



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 2023 - 2024

DEPARTMENT OF CHEMISTRY

Report on Guest Lecture on Theory of Quantitative Analysis

Date: 12-02-2024

Time: 9.30 am to 1.00 pm

Brochure:

The brochure is a colorful poster with a blue and green gradient background. It features the logos of St. Francis College for Women and the Department of Biotechnology. The text is organized into sections: 'DBT STAR COLLEGE (Under the Strengthening Component) Department of Chemistry' at the top, followed by 'Organizes Guest lecture'. The main title 'Theory of Quantitative Analysis' is in a yellow box. Below it, it specifies 'For B.Sc 1st year students (IA, IB, IC, IF, IN)'. The resource person is 'Ms. Ayesha kausar', Assistant Professor, Department of chemistry, Shadan Degree and PG College for women. The date '12th February, 2024' and venue 'Venue: Gerosa Hall' are at the bottom, along with the time 'Time: 9.30. A.M - 1.00. P.M'. A circular portrait of Ms. Ayesha Kausar is on the left.

The Department of **Chemistry** organised a guest lecture on the topic **Theory of Quantitative Analysis** under DBT STAR COLLEGE (Strengthening Component) for the B.Sc. students of I year (B.Z.C, BT.Z.C, M.P.C, BC. MB.C, BT. MB.C, BC.CA.C, BT.BC.C, AN.B.C & AN.Z.C). Around 250 students and 10 faculty members participated. The resource person for the event was Ms. Ayesha Kausar, Assistant Professor, Department of Chemistry, Shadan Degree and PG College for Women. The speaker delivered a detailed explanation on volumetric and gravimetric analysis with types of indicators, types of titrations, and various steps involved in gravimetric analysis.



Objectives:

- To deepen students' comprehension of the theory of quantitative analysis, providing clarity on key concepts and methodologies.
- To foster practical skills by illustrating real-world applications, ensuring students can effectively apply quantitative analysis principles to solve complex problems in diverse contexts.

Outcomes:

- Participants will gain an understanding of the theory of quantitative analysis, enabling them to grasp and apply fundamental concepts more effectively.
- Attendees will be able to connect theoretical knowledge to real-world scenarios, facilitating the practical application of quantitative analysis in various domains.

Pictures:





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The session successfully enlightened how volumetric and gravimetric analysis is crucial in analytical chemistry, allowing for versatile and accurate determination of concentrations in various substances.