



St. Francis

College for Women

Begumpet, Hyderabad-500016

(Autonomous & Affiliated to Osmania University)
NAAC Re-accredited with 'A' Grade 4th Cycle

GOVERNMENT OF INDIA | MINISTRY OF SCIENCE AND TECHNOLOGY



सत्यमेव जयते

जैवप्रौद्योगिकी विभाग

DEPARTMENT OF
BIOTECHNOLOGY

ST. FRANCIS COLLEGE FOR WOMEN, HYDERABAD
ACADEMIC YEAR 2025 - 2026
DEPARTMENT OF COMPUTER SCIENCE

Report on the two-day workshop on “Building Smart IoT Solutions” Conducted on November 26th -28th November 2025.

Time: 9:00 a.m-3:30 p.m.

Brochure:

The brochure is a rectangular poster with a light blue background. At the top left is the St. Francis College for Women logo. At the top right is the Department of Biotechnology logo. The central text reads: 'DBT STAR COLLEGE (Under Strengthening Component) Department of Computer Science Organizes a Workshop on Building Smart IOT solutions'. Below this, it says 'For B.Sc final year (B,D,E,H) Selected Students'. On the left, there is a circular portrait of G.N.L. Ravi Teja, with his name and title: 'G N L RAVI TEJA FOUNDER AND CEO, IKKASHIN TECHNOLOGIES Consultant for Kalvium, Bangalore'. Below the portrait, it says 'Resource Person'. At the bottom, it lists the coordinators: 'Coordinated by: Dr. Sr. Sujatha Yeruva (Head of the Dept, Associate Professor), Ms. P. Renuka (Assistant Professor), Ms. Savithri (Assistant Professor)'. The footer contains the date 'Date : November 25 - 28, 2025', time 'Time : 9:00 am to 3:30 pm', and venue 'Venue : CS Lab 7'.

The Department of **Computer Science** had organized a two-day workshop on **Building smart IOT solutions** on 25th to 28th November 2025. The resource person for the workshop was **Mr. G.N.L. Ravi Teja**, Founder & CEO of Ikkashin Technologies and Consultant for Kalvium, Bangalore. The Workshop was organized for BSC **final year (B, D, E, H)** selected students in CS lab 7, Computer Science Department, St. Francis College for Women.



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Objectives:

- To provide a comprehensive overview of technologies and platforms in the field of the Internet of Things (IoT). The workshop aimed to provide hands-on experience in building and managing IOT devices, sensors and understanding them better.
- To focus on practical and theoretical knowledge about the Internet of Things (IOT) using IR sensors, LDRs, servo motors and IOT platforms.

Outcomes of the event:

- Students worked hands-on with LED's, IR sensors, LDRs, and servo motors. They also explored essential libraries and used the open-source Blynk platform to connect IoT devices.
- They learned servo motor soft motion, ultrasonic sensors, ultrasonic sensor integration with servo motors, and the DHT sensor for temperature and humidity.
- Participants gained hands-on experience in building and managing IoT Devices, which will be beneficial for future projects and endeavor in the IoT domain.

Pictures:



Students engaged in the workshop



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Students gathered at the end of workshop

Savithri

DBT Coordinator