



St. Francis

College for Women

Begumpet, Hyderabad-500016

(Autonomous & Affiliated to Osmania University)
NAAC Re-accredited with 'A' Grade 4th 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:

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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:

