



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

ST. FRANCIS COLLEGE FOR WOMEN, HYDERABAD

ACADEMIC YEAR 2025 - 2026

Report on Guest Lecture on 'Physics of Audio, Video & Image Forensics'

Date: 17 December 2025

Time: 12:10-1:30 PM

Brochure:

The brochure is a rectangular poster with a white background and orange and yellow geometric accents in the corners. It features the St. Francis College for Women logo and name in the top left, and the Department of Biotechnology logo in the top right. The central text reads 'DBT STAR COLLEGE (Under Strengthening Component) Departments of Physics & Electronics Organizes Guest Lecture on Physics of Audio, Video & Image Forensics'. Below this, the date 'December 17, 2025', time '12:10 pm to 1:10 pm', and location 'U208' are listed with corresponding icons. A circular portrait of Ms. M. Maheshwari is shown on the left, with her name and title 'Assistant Director & Scientist C (Physics) Central Forensic Science Laboratory, Hyderabad' below it. At the bottom, a dark blue box contains the text 'Students of B.Sc Physics and Electronics'.

The Department of Physics & Electronics organized a guest lecture on the topic “**Physics of Audio, Video & Image Forensics**” under DBT STAR COLLEGE (Strengthening Component) for the Physics and Electronics students of I, II and III year (MPC, MPCs and MECs). Around 50 students and 3 faculty members participated. The resource person for the event was Ms. M. Maheshwari (Assistant Director & Scientist (physics), Central Forensic Science Laboratory, Hyderabad).



Objectives:

1. To introduce the application of physics and electronics principles in audio, video, and image forensics.
2. To provide exposure to the professional role and responsibilities of a physicist working in a forensic science laboratory through real case studies.
3. To enhance understanding of how physical evidence such as ballistic patterns, material wear and tear, and footprints is analyzed using scientific methods.

Outcomes:

1. Students gained practical insight into the role of physics in forensic investigations involving audio, video, and image analysis.
2. Awareness was created about interdisciplinary career pathways in forensic science for physics and electronics graduates.
3. The lecture enabled better correlation between theoretical knowledge and real world forensic case analysis.

Pictures:





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