

**NATIONAL INSTITUTE OF TECHNOLOGY
ANDHRA PRADESH**

DEPARTMENT OF BIOTECHNOLOGY



NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH
Tadepalligudem, West Godavari(D),
Andhra Pradesh – 534101

GenNex- Illuminare'25

AlumniInteraction

Date: 25th October 2025

Day: Saturday

Time: 10:30AM-12:30PM

Organized by: BEA association

Mode: Online (Google Meet) The Department of Biotechnology, NIT Andhra Pradesh, organized an enriching Alumni Interaction Session on **25th October 2025** from **10:30 AM to 12:30 PM**. The event aimed to provide students especially freshers with exposure to diverse career pathways after graduating in Biotechnology. Three distinguished alumni from the **2020–2024** and **2021–2025** batches were invited as speakers, each representing a unique professional domain. Students from all batches B.Tech First Year, Second Year, Third Year, Final Year, as well as PhD research scholars actively participated in the session. Faculty members Dr. Sanhita Nandi and Dr. J. Leonard were also present and encouraged student involvement throughout the event.

Invited Alumni Speakers

Session by Venkat Sai Reddy

M.Tech Biomedical Engineering, IIT Delhi

Batch: 2020-2024

Venkat Sai Reddy began his session by explaining his journey from NIT Andhra Pradesh to one of the premier institutes in the country—IIT Delhi. He emphasized the importance of having clear goals while preparing for higher education, especially competitive exams like GATE. He guided students on the important subjects to focus on for GATE-BT. He also stressed understanding numerical problem-solving, time management, and consistent revision. Venkat shared his personal preparation strategy—solving previous years' papers, creating short notes, and focusing on conceptual clarity over rote learning. Venkat then spoke about life as an M.Tech student at IIT Delhi, the academic rigor involved, and the research exposure available in biomedical engineering. He motivated students to explore interdisciplinary pathways combining biology with electronics, materials science, and computational biology. His guidance provided strong clarity for students aiming for higher studies.

Session by Shreyash Gore

Regional Manager – Jodo, Ahmedabad (Finance & Management Sector) Batch: 2020–2024

Shreyash's session was focused on career diversification and personal development. He explained how a biotechnology degree does not restrict career options and how one can successfully move into management, finance, operations, or corporate roles with the right skill set. He emphasized the importance of building a strong personality and working on attributes that matter in any profession:

- Communication skills
- Professional confidence
- Adaptability and quick learning
- Analytical and logical reasoning
- Teamwork and leadership qualities

Shreyash highlighted that internships play a major role in shaping careers. He advised students to make use of every semester break to do internships, online courses, or skill-building projects.

He explained how internships help to:

- Gain industrial exposure
- Build a strong resume
- Discover personal interests
- Network with professionals
- Improve corporate readiness

He shared his own childhood experiences, challenges, and the personal development journey that helped him transition from biotechnology to finance. His session encouraged students to broaden their perspective and not limit themselves to one field.

Session by Aseem Gupta

AI/ML Engineer- NBIL Labs, Bangalore Batch: 2021-2025

Aseem's session focused on the rapidly growing intersection of biotechnology and artificial intelligence. He discussed the different software tools, programming languages, and AI frameworks students can begin learning if they wish to enter the computational side of biotech. He shared how he initially started learning coding from scratch and gradually built projects that helped him enter the AI/ML industry. He encouraged students to focus on developing a strong foundation, identifying their interests early, and building small projects consistently. Aseem also highlighted that AI is not just coding—understanding data, learning logic structures, debugging, and problem-solving are equally important. His life experiences, including how he handled setbacks and stayed consistent, deeply inspired the students.

Session Overview

All three talks were highly interactive, filled with real-life experiences, guidance, and motivation. Students asked thoughtful questions about higher studies, job opportunities, personal development, internships, and skill-building. The alumni repeatedly emphasized:

- The importance of internships
- Learning new-age skills
- Working on self-improvement
- Staying focused, consistent, and curious
- Exploring different career directions beyond conventional biotechnology

The session was engaging, motivating, and extremely valuable for first-year students trying to understand the broad scope of biotechnology.

All three alumni joined virtually through Google Meet, making the event accessible and interactive. Each speaker was allotted 30 minutes, including a discussion round. After every session, students actively participated in the Q&A segment, raising questions about career decisions, required skills, higher education, and industry expectations.

The alumni also shared personal anecdotes from their student life, challenges faced during their career journeys, and the strategies that helped them succeed. Their experiences offered clarity to freshers about the various paths they can choose after completing their biotechnology degree.

Key Outcomes

- Students gained insights into diverse career opportunities, including academia, engineering, AI/ML, and finance.
- The session boosted awareness of interdisciplinary prospects beyond traditional biotechnology roles.
- Freshers were motivated by the alumni's real-life experiences and guidance.
- The interactive nature of the session made it engaging and informative.

Conclusion

The Alumni Interaction Session proved to be a highly beneficial and enjoyable experience for the students of the Biotechnology Department. The department expresses its appreciation to the three alumni speakers for sharing their time, knowledge, and valuable guidance. The session not only strengthened alumni-student bonding but also inspired students to explore multiple career pathways with confidence.

