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

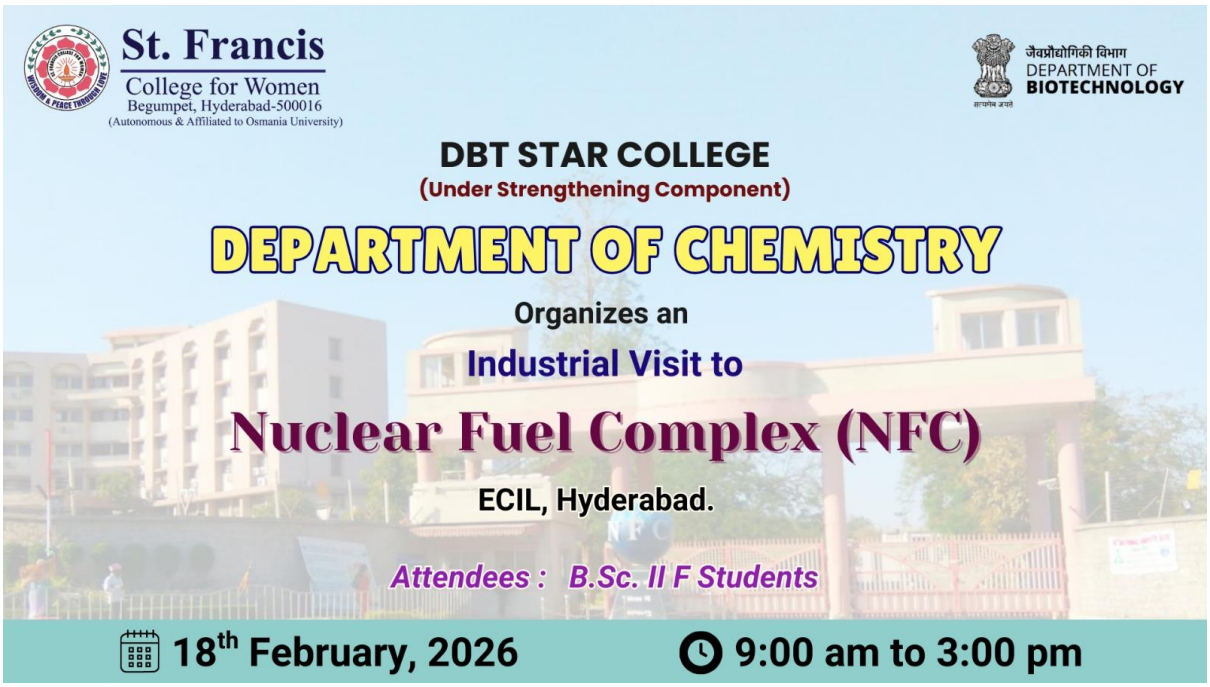
ACADEMIC YEAR 2025 - 2026

Report on Industrial Visit to NFC, Hyderabad

Date: 18.02.2026

Time: 9:00 am to 3:00 pm

Brochure



The Department of Chemistry under the DBT Star College (Strengthening Component) organized a field visit to "Nuclear Fuel Complex (NFC), Hyderabad, on 18th February 2026. The **visit** was planned for the B.Sc. 2F BTBCC and BCCAC students. About 50 students and two faculty members attended. The visit provided valuable insights into nuclear fuel fabrication, advanced manufacturing processes, and the safety measures followed in the nuclear industry. It was an informative experience that helped students connect their academic learning with real-world industrial applications.

Objectives

- To understand the role of the Nuclear Fuel Complex (NFC) in the nuclear fuel cycle and its contribution to India's energy sector.
- To observe the processes involved in the fabrication of nuclear fuel, including material handling, quality control, and safety protocols.
- To gain exposure to advanced instrumentation, manufacturing techniques, and analytical methods used in nuclear materials processing.
- To bridge theoretical knowledge from BTBCC and BCCAC coursework with real-time industrial applications.

Outcomes

- Acquired basic knowledge of nuclear fuel fabrication, zirconium alloy processing, and component manufacturing.
- Understood the importance of radiation safety, quality assurance, and regulatory standards in nuclear industries.
- Gained insight into large-scale industrial operations and interdisciplinary applications of chemistry and biotechnology.
- Developed awareness of career opportunities and research scope in nuclear science, materials science, and allied fields.

Relevant Photographs

M. Bony

DBT Coordinator

Dept. of Chemistry, SFC