019- 31.05.2019

OR

12.06.2019-21.06.2019

No. of Credits: 2

Fees: Rs. 2500/-

Learning objectives:

Understanding the concept of gene and DNA, Chromosomes

Understanding the Mendelian Inheritance, Linkage, Crossing over

Insight into First, Second, Third and Fourth Generation Sequencing Technologies

Key knowledge activities:

Gene, Alleles, Genetic material and Genome

DNA Sequencing and Molecular Phylogeny

Practical activities:

DNA and RNA isolation, Quality check of DNA and RNA, PCR, Gel electrophoresis, Bioinformatics tools and softwares.

Assessment guidelines:

Attendance

Assignments

Seminar presentation