



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

सत्यमेव जयते

DEPARTMENT OF CHEMISTRY

DBT Annual Report April- 2024

List of events organised

S. No.	Date	Event	Objectives	Outcomes	No. of students
1	14-12-2023	Guest Lecture on Empowering Futures: Nurturing a Passion for Research in the Next Generation	To inspire the students towards research in Chemistry	Ignited enthusiasm and a sense of purpose among students considering a future in organic chemistry research.	200
2	05-01-2024	Field trip to CIPET, Hyd.	To get exposure about the real life industries.	Gained exposure and understood various techniques used in the plastic industry.	103
3	18-01-2024	National Seminar on the Emerging Trends in Sustainable Chemistry, Nanotechnology & Electroanalytical Methods.	To provide participants with a comprehensive understanding of the latest developments in the topics through expert presentations and discussions.	Resulted in strengthening professional connections among participants, paving the way for future collaborations and partnerships in research, academia, and industry.	270 SFC and 30 students from other institutions
4	08-02-2024	Workshop "Dare to Lead"	To enhance leadership qualities among the students.	Helped in strengthening professional connections among the	123



St. Francis

College for Women

Begumpet, Hyderabad-500016

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



सत्यमेव जयते

जैवप्रौद्योगिकी विभाग

DEPARTMENT OF

BIOTECHNOLOGY

				participants, paving the way for future leaders.	
5	12-02-2024	Guest Lecture on The Theory of Quantitative Analysis	To deepen students' comprehension of the theory of quantitative analysis, providing clarity on key concepts and methodologies.	Participants gained an understanding of the theory of quantitative analysis, enabling them to grasp and apply fundamental concepts more effectively.	250
6	3&4-04- 2024	CSIR-sponsored Two-Day National Conference on Advances in Energy Materials and Devices (AEMD-2024) Attended	To explore and discuss the latest advancements in Energy Materials and Devices, with a specific focus on their pivotal role in shaping the battery technology.	Stimulated new partnerships, research collaborations, and interdisciplinary approaches to addressing challenges in energy technology.	Attended by one faculty



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

सत्यमेव जयते

Report

The department of Chemistry organised guest lectures, national seminar, workshop and field trip under the DBT STAR COLLEGE, Strengthening component. The objectives of these events are to inspire the students towards higher studies and research in Chemistry, to provide the participants with a comprehensive understanding of the latest developments in the field of Chemistry, to help them develop collaborative research, to develop leadership qualities, to apply the theoretical principles in practical situations and to gain exposure to the plastic industry. The objectives were successfully achieved and benefited the student community to a great extent.

1. Guest Lecture on Empowering Futures: Nurturing a Passion for Research in the Next Generation (14-12-2023)

This was an alumni talk for which the resource person was Ms Priyanka Mishra (Project Associate – 1, CSIR-IICT, Hyderabad). This event mainly focused on instilling a passion among the students for research and to convey the invaluable role it plays in shaping the

future of both individuals and the scientific community. Attendees gained valuable insights from the alumna's experiences, emphasising the rewards of perseverance and collaboration in the field.



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

सत्यमेव जयते

The banner features the St. Francis College logo on the left and the Department of Biotechnology logo on the right. It includes the text 'DBT STAR COLLEGE (Under Strengthening Component) Department of Chemistry organizes an Alumna Talk on "Empowering Futures: Nurturing a Passion for Research in the Next Generation" For B.Sc. Life Sciences & PG Organic Chemistry Students'. A circular portrait of Ms. Priyanka Mishra is shown, with her name and title 'Project Associate - I CSIR-IICT, HYDERABAD' below it. The event details 'Date : 14 -12-2023 | Time : 10.30 A.M to 12.00 Noon | Venue : Gerosa Hall' are at the bottom. Logos for Sustainable Development Goals and SFC's support for SDG are also present.

2. Field trip to Central Institute of Petrochemicals Engineering and Technology (CIPET), Hyderabad (05-01-2024)

The department of Chemistry organised a field visit to the Central Institute of Petrochemicals Engineering and Technology (CIPET) with 103 students of B. Sc. III year. The field visit aimed at helping students to gain first hand information related to plastics and their applications in day-to-day life and to see the equipment/machinery used in the plastic industry. The institute also organised a workshop to enlighten about the opportunities, training and placements in the plastic industry.



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

सत्यमेव जयते



3. National Seminar on the Emerging Trends in Sustainable Chemistry, Nanotechnology & Electroanalytical Methods (18-01-2024)

A one day National Seminar was organised by the Chemistry department to foster collaboration and networking among participants, encouraging the exchange of ideas and experiences to stimulate potential interdisciplinary research and innovative projects. It was graced by Prof. Vijjulatha, Vice chancellor, Telangana Mahila Visvavidyalayam, Hyderabad. The keynote address and the technical sessions were delivered by eminent personalities, Prof Ch Subrahmanyam, Dr Narendra Kurra from IIT-H and Dr. S. Prasanth Kumar from CSIR-IICT. The seminar proved to be immensely enriching, providing a wealth of knowledge to all the participants in the branches of Green chemistry, Nanotechnology, and Electroanalytical techniques.



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

सत्यमेव जयते



4. Workshop on “Dare to Lead” (08-01-2024)

While the other events under the DBT STAR COLLEGE concentrated on developing the subject related skills, this workshop aimed at improving participants' personal and team leadership skills led by Ms Rohini Raju from Rave Institutes. The workshop helped the students to impart confidence, assertiveness, team-building and problem-solving.



5. Guest Lecture on The Theory of Quantitative Analysis (12-02-2024)

This guest lecture was organised especially for all the B. Sc. Ist year Chemistry students to deepen their comprehension of the theory of quantitative analysis, providing clarity



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

सत्यमेव जयते

on key concepts and methodologies. 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. The guest lecture helps the attendees to connect theoretical knowledge to real-world scenarios, facilitating the practical application of quantitative analysis in various domains.



6. CSIR-sponsored Two-Day National Conference on Advances in Energy Materials and Devices (AEMD-2024) at Government City College, Hyderabad

Dr. Shikha Chander from the department of Chemistry attended an CSIR-sponsored Two-Day National Conference on 'Advances in Energy Materials and Devices (AEMD-2024)' in Government City College, Nayapul, Hyderabad on April 3&4, 2024 under DBT STAR COLLEGE (Strengthening Component). She has presented a paper entitled "Synthesis of Activated Carbon from Coconut Shell Using $ZnCl_2$ and $FeCl_3$ for



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

सत्यमेव जयते

Chemical Activation, Binding Polyacrylic Acid and Exploring its Applications”, along with and Dr. Usha Praveena from the department of Physics.

