



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

Hands-on Training on “Applications of ODE using Octave Software.”

Date: 6-02-2026

Time: 9:30 AM to 3:30 PM

Brochure:

The brochure is a blue and purple gradient poster. At the top left is the St. Francis College for Women logo and name. At the top right is the Department of Biotechnology logo. The central text reads: 'DBT STAR COLLEGE (Under Strengthening Component) DEPARTMENT OF MATHEMATICS organizes an Hands-on Training on Applications of ODE using Octave Software'. Below this, it specifies the date '6th February, 2026'. The resource person is 'Prof. Hari Ponnamma Rani, Department of Mathematics, NIT Warangal'. The training is split into two sessions: Session 1 (9:30 am to 11:40 am) in Lab 1 for B.Sc. II D Students, and Session 2 (1:10 pm to 3:30 pm) in Lab 2 for B.Sc. II B Students.

The Department of Mathematics organized a Workshop (Hands-on Training) under DBT STAR (Strengthening component) titled “Applications of ODE using Octave Software” for B.Sc II D Physical Science students on 6th February 2026. In Lab 2 from 9:30 A.M to 12:40 PM and BSc II B Physical Science students from 1:10 PM to 3:30 PM. The resource person for the session was Prof. Hari Ponnamma Rani, Department of Mathematics, NIT Warangal.

The objective for the session was:

- To familiarize students with GNU Octave as a computational tool for solving ODEs.
- To promote **hands-on learning** through simulations and graphical visualization of ODE solutions.

Outcomes:

- Visualize solutions using Octave plotting tools for better interpretation.
- Formulate mathematical models using ordinary differential equations.

Pictures:



Y. Suryavardhani

**Dr.Y.Suryavardhani
(DBT Coordinator)**