



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

ST. FRANCIS COLLEGE FOR WOMEN, HYDERABAD

ACADEMIC YEAR 2024 – 2025

DEPARTMENT OF COMPUTER SCIENCE

List of events under Star DBT

S. No	Name of the Event	Date
1	Advance Building Smart IoT Solutions	25&26 July,2024.
2	Field Trip to Indian Space Research Organization	19th July,2024



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DEPARTMENT OF
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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”

Conducted on July 25&26 2024.

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

Brochure:

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DBT STAR COLLEGE
(Under Strengthening Component)

Department of Computer Science

Organizes
C@nnect 7.4
Hands-on Training on

“Advance Building Smart IoT Solutions”

For B.Sc. Final Year (B, D, E & H) Selected Students

Date : July 25 & 26, 2024

SUSTAINABLE DEVELOPMENT GOALS
SFC supports SDG

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 **Satish Rao, IOT coach, IOT users club**. 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.4 Faculty Coordinators: Ms. Savitri Ms. Renuka.



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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, 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.



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Pictures





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ST. FRANCIS COLLEGE FOR WOMEN, HYDERABAD ACADEMIC YEAR 2024 – 2025

DEPARTMENT OF COMPUTER SCIENCE

Report on the Field Trip to Indian Space Research Organization (ISRO/NRSC,

Jeedimetla, Hyderabad)

Conducted on 19th July, 2024.

Time: 8:00 a.m-3:00 p.m.

Brochure:

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DBT STAR COLLEGE
(Under Strengthening Component)

Departments of Computer Science & Mathematics

Organizes a
Field Visit to

ISRO / NRSC

Jeedimetla, Hyderabad.

19th July, 2024

8:00am to 3:00pm

Attendees : UG II year Physical Science & MSc Mathematics Students



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Department of computer science along with Mathematics has organized **Indian Space Research Organization** on **19th July,2024**. The resource person for the same was **T. Shanker Prasad, Sci./Eng.-Sf, Training, Education & Outreach Group**. The event was organized for **2nd Year Physical Science And M.sc Mathematics Students** in **National Remote Sensing Center (NRSC), Jeedimetla, Hyderabad**.

Faculty Coordinators: Ms. Preethi and Ms. Renuka.

Objective:

- To provide insight into the workings of India's premier space research and development agency.
- To understand the various functions and operations of NRSC, to learn about current and upcoming space programs and to inspire students towards pursuing careers in space science and technology

Outcome:

- A comprehensive presentation by the Scientists highlighted NRSC's significant achievements, including the Chandramana and Mangalyaan missions.
- Students visited the exhibits, where we observed the meticulous process of satellite assembly and testing.
- This Field Trip provided students with a deeper appreciation of the complexities involved in space exploration and the immense dedication
- The field trip concluded with a feedback session, where Students Interacted with Scientists of the NRSC team who shared their invaluable knowledge with the participants.



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Caption: Exhibit Models

