



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 Faculty Improvement Programme (FIP) on “Research Based Pedagogical Tools”

Date: 17.02.2026

Time: 8.30 am to 10.30 pm

Brochure

The brochure features a yellow and light blue background with red diagonal stripes. It includes the St. Francis College for Women logo and name in the top left, and the Department of Biotechnology logo and name in the top right. The central text reads 'DBT STAR COLLEGE (Under Strengthening Component) Department of Chemistry Organizes a Faculty Improvement Program on Research Based Pedagogical Tools'. Below this, it lists the coordinators: Dr. Saritha Aduri (HOD - Chemistry) and Ms. B. Prashanthi (Assistant Professor, Department of Chemistry). A photo of Dr. Y. Aparna is shown with her name and title: Assistant Professor, Department of Microbiology, Bhavan's Vivekananda College of Science, Humanities and Commerce. The bottom section provides the date (17th February, 2026), time (8:30 am to 10:30 am), and location (PG Chemistry Lab).

The Department of Chemistry organized a Faculty Improvement Programme (FIP) on “Research Based Pedagogical Tools” for the faculty members of the Chemistry Department. The programme aimed to enhance teaching skills through innovative and research-based methods. The resource person Dr. Y. Aparna, Assistant Professor, Department of Microbiology, Bhavan’s Vivekananda College of Science, Humanities and Commerce, explained modern teaching strategies such as active learning, problem-based learning, and effective assessment techniques. Eleven faculty members of Chemistry department actively participated in the interactive session.

Objectives

- Enable faculty to integrate proven instructional strategies that improve student understanding, engagement, and academic performance.
- Support faculty in using research-driven assessment methods and classroom data to refine teaching practices and enhance learning outcomes.



- Encourage reflective teaching, innovation, collaboration, and inclusive practices that address diverse learner needs and foster academic excellence.

Outcomes

- Faculty adopt innovative, research-supported methods and inclusive approaches that address diverse learner needs and contribute to overall academic excellence.
- Faculty adopted research-based instructional strategies, improved course alignment (objectives, instruction, and assessment), and increased use of active learning techniques.

Relevant Photographs



M. Jay

DBT Coordinator

Dept. of Chemistry, SFC