



Applications of AI in Biotechnology

➤ INTRODUCTION AND APPLICATION OF AI

Artificial Intelligence is rapidly reshaping biotechnology and healthcare—from disease diagnosis to drug discovery. This session introduces core AI concepts and demonstrates how they are applied to solve real-world biological and medical problems.

➤ KEY TOPICS COVERED

- Fundamentals of Artificial Intelligence & Machine Learning
- Biological & clinical data in AI (omics, imaging, EHRs)
- AI in genomics, proteomics, and drug discovery
- Applications in medical imaging & disease diagnosis
- AI-driven biomarker discovery & precision medicine
- Ethical challenges & responsible AI in healthcare

➤ Why This Session Matters

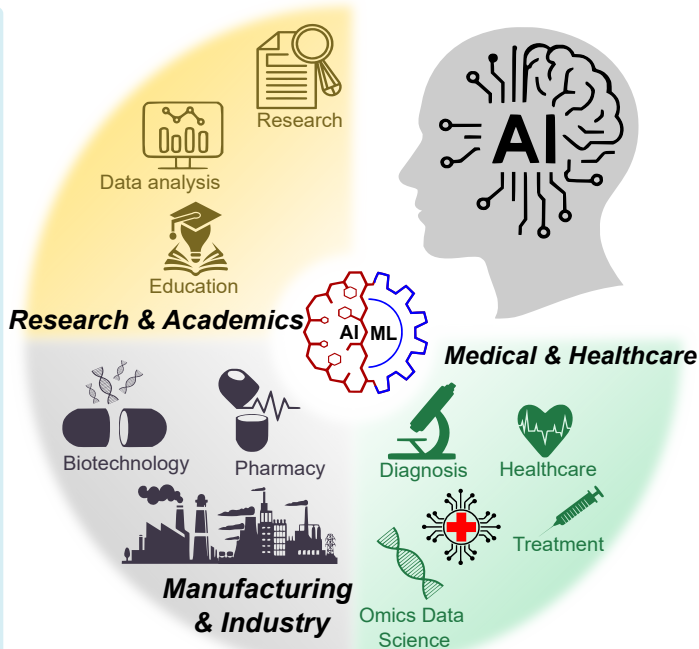
- ✓ Understand AI without heavy mathematics
- ✓ Learn how AI is used in real biotech and clinical workflows
- ✓ Explore interdisciplinary career paths (AI + Life Sciences)
- ✓ Prepare for future research and industry opportunities

➤ Event Details

- Date: 27th February, 2026
- Time: 10 A.M
- Venue: Prof. A. N. Bhaduri Memorial Hall, Department of Biotechnology and Dr. B. C. Guha Centre for Genetic Engineering and Biotechnology, University of Calcutta, Ballygunge Science College Campus.

Tentative Speakers:

- Prof. Anirban Mukhopadhyay, University of Kalyani.
- Prof. Kuntal Ghosh, Indian Statistical Institute, Kolkata.
- Dr. Saikat Banerjee (M.D., Respiratory Medicine), Institute of Pulmocare and Research, Kolkata.
- Dr. Debabrata Ghosh Dastidar, Associate Professor, Guru Nanak Institute of Pharmaceutical Science and Technology (GNIPST), Kolkata.



➤ Who Should Attend

Minimum eligibility criteria: Postgraduate students

- Biotechnology & Life Science Students
- Biomedical & Healthcare Researchers
- Medical & Allied Health Students
- Anyone interested in AI-driven healthcare innovation

● Registration fees: Free

- Registration will be done on a first-come, first-served basis. Seats: 60

Registration link: <https://forms.gle/8iYAHSAk6WslYq7k6>

If the link does not open directly, please copy and paste it into Google.