

# ST. FRANCIS COLLEGE FOR WOMEN, HYDERABAD

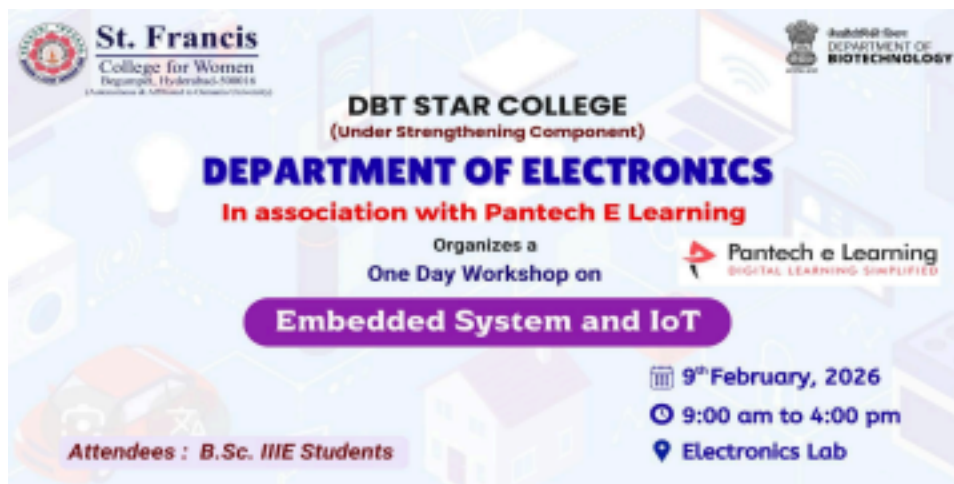
ACADEMIC YEAR 2025- 2026

## Report on Guest Lecture / Workshop on “Embedded System and IoT

Date: 9<sup>th</sup> February 10, 2026

Time: 9.00 a.m to 4.00 p.m

### Brochure



The Department of Electronics organized a hands on training workshop on the topic “Embedded System and IoT ” under DBT STAR COLLEGE ,Strengthening Component, for the B.Sc students of III year (M.E.CS). Around 40 students and one faculty member participated. The resource person for the event was Mr. Vijayan from Pantech e-Learning.

### Objectives:

- The primary objective of the session was to enhance the students' knowledge in electronic skills and embedded systems.
- Apply the knowledge in the IoT field which will help the students to pursue a career as embedded engineer or an IoT professional with this hands on training workshop.

**Outcomes:** The students learned about :

- Basic programming in Arduino IDE Micro controller including GPIO manipulation. Embedded C programs were implemented.
- Soil moisture Sensor ,LDR Sensor, OLED DISPLAY, IP address Sensor, Ultrasonic Sensor using Arduino with this system.

- Comprehensive understanding of real-life applications and conducted an in-depth study of core components like micro controllers.

## Pictures

