Institute of Advanced Research
The University for Innovation
IAR University
Established under the Gujarat Private Universities Amendment Act 2011 and recognized under section 22 and 2(f) of UGC

A Report

*On*

# *National Technology Day*

## *BioTech Innovations 2026: Ideas from Emerging Biotechnologists*

Organizing Committee: IIC, IAR University

Event Coordinator: Dr. Anargha Nambiar

Report Prepared by: Dr. Anargha Nambiar

Date of the event: 6th May 2026

| | | | |
|---|---|---|---|
| **Name of Event** | "Celebration of National Technology Day"<br>BioTech Innovations 2026: Ideas from Emerging Biotechnologists | | |
| **Event Type**<br>**(Co-curricular/ Extra Curricular)** | IIC Activity | | |
| **Platform** | Offline | | |
| **Place of event** | A2-205 | | |
| **Date (s) of the event** | 6th May 2026 | **Time** | 10:40-11:30 AM |
| **No. of Student/ faculty Participants for Expert talk** | Students: 48 | **Level of Activity** | University Level |
| **No. of Participants for poster Presentation** | 46<br>(Attendance sheet attached for reference in **Annexure –'1'**) | | |
| **Name of the Coordinator** | Dr. Anargha Nambiar | | |
| **Name and details of the Expert** | NA | | |
| **Contact details of Organizers** | anargha.nambiar@iar.ac.in | | |
| **Sponsoring authority** | NA | **Sponsorship/ Budget amount:** | NA |

## Objective of the Event:

- To introduce students to real-world applications of biotechnology.
- To build scientific temperament and presentation skills among early-year students.
- To create awareness about the role of technology in societal development.
- To celebrate National Technology Day by connecting classroom learning with innovation.
- To encourage students to explore research-led thinking at an early academic stage.

## Introduction:

IAR University celebrated National Technology Day 2026 on 6th May 2026 by organizing a student presentation session titled "BioTech Innovations 2026: Ideas from Emerging Biotechnologists." The event aimed to encourage scientific curiosity, promote early-stage research thinking, and provide a platform for B.Tech Biotechnology 2nd semester students to showcase their understanding of foundational and emerging areas of biotechnology.

The session reflected the spirit of National Technology Day honoring technological advancement, innovation, and India's progress in science and research.

## Overview of the event:

The presentations reflected a broad range of biotechnology concepts relevant to early undergraduate learning. Students focused on introductory scientific principles, fundamental technologies, and basic applications across healthcare, environment, agriculture, and industry. The key areas of presentations are as followsL

**1. Genetic Engineering & DNA Technologies**

- Structure and function of DNA
- Tools used in recombinant DNA technology
- Applications in medicine, agriculture, and diagnostics

**2. Microbiology & Industrial Applications**

- Industrially important microorganisms
- Fermentation processes and enzyme production
- Role of microbes in food technology

3. **Environmental Biotechnology**

- Bioremediation and microbial degradation of pollutants
- Role of microbes in wastewater treatment
- Biofertilizers and their agricultural impact

4. **Healthcare Biotechnology**

- Vaccine development basics
- Antibiotic resistance mechanisms
- Diagnostic kits and point-of-care technologies

**5. Agricultural Biotechnology**

- GM crops such as Bt cotton and Golden Rice
- Plant tissue culture and its commercial relevance
- Applications in sustainable agriculture

**6. Bioinformatics (Beginner Level)**

- Introduction to biological databases
- Basics of DNA sequencing and genome analysis
- Role of computational tools in modern biotechnology

**7. Emerging Trends (Explained at Intro Level)**

- CRISPR–Cas technology
- Nanobiotechnology applications
- Basics of synthetic biology

## Student Engagement & Learning Outcomes

The event helped students to:

- Strengthen their understanding of core biotechnology concepts.
- Develop presentation, research, and communication skills.
- Build confidence in exploring scientific ideas.
- Connect classroom learning with real-world biotechnology applications.
- Understand the importance of innovation in shaping the future of technology.

Faculty members appreciated the efforts of students for their clarity, creativity, and ability to explain scientific topics at an early stage of their academic journey.

## Conclusion

The BioTech Innovations 2026 session successfully captured the essence of National Technology Day by empowering young learners to think scientifically and creatively. The event served as an excellent platform for second-semester biotechnology students to demonstrate their foundational knowledge and innovative perspectives.

IAR University aims to continue fostering a culture of research, innovation, and scientific excellence, encouraging students to become the future contributors to biotechnology and technological advancement in India.

**Glimpses of the Event –** Glimpses of "BioTech Innovations 2026: Ideas from Emerging Biotechnologists" held on 6th May 2026:











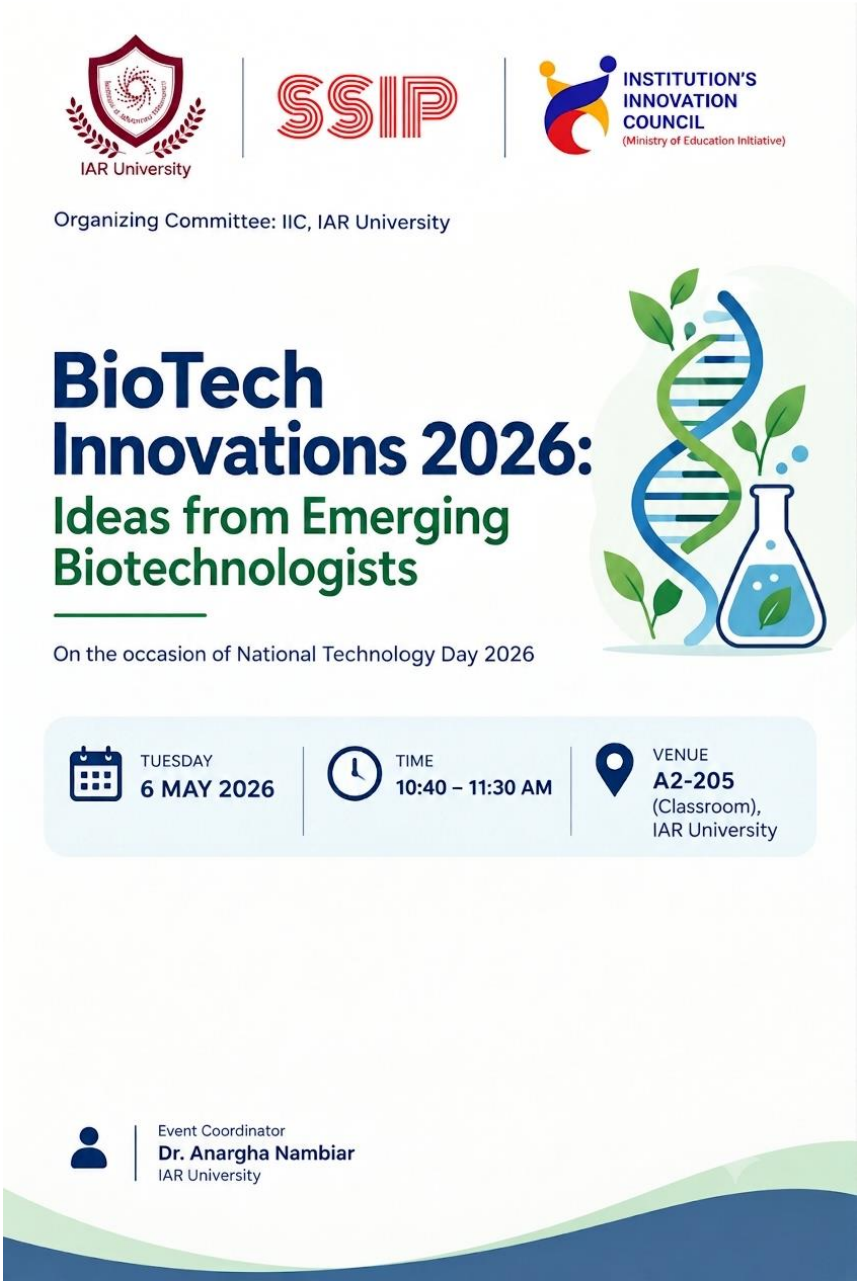
**Media Coverage:**

**Link to the FB Page/Google Meet/YouTube etc.:**

https://x.com/iaruniversity/status/2112147957600731523?s=20

## Short report for Social Media:

B.Tech Biotechnology students of IAR University showcased their creativity and scientific curiosity during *BioTech Innovations 2026*, a National Technology Day celebration. From genetic engineering basics to environmental and healthcare applications, students presented emerging ideas that highlight the future of biotechnology. Proud of our young innovators!



**Acknowledgement –**

The organizing committee sincerely acknowledges the valuable contribution and support of:

- Director, Institute of Advanced Research (IAR)
- Dean Academics
- Registrar
- Dean Research
- Heads of all Departments
- Faculty Members, School of Humanities and Sciences
- IT, Finance, and Administrative Departments
- Student Volunteers for their active support and coordination
- All participants, including students from IAR and other universities, for their enthusiastic involvement

**Enclosures:**

- Annexure- I (Attendance sheet)

**Report Copied to: (attachment sent through email)**

- Office of Director, and Registrar
- Office of Dean Research and Academics
- Heads of all the Department
- SSIP/IIC Coordinator

Signature

**Dr. Anargha Nambiar**

(Assistant Professor)

(Event Coordinator)

Signature

**Dr. Roli Mishra**

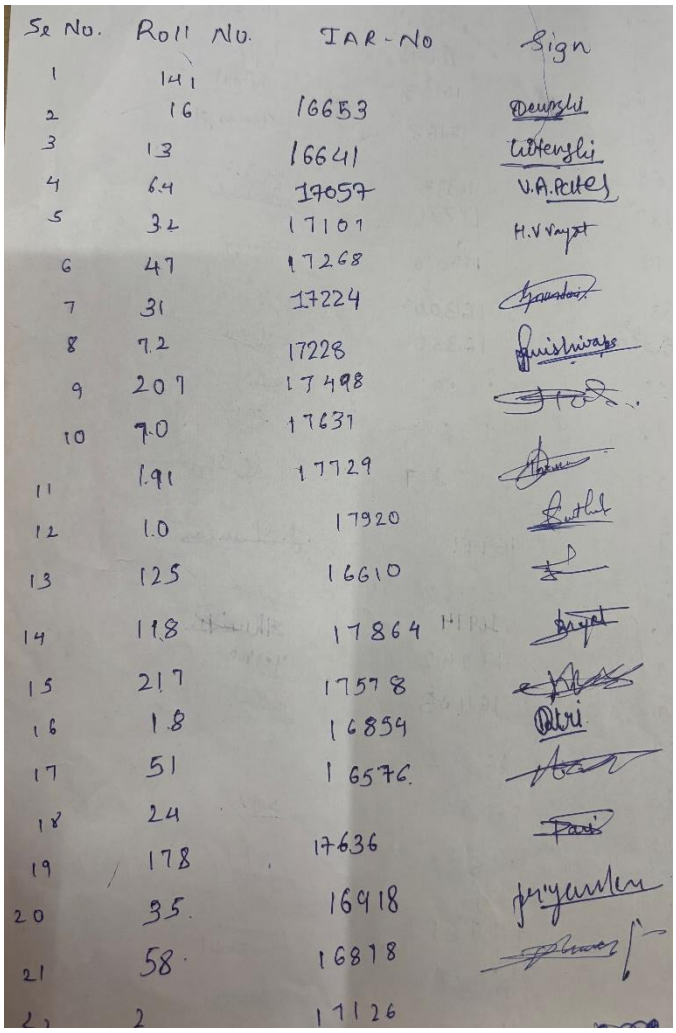
Chairman, IIC, IAR

INSTITUTE OF ADVANCED RESEARCH GANDHINAGAR

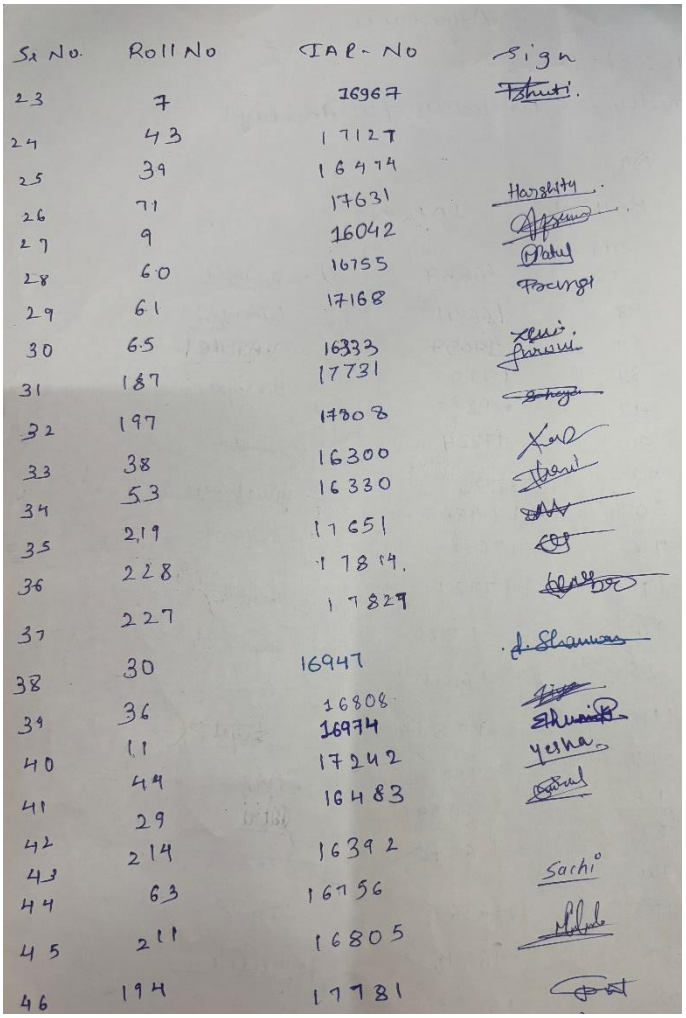
**Date: 08.05.2026**

**Place: Gandhinagar**

# Annexure- I (Attendance)



| Sr No. | Roll No. | IAR-No | Sign |
|---|---|---|---|
| 1 | 141 | | |
| 2 | 16 | 16653 | |
| 3 | 13 | 16641 | |
| 4 | 64 | 17057 | V.A. Patel |
| 5 | 32 | 17101 | H.V Vayat |
| 6 | 47 | 17268 | |
| 7 | 31 | 17224 | |
| 8 | 72 | 17228 | |
| 9 | 207 | 17498 | |
| 10 | 70 | 17631 | |
| 11 | 191 | 17729 | |
| 12 | 10 | 17920 | |
| 13 | 125 | 16610 | |
| 14 | 118 | 17864 | |
| 15 | 217 | 17578 | |
| 16 | 18 | 16854 | |
| 17 | 51 | 16576 | |
| 18 | 24 | | |
| 19 | 178 | 17636 | |
| 20 | 35 | 16918 | |
| 21 | 58 | 16818 | |
| 22 | 2 | 17126 | |



| Sr No. | Roll No | IAR-No | Sign |
|---|---|---|---|
| 23 | 7 | 16967 | |
| 24 | 43 | 17127 | |
| 25 | 39 | 16474 | |
| 26 | 71 | 17631 | |
| 27 | 9 | 16042 | |
| 28 | 60 | 16755 | |
| 29 | 61 | 17168 | |
| 30 | 65 | 16333 | |
| 31 | 187 | 17731 | |
| 32 | 197 | 17308 | |
| 33 | 38 | 16300 | |
| 34 | 53 | 16330 | |
| 35 | 219 | 17651 | |
| 36 | 228 | 17819 | |
| 37 | 227 | 17829 | |
| 38 | 30 | 16947 | |
| 39 | 36 | 16808 | |
| 40 | 11 | 16974 | |
| 41 | 44 | 17242 | |
| 42 | 29 | 16483 | |
| 43 | 214 | 16392 | |
| 44 | 63 | 16756 | |
| 45 | 211 | 16805 | |
| 46 | 194 | 17781 | |