



**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**

**ST.FRANCIS COLLEGE FOR WOMEN, HYDERABAD**  
**ACADEMIC YEAR 2024-2025**  
**DEPARTMENT OF MICROBIOLOGY**

**REPORT ON “HANDS ON TRAINING IN MICROSCOPIC TECHNIQUES”**

**DATE:** 05.01.2024

**TIME:** 11:20-12:20

**BROCHURE:**

The brochure is a colorful flyer with a blue and yellow background. It features the St. Francis College for Women logo on the top left and the Department of Biotechnology logo on the top right. The text reads: 'DBT STAR COLLEGE (Under the Strengthening component) Department of Microbiology organizes a "Hands on Training in Microscopic Techniques" Resource Speakers Dr. P. Roselin HoD, Microbiology Dr. Arsheen Asst. Professor Dept. of Microbiology For B.Sc. IC Students'. It also includes two circular photos of the resource speakers. At the bottom, it states: 'Date : 05 -01 - 2024 | Time : 11:20 am to 12:20 pm| Venue : Microbiology Lab'.

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**DBT STAR COLLEGE**  
( Under the Strengthening component)

**Department of Microbiology**  
organizes a

**“Hands on Training in  
Microscopic Techniques**

**Resource Speakers**

**Dr. P. Roselin**  
HoD, Microbiology

**Dr. Arsheen**  
Asst. Professor  
Dept. of Microbiology

**For B.Sc. IC Students**

Date : 05 -01 - 2024 | Time : 11:20 am to 12:20 pm| Venue : Microbiology Lab

The Department of Microbiology organized a “HANDS ON TRAINING IN MICROSCOPIC TECHNIQUES” under DBT STAR COLLEGE (strengthening component) for the students of BSc.1C (BTMBC & BCMBC). Around 71 students and 2 faculty members participated. The resource persons for the event were Dr. P. Roselin (Head, Department of Microbiology, Dr. Arsheen Tabassum (Asst. Professor, Department of Microbiology) St. Francis College for Women, Hyderabad.

**OBJECTIVES:**

- The objective of the hands-on training in microscopic instruments is to equip students with practical skills and in-depth knowledge required for effective utilization of various microscopic tools in the study of microorganisms.
- The training aims to enhance participant's proficiency in handling and operating different types of microscopes, thereby fostering a comprehensive understanding of microbiological techniques and specimen analysis.

**OUTCOMES:**

- Instrument Proficiency: students have gained hands-on experience in the operation of various microscopic instruments, including Compound microscope, Phase contrast microscope and Bright field microscope. They could develop a good level of proficiency in adjusting settings, focusing techniques, and image capturing.
- Specimen Preparation: students have learned the proper techniques for specimen preparation, staining, and mounting for microscopic analysis. This includes mastering skills in fixing, staining, and handling microscope.
- Microscopic Analysis: Through practical sessions, students have acquired the ability to identify and analyze different types of microorganisms such as Bacteria and Fungi. This includes understanding the morphology, structure and identification of microorganisms.

**PICTURES:**

