



BIOSIM LAB

DISCOVER PHYSICS BEHIND LIFE

27th May, 2026 | 3:30 PM - 4:30 PM

Venue: Acharya Campus

About the Program

This programme is designed to introduce second-semester Biotechnology students to the fundamental principles of physics underlying biological systems through simulation-based activities. Using freely available virtual tools, students will explore key concepts such as diffusion, optics, and wave phenomena and understand their relevance in biological processes like cell transport, microscopy, and medical imaging. The session emphasizes experiential learning, enabling students to visualize and analyze how physics governs life at different scales.

Objectives of the Program

- To help students understand the role of physics in biological systems.
- To provide hands-on experience using simulation tools for scientific exploration.
- To develop analytical thinking and observation skills through virtual experiments.

Expected Outcomes of the Program

- Students will be able to relate fundamental physics concepts to real-life biological phenomena.
- Students will gain practical exposure to simulation-based experimentation.
- Students will improve their data interpretation and scientific reasoning skills.

Target Audience: First year BT students

[REGISTRATION LINK](#)

Committee Members

ADVISORY COMMITTEE

- Dr. C K Marigowda, Principal, AIT
- Dr. Rajanna K R, Dean- Students Affairs, AIT
- Dr. Mahesh S.S, First Year Coordinator Physics cycle, AIT
- Dr. Satish K, Head, Dept of Chemistry & First Year Coordinator, AIT

CONVENER

- Dr. Kavyashree D, Assoc. Professor and Head, Dept. of Physics, AIT

COORDINATOR

- Dr. Gokul Krishna B, Asst. Professor, Dept. of Physics, AIT



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Event Coordinator

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