

## ST. FRANCIS COLLEGE FOR WOMEN, HYDERABAD

ACADEMIC YEAR 2023 - 2024

### DEPARTMENT OF BIOCHEMISTRY

#### Report on Workshop on Hands on Training for School Science Teachers

Date: 18<sup>th</sup> Dec 2023

Time: 9:30AM- 3:30PM



**St. Francis**  
College for Women  
Begumpet, Hyderabad-500016  
(Autonomous & Affiliated to Osmania University)

**SUSTAINABLE DEVELOPMENT GOALS**  
SFC supports SDG

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

**WORKSHOP FOR SCIENCE SCHOOL TEACHERS**

Dec 18<sup>th</sup> 2023

**CONDUCTED BY**  
**DEPARTMENT OF BIOCHEMISTRY & NUTRITION**



**Target Audience:** Faculty teaching Life Sciences in high schools

**SALIENT FEATURES OF THE TRAINING:**

- 1. Qualitative analysis of Bio-molecules- Hands on training
- 2. Bio-separation Techniques: Chromatography & Electrophoresis- Hands on training
- 3. Importance of Balanced Diet
- 4. Assessment of Nutritional Status

**OBJECTIVES:**

- 1. To familiarize the various biochemical reactions of biologically important molecules like carbohydrates, amino acids and lipids.
- 2. To understand and enhance practical skills on separation of mixed compounds by important separation methods
- 3. To educate about the importance of adequate nutrition and healthy lifestyle
- 4. To teach the participants evaluation of their health status with the help of different nutritional assessment methods

**OUTCOMES:**

- 1. Gaining in-depth practical knowledge on the biochemical reactions given by biomolecules that the teachers can transform into their classrooms
- 2. Hands on experience on separation of mixed compounds, visualization of isolated DNA, calculating molecular weights of proteins
- 3. Educate the participants to make informed decisions and healthy choices to maintain a healthy lifestyle
- 4. The program will help inform the participants about their current nutritional health status and also teach them how to assess themselves and others from time to time

**Registration:** Scan here to register  
Fee: Nil  
Limited to 30N only

**REACH US AT:**  
Email: francisbiochem96@sfc.ac.in  
nutrition@sfc.ac.in  
Contact No: 9030014556/9885776671

Participants will get hands on training for one day; kit, working lunch, participation certificate

The Department of Biochemistry & Nutrition organized a One Day Hands on Training on the topics:

1. Qualitative analysis of Bio-molecules- Hands on training
2. Bio-separation Techniques: Chromatography & Electrophoresis- Hands on training
3. Importance of Balanced Diet
4. Assessment of Nutritional Status

under DBT STAR COLLEGE (Strengthening Component) for school science teachers, Around 14 faculty members from different schools participated.

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### **Outcomes:**

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### **Pictures :**



