



**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>, February, 2024

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

**Brochure:**

The brochure is a colorful flyer for a joint workshop. It features the logos of St. Francis College for Women, DBT STAR COLLEGE, the Department of Biotechnology, and the Sustainable Development Goals. The text is arranged in a clear, hierarchical manner, starting with the organizing institution, followed by the workshop title, location, and target audience. The date, time, and venue are listed at the bottom.

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**DBT STAR COLLEGE**  
(Under Strengthening Component)

**Department of Biotechnology**  
organizes a  
**Joint Workshop on**  
**Basics of Genetics and Genotyping**  
**at**  
**Asian Institute of Gastroenterology (AIG) Hospitals**  
MindSPACE Rd, P. Janardhan Reddy Nagar, Gachibowli, Hyderabad, Telangana 500032  
**for B.Sc. Biotechnology second & final year students**

**Date : 24-02-2024 | Time : 09.00 A.M to 3.30 P.M | Venue : Gachibowli, Hyderabad**

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



## 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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