



# 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**

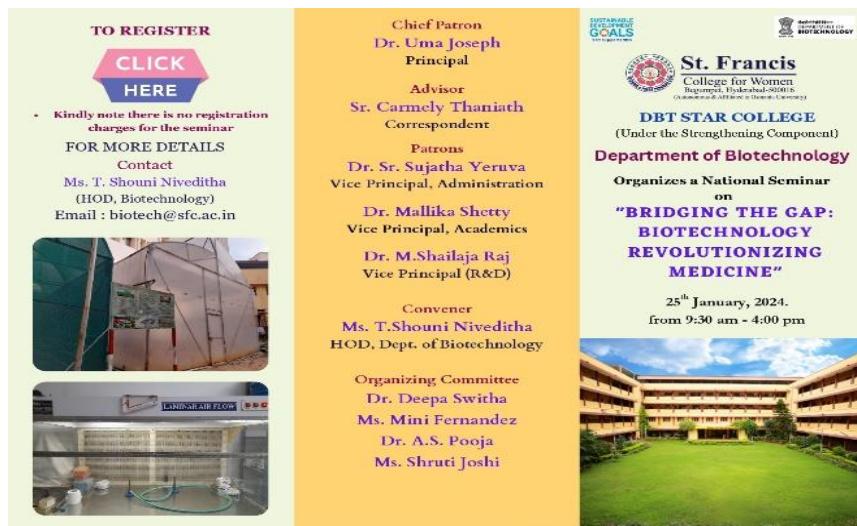
## DEPARTMENT OF BIOTECHNOLOGY

### Report on National Seminar on Bridging the gap: Biotechnology Revolutionizing Medicine

Date: 25.01.2024

Time: 9:30 a.m. – 4:00 p.m.

#### Brochure:



The Department of Biotechnology organized a national seminar titled 'Bridging the gap: Biotechnology Revolutionizing Medicine' under DBT STAR COLLEGE scheme (Strengthening Component) for the Biotechnology students of III-year A, C and F. Around 143 students and 2 faculty members from SFC and various other colleges in Hyderabad participated in the seminar.

#### Objectives:

To help students -

- Understand about the various applications of medical biotechnology
- To explore the areas of medical biotechnology and advancements like cancer research, genetic counselling and diabetes.



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## Outcomes

The students will encompass

- The Revolutions in Medical biotechnology like Cancer Research which includes tissue engineering, nanotechnology, machine learning and usage of technologies like genomics, transcriptomics and epigenomics
- The molecular tools used in Cancer Research and the different pathways that can cause colorectal cancer
- The potential clinical implications in diabetic patients and the specific pathways within growth hormone signaling cascade contributing to progression of kidney damage in diabetes
- The process of Genetic Counseling which is a method to understand and adapt to the medical, psychological and familial implications of genetic contributions to disease

## Pictures





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