

J.B. INSTITUTE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

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Bhaskar Nagar, Moinabad Mandal, R.R. District, Hyderabad -500075

Electronics and Computer Engineering Department
Academic Year: 2025-26

Report

On

Research Talk on
“Biosensors”

Under ECMTA

Resource Person

Mrs. Kiran Pakmode

Assistant Professor, ECM, JBIET

and

Research Scholar, Jadavpur University, Kolkata

Date: 30-01-2026

Details of the event:

Research talks on “Biosensors” was organized by the department of Electronics and Computer Engineering under Electronics and Computer Technical Association (ECMTA) on 30th January 2026 for faculty members and students of the department. The resource person was Mrs. Kiran Pakmode, Assistant Professor, ECM, JBIET and Research Scholar, Jadavpur University, Kolkata.

Objective:

1. To introduce the concept and importance of Biosensors.
2. To present the latest research developments.
3. To demonstrate real-world applications.

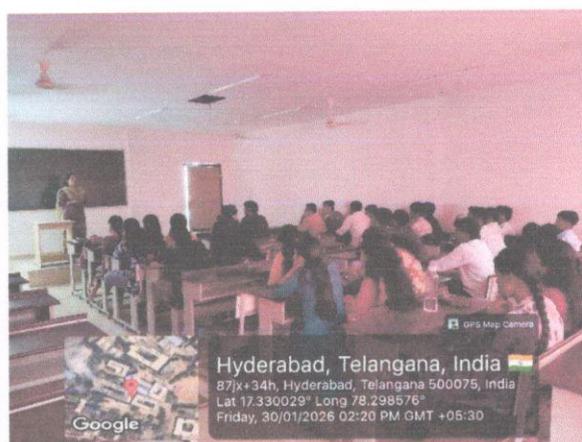
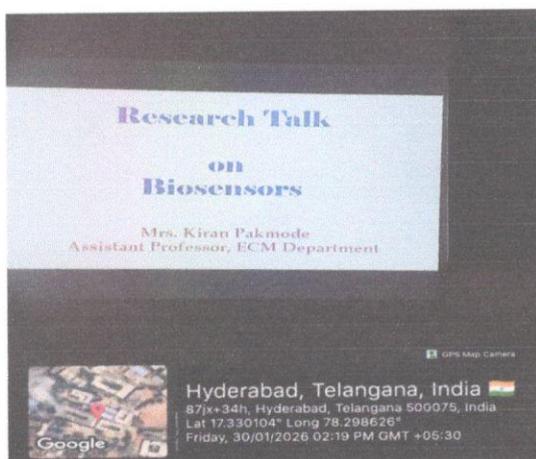
Topics covered:

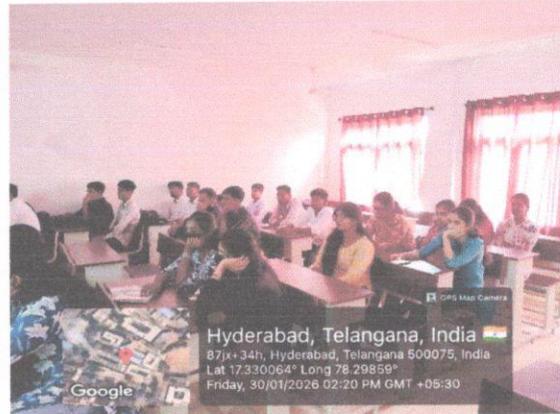
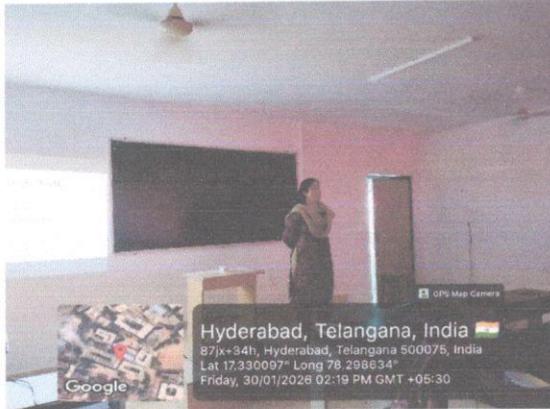
1. What are sensors?
2. Example of sensors
3. What are Biosensors?
4. Block diagram of biosensor
5. Components of Biosensors
6. Applications of biosensors
7. Commonly Used Biosensors

Outcomes:

1. The research talk on biosensors focused on the advancements in biosensors, highlighting their principles, recent developments, and medical applications.
2. The talk also discussed the reproducibility, stability, sensitivity, and fabrication technologies of biosensors, as well as their integration with nanobiotechnology for smart healthcare systems.
3. The talk aimed to inform strategic decision-making, drive technological innovation, and enhance global healthcare outcomes by synthesizing multidisciplinary insights.

Photo Gallery:





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