



# St. Francis

## College for Women

Begumpet, Hyderabad-500016

(Autonomous & Affiliated to Osmania University)  
NAAC Re-accredited with 'A' Grade 4<sup>th</sup> Cycle



जैवप्रौद्योगिकी विभाग

DEPARTMENT OF  
**BIOTECHNOLOGY**

## DEPARTMENT OF BIOTECHNOLOGY

### Report on Joint Workshop on Basics of Genetics and Genotyping at AIG Hospitals

**Date:** 24<sup>th</sup>, Febraruay,2024

**Time:** 09:30am to 4:00 pm

**Brochure:**



The department of Biotechnology organized a one-day Joint workshop titled “Basics of Genetics and Genotyping” for B.Sc. II and III-year Biotechnology students at AIG hospitals, Gachibowli on 24th February 2024 under DBT STAR COLLEGE scheme. There were 28 students accompanied by 3 faculty



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## Objectives:

To help the students

- Familiarize with genotyping, significance of SNPs, CNVs, and their pivotal roles in the progression of various genetic diseases.
- To learn techniques like RFLP, SSCP, qRT-PCR, DNA Microarray technology, and advanced DNA sequencing methods, including Sangers' sequencing and Next Generation Sequencing

## Outcomes

The students will

- Gain profound understanding of genotyping, sequencing methods and result analysis of Microarray chip technology
- Acquire expertise which will help them get placed in hospitals, diagnostic labs and health care sectors

## Pictures





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