

ISG workshop 2021 - Read-only

**GOVERNMENT DEGREE COLLEGE FOR WOMEN, BEGUMPET****Dept. of Biotechnology and Zoology****Training Program on "Diagnosis & Management of Genetic diseases"****Dt: 27-10-2021**

The department of Biotechnology and Zoology organized a training program in collaboration with Institute of Genetics, Hyderabad on "Diagnosis and management of Genetic Diseases" on dt.27-10-2021.

Objective of the Program:

The final year student's of Biotechnology have undergone training on various molecular biology techniques for understanding diseases. The main aim of this program was making them understand how cells work in healthy and diseased states, cell biologists working in animal, plant and medical science will be able to develop new vaccines, more effective medicines, plants with improved qualities and through increased knowledge a better understanding of how all living things live. Eventually it will be possible to produce a 'health forecast' by analyzing your database of genetic and cell information. Using this you will be able to take more control over your health in a preventive way.

The final year students of BtZC (36) attended workshop on Molecular and Clinical Genetics, the workshop included various techniques

Day 1. Lymphocyte culturing – chromosomal Analysis, karyotyping

Day 2. Evaluation of the DNA Damage using comet Assay

Day 3 Clinical Genetics

Day 4. Biochemical tests to determine genetic disorders,

Day 5. Pedigree analysis,

Day 6. Observing down syndrome patient in presence of doctor

ORIENTATION PROGRAMME: