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 2024 - 2025
DEPARTMENT OF COMPUTER SCIENCE

Report on the two day workshop on "Advance Building Smart IoT Solutions"

Date: July 25ᵗʰ and 26ᵗʰ 2024

Time: 9:00 a.m-4:00 p.m.

Brochure:

The Department of Computer science had organized a two day workshop on Advance building smart IOT solutions on 25ᵗʰ and 26ᵗʰ July, 2024. The resource person was Mr. Satish Rao, IOT Coach, IOT Users Club. The Workshop was organized for 30 selected BSC final year (B, D, E and H) students in CS lab 7, Computer science department, St. Francis College for Women.

Objective:

• 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 Arduino,

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NodeMCU, and IOT platforms.

Outcome:

- Students installed libraries, modified code and set board in Arduino which is ESP 8699 wifi module. They created a ted channel in ThingSpeak iot platform and transferred data. Also worked with MQTT Client app and modified the data.

- This workshop successfully demonstrated the integration of hardware and software to create a simple IoT application. Students were able to connect the NodeMCU to a Wi-Fi Network, send data to ThingSpeak at regular intervals, work with Arduino and sensors , and also create application on kodular platform.

- Participants gained hands-on experience in building and managing IoT Devices, which will be beneficial for future projects and endeavors in the IoT domain..

Pictures

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