



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

ACADEMIC YEAR 2025 - 2026

Report on Industrial Training Program at YMC School of Chromatography

Date: November -February on Saturdays

Time: 10:00 am to 5:00 pm

Brochure

The brochure features the logos of St. Francis College for Women, the Department of Biotechnology, and YMC India Pvt. Ltd. The central text reads: 'DBT STAR COLLEGE (Under Strengthening Component) DEPARTMENT OF CHEMISTRY Organizes a Industrial Training Programme YMC SCHOOL OF CHROMATOGRAPHY Hyderabad'. The dates 'November 2025 to February 2026 On Saturdays' are listed at the bottom left, and 'Attendees : B.Sc II F Students' is listed at the bottom right.

The Department of Chemistry conducted an industrial visit under the DBT Star College (Strengthening Component) to the YMC School of Chromatography to provide practical exposure to analytical techniques such as HPLC and LC-MS. A total of 9 students from B.Sc. Second year visited YMC under this program and gained hands-on learning experience in modern chromatographic methods.

Objectives

- To understand the fundamental principles of chromatographic separation techniques.
- To gain practical exposure to the working and instrumentation of HPLC.
- To learn the basics of LC-MS and its role in compound identification.
- To understand the importance of mobile phase selection, column chemistry, and detectors in analysis.
- To observe real-time applications of chromatography in pharmaceutical analysis.
- To familiarize students with analytical laboratory practices and workflow.



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Outcomes

- Students acquired knowledge of the operation and components of HPLC and LC-MS instruments.
- Developed the ability to understand chromatograms, retention time, and peak analysis.
- Gained insight into how chromatography is used in drug analysis, quality control, and research.
- Understood the integration of separation techniques with mass spectrometry for accurate identification.
- Enhanced awareness of modern analytical technologies and their industrial applications.

Relevant Photographs



DBT Coordinator

Dept. of Chemistry, SFC