

India's First Industry-Focused **B.Tech Programme** CS & AI

Build • Innovate • Achieve • Succeed





"The greatest opportunity of our generation lies at the intersection of technology and human potential."

Dear Tech Leaders of Tomorrow,

If you're reading this, then you've chosen to do something you've never done before. You've chosen to be a small fraction of the 1.6 million engineering graduates who are equipped to tackle novel challenges in this ever-evolving tech landscape.

When we founded Newton School, we had a simple vision: create a learning environment where students don't just study technology—they live it, build with it, and master it in an environment that nurtures practical application over rote learning. This vision inspired our groundbreaking UG programme in Computer Science & AI and is the bedrock upon which Newton School of Technology was built.

As students today, you will be the architects of our technological future. You'll build the AI systems and digital infrastructure that solve real-world challenges. At Newton School of Technology, we've created an environment where your potential isn't just recognised—it's amplified through hands-on projects, industry mentorship, and a curriculum that evolves with the industry's needs. We can promise your journey here will be as challenging as it is transformative. Come build real solutions, make connections with like-minded peers, and shape your futures together. You'll emerge not just with a degree but with the confidence and skills to thrive in a rapidly changing world.

The future of technology awaits. Are you ready to help shape it?



Nishant Chandra
Co-Founder- NST
IIT Roorkee

Siddharth Maheshwari
Co-Founder- NST
IIT Roorkee



Dr. Shobhit Mathur
Co-Founder and Vice Chancellor,
Rishihood University

“Rishihood University takes pride in partnering with Newton School of Technology, a beacon of tech education revolution. NST’s pioneering approach in tech learning is setting new benchmarks in education. Our commitment to excellence and forward-thinking curriculum are shaping the tech leaders of tomorrow. We at Rishihood are not just supporting NST; we’re jointly fostering an ecosystem where cutting-edge technology and visionary education merge. Together, we’re crafting a future where our students lead the global tech revolution.”



Sahil Aggarwal
CEO, Rishihood University

"Newton School of Technology is a brand with a holistic vision towards education. Their focus on overall learning and development of students beyond just academics is something we at Rishihood University believe in very strongly. The team at NST is highly competitive & leverages technology, not just in academics but also in administration, creating world-class delivery and a global on-campus experience. Their cutting-edge curriculum, personalised learning, and deep industry engagement are designed to create exceptional outcomes for students."



Index

The Tech Education Problem

Our Approach

Why Choose NST

Curriculum Overview

Industry Mentors & Internships

Student Achievements

Beyond The Classroom

Campus Life

Neutron Fest

International Trips

GoForGold

Campus Facilities

Student Stories

Eligibility Criteria

Graduate Outcomes

Our Journey So Far

Newton School was founded in 2019 and has since grown from an ambitious startup into a transformative force in technology education.

2019

Foundation

Siddharth & Nishant co-founded Newton School.

2021

Expansion

Transformed the lives of 5000+ learners and onboarded 800+ active hiring partners.

2022

Acceleration

Secured Series B funding of \$25Mn

2023

Transformation

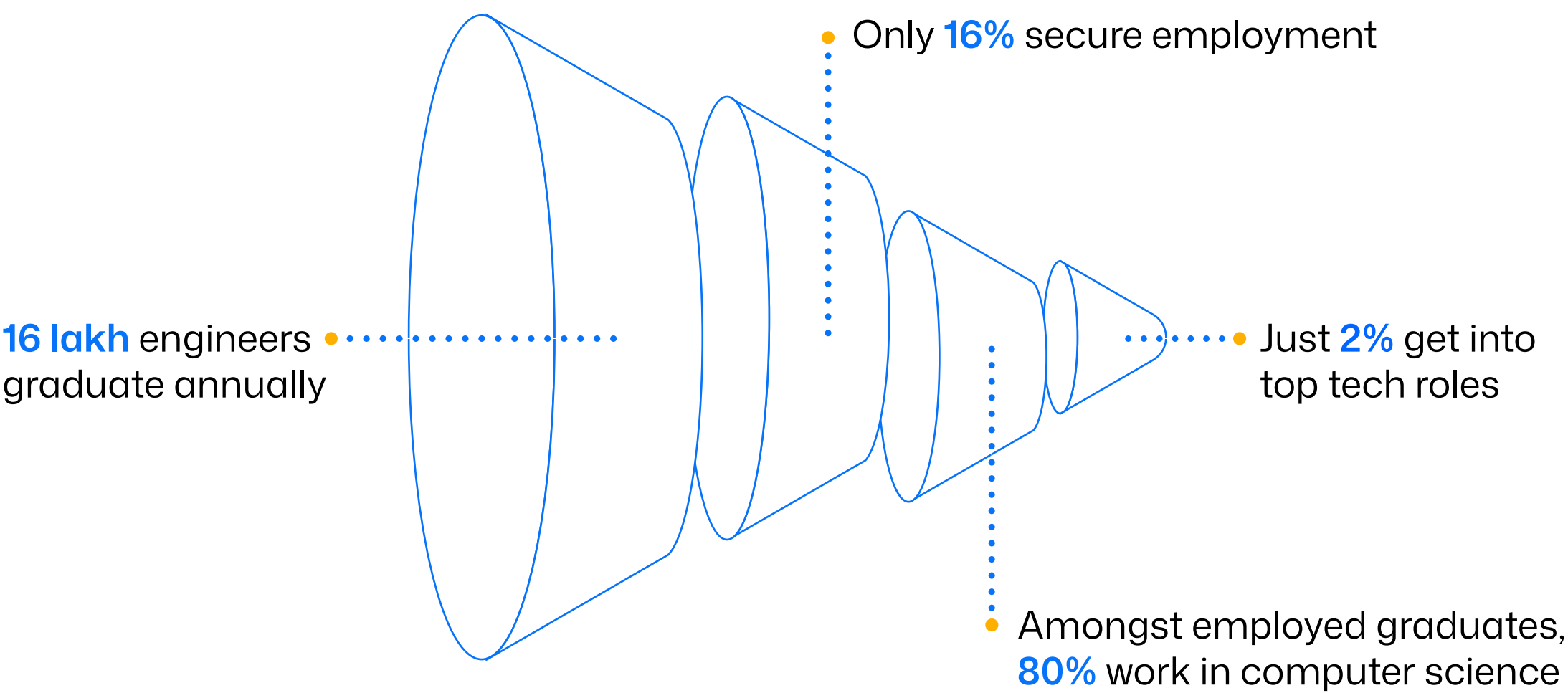
Introduced Newton School of Technology's Undergraduate Programme in India.

The Digital Revolution Awaits

Bridging India's Critical Tech Talent Gap

The digital revolution is accelerating, with India projected to create 9 Cr new tech jobs in the coming decade. However, traditional education isn't keeping pace:

The Current Reality:





Reinventing the Learning Process

At NST, we've redesigned technology education from the ground up. Rather than following traditional models, we focus on:



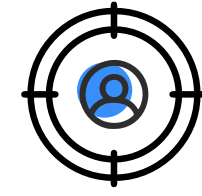
Practical, hands-on
skill development



Deep industry
connections



Global perspective
and exposure



Project-based learning
from day one



"Every student at NST transforms challenges into opportunities and redefines success."

Siddharth Maheshwari,
Co-founder-NST

Our mission is clear:

To transform passionate students into technology leaders ready to solve tomorrow's most pressing challenges.

Creating Industry-Ready Innovators

Note: These placements stats are from Newton School's online Full Stack Development & Data Science programs

98%
Placement Rate

Nearly all our students secure positions at top tech companies

800+
Hiring Partners

Including Google, Amazon, Flipkart, Zomato, and Meesho

1,000+
Industry Experts

Fueling growth for industry's top talent.

4,500+
Students Placed

A proven track record of success

VS

Traditional Programme

Cutting-edge, industry-driven curriculum aligned with the latest trends

Curriculum

Obsolete syllabus that's stagnant to this day

Immersive hands-on learning through real-world projects

Learning Style

Theory-heavy approach with limited practical exposure

1:1 mentorship with industry experts guiding your journey

Mentorship

Minimal career guidance with limited personal attention

Access to 800+ active hiring partners

Career Support

No structured hiring network

Internships providing real-world experience

Internships

Limited or no internships

Integrated industry training & live projects

Industry Integration

Few opportunities to tackle complex challenges

Global learning experiences with study opportunities worldwide

Global Exposure

Limited international perspective



Master The Future of Technology

A Curriculum Engineered for Tomorrow's Digital Frontiers:

Our curriculum is meticulously crafted in collaboration with industry experts and academic leaders to ensure our students are equipped with the skills to tackle not only the tech problems of today, but also those of tomorrow.

Year 1 | **Build**

Develop a strong foundation in computer science with hands-on projects that reinforce core concepts.

What you will learn
Web Application Programming
Web Development
Data Structures and Algorithms
Maths- Foundation and Advanced

Key Topics

- Python
 - ReactJS
 - Data Structures & Algorithms (DSA)
 - Responsive Web Design
- File Handling
 - Arrays
 - Dictionary
 - Searching
- API
 - UI/UX
 - Javascript
 - Maths for AI

Year 2 | **Innovate**

Expand your skills to create scalable, data-driven systems and explore the latest in technological innovation.

What you will learn	
Computer Science Core	Database Systems
Advanced Programming (OOP)	Maths-3 (Calculus, Linear Alg.)
Introduction to ML	Data and Visual Analytics

Key Topics

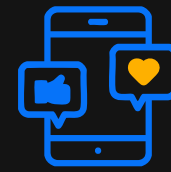
- Node.js
 - Backend Engineering
 - Dynamic Programming
 - Databases
 - Machine Learning
- Data Visualisation
 - Mathematics for CS
 - Backtracking
 - PostgreSQL
 - MongoDB

Year 1

Learn by building from day 1, strengthening your foundations in core CS concepts.



Build Gen-AI powered CRM platform.



Develop a dynamic and interactive social media feed.



Create a social media analyser with Python.



Kickstart a competitive programming journey.



Create your own portfolio website.



Start contributing to open-source projects.



Build interactive games.



Optimise trading strategies.

Year 2

You will learn to build data-driven complex systems that can scale.



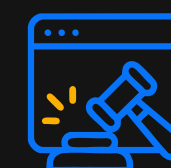
Optimise “Last-mile Delivery” route for a delivery app.



Participate in ICPC, GSoC competitions.



Build a news content recommendation app.



Implement real-time bidding platform.



Build a social app where users can update posts.



Create a secure user authentication system.



Finding vulnerabilities through ethical hacking.

Year 3 | **Achieve**

Gain industry-relevant experience through internships and prepare for a smooth transition into the technology industry.

What you will learn

Introduction to AI

Machine Learning

Computer Networks

Modern Computer Architecture

Deep Learning

Key Topics

- Design Patterns
 - System Design
 - Event-Driven Programming
 - Deep Learning
- Networks - OSI Model
 - Generative Pre-Trained (GPT) Models
 - RISC Architecture

Year 4 | **Succeed**

By year four, you'll apply your expertise and specialisation through a focused internship with a strong potential to transition into the industry.

What you will learn

Operating System

Computer Vision

Natural Language Processing

TOC/ Compiler/ Cyber Security

Key Topics

- Operating System
 - Natural Language Processing
 - Computer Vision
 - Cyber Security
- NLTK/ spaCy/ n-Grams
 - OpenCV
 - Capstone Project

Year 3

In your 5th semester, you'll start building and maintaining real-world solutions that reflect the needs of the industry.



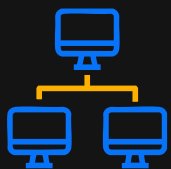
Build a mega auction app.



Make a live-streaming app that can scale.



Build collaborative apps like Google Docs.



Explore how to understand and fix a computer network.

Year 4

The 8th semester will be your industry internship, and by then, you will have a tool-kit to become an entrepreneur



Create a Virtual Try-on app like Myntra.



Prepare for top tech companies.



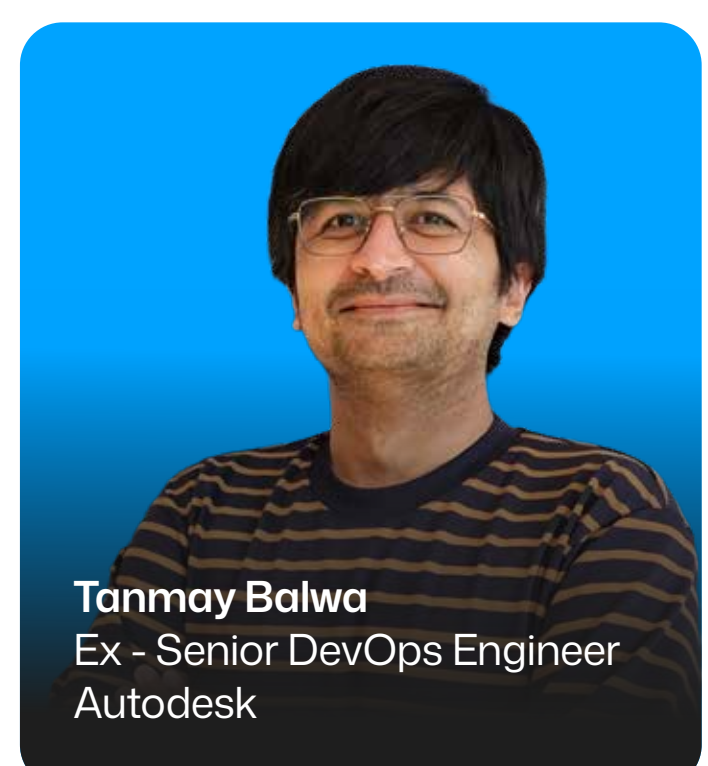
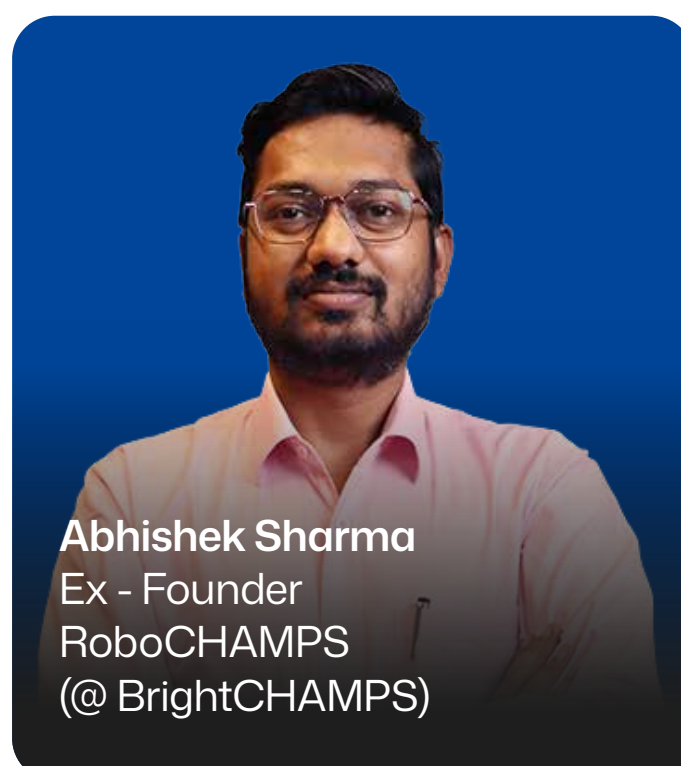
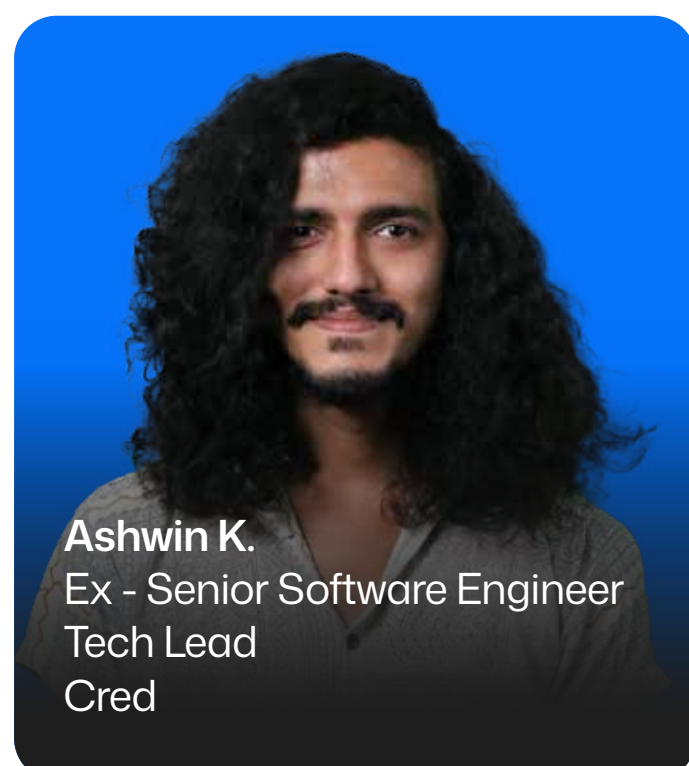
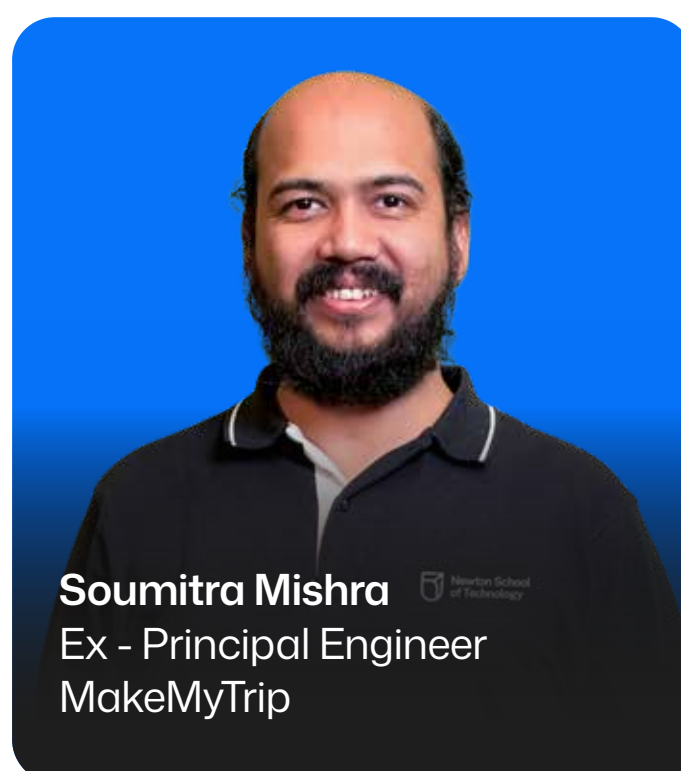
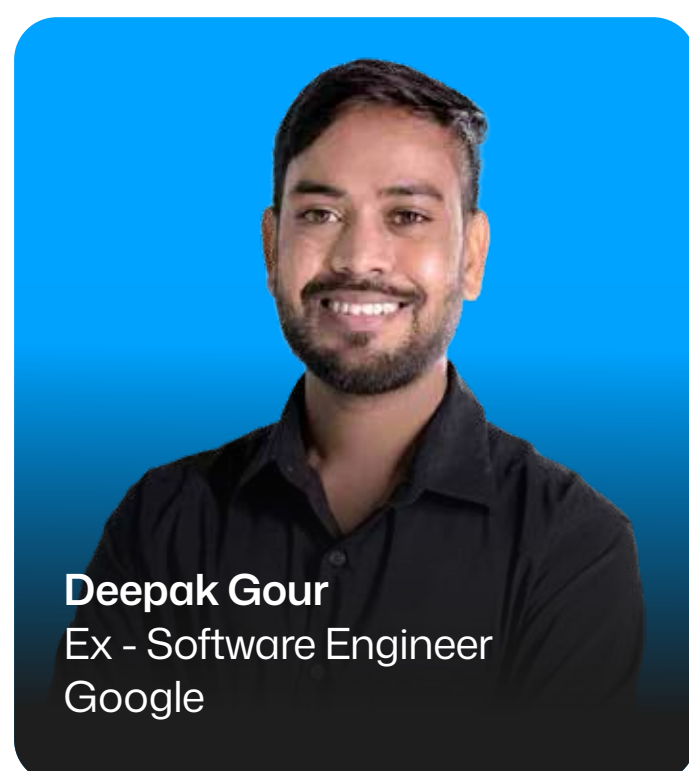
Build your own drone /robots.

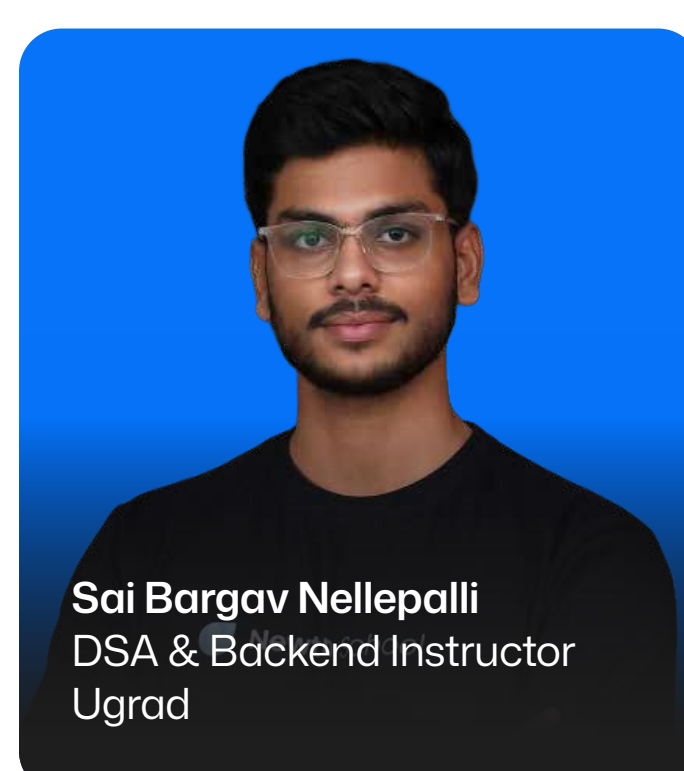
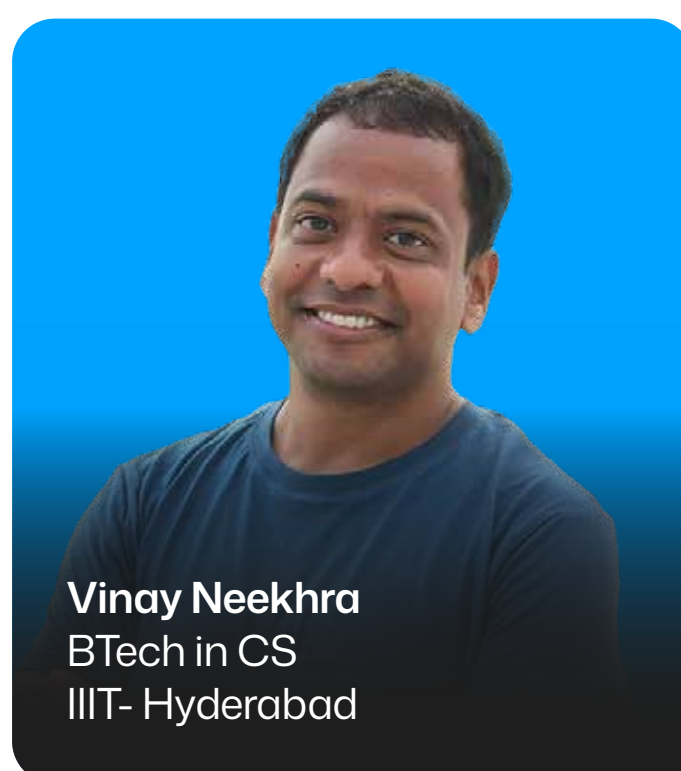
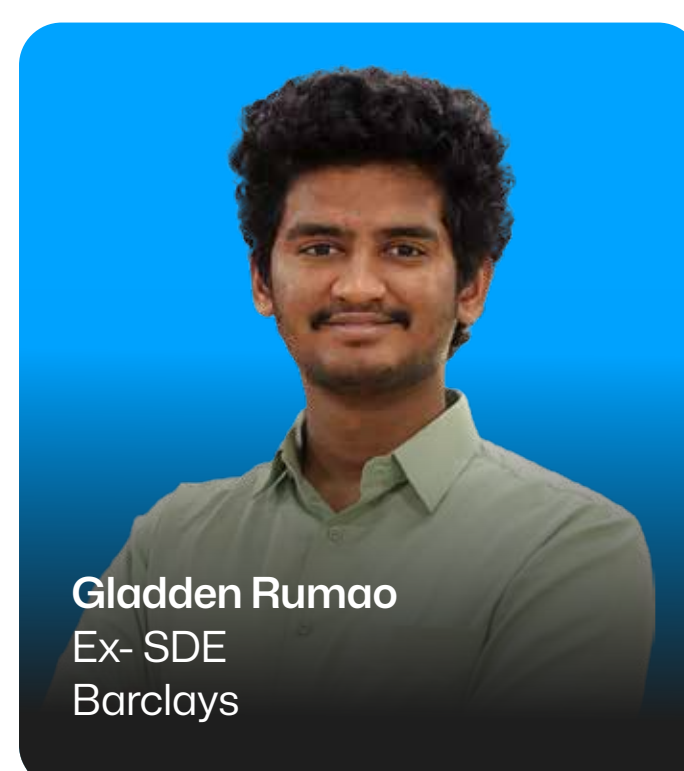
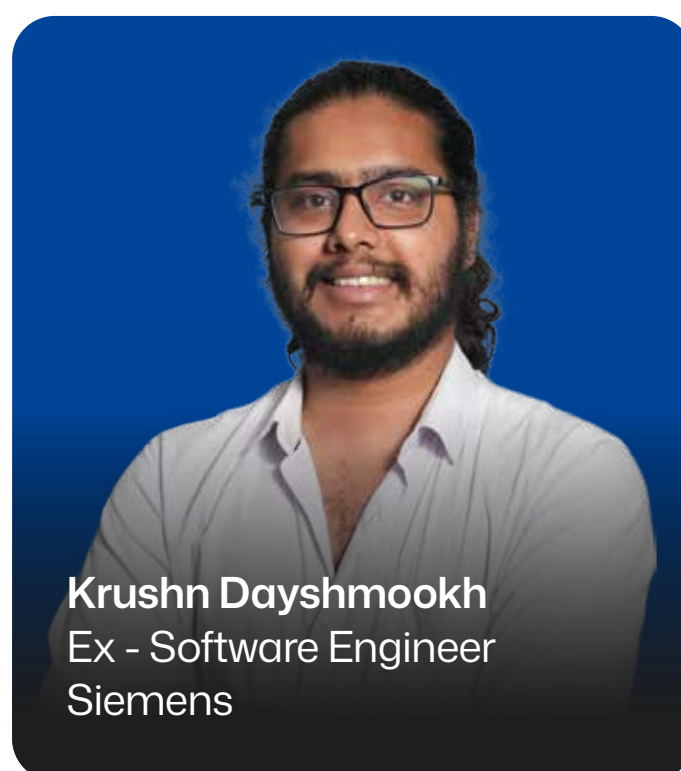
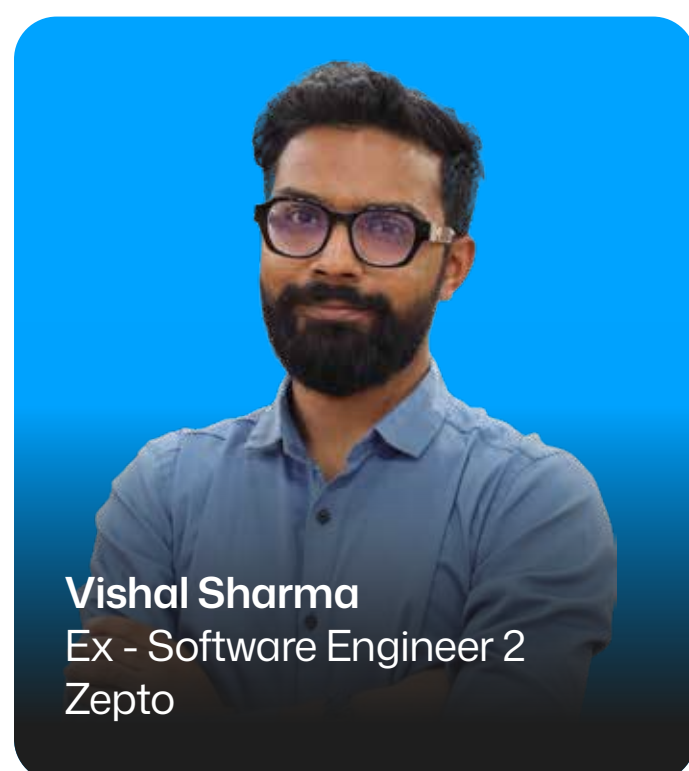
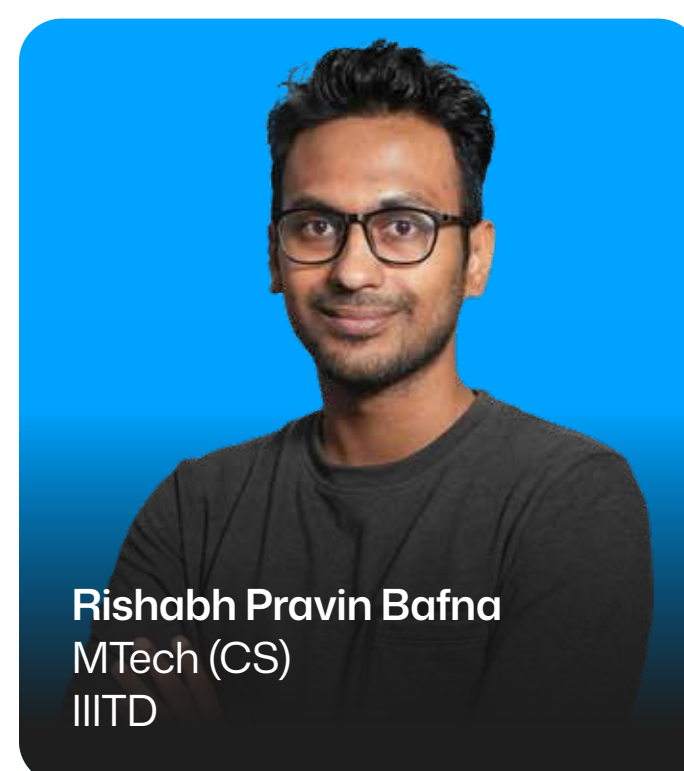
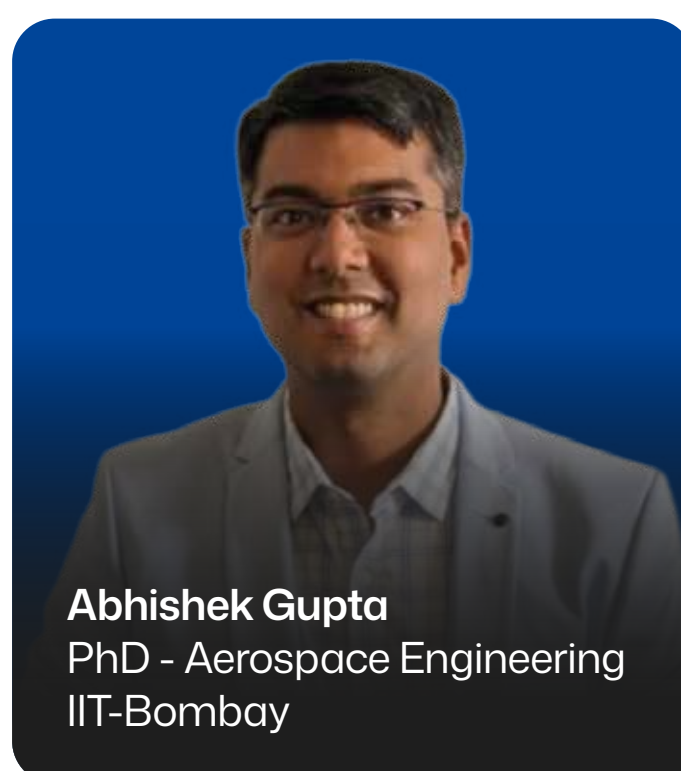
Learn From Industry Pioneers

Mentorship That Shapes Excellence

At Newton School of Technology, you'll learn from industry leaders, seasoned professionals, and academic experts who have shaped successful careers and groundbreaking technologies. Our mentors have built scalable systems,

nurtured unicorns, and led billion-dollar enterprises. With their guidance, you'll gain insights and skills that are directly applicable in the ever-evolving tech landscape.





Immersive Industry Internships

We believe hands-on experience is crucial for building job-ready skills. Our commitment to practical learning ensures that every student completes a paid internship by their second year.

Our first-year students secure impactful paid internships, gaining industry exposure early in their academic journey. Many students go beyond by completing dual internships, demonstrating their dedication and growing expertise.

93% of Students Completed Internships with Top Companies



Razorpay

sarvam.ai

ALLEN
DIGITAL



**PHYSICS
WALLAH**



Zoomcar
Never Stop Living



ISB



Building Your Professional Portfolio

Our students have proven their exceptional abilities by excelling in prestigious global programmes:

ICPC Success

Our 2023 batch of students (Priyanshu Jangra, Sai Kiran Bompelliwar, and Amod Ranjan) secured a regional **rank of 112** in the **ICPC** (International Collegiate Programming Contest), outperforming many third and fourth-year IIT students.

Participants of the ICPC are sought after by some of the biggest tech companies in the world and usually go on to make remarkable contributions to the tech industry or even start their own disruptive tech firms.



Google Summer of Code

Six of our students have been selected for Google Summer of Code (GSoC) – one of the world's most prestigious open-source programmes. Through GSoC, they're interning with global brands, building real-world software, and contributing to impactful tech projects.

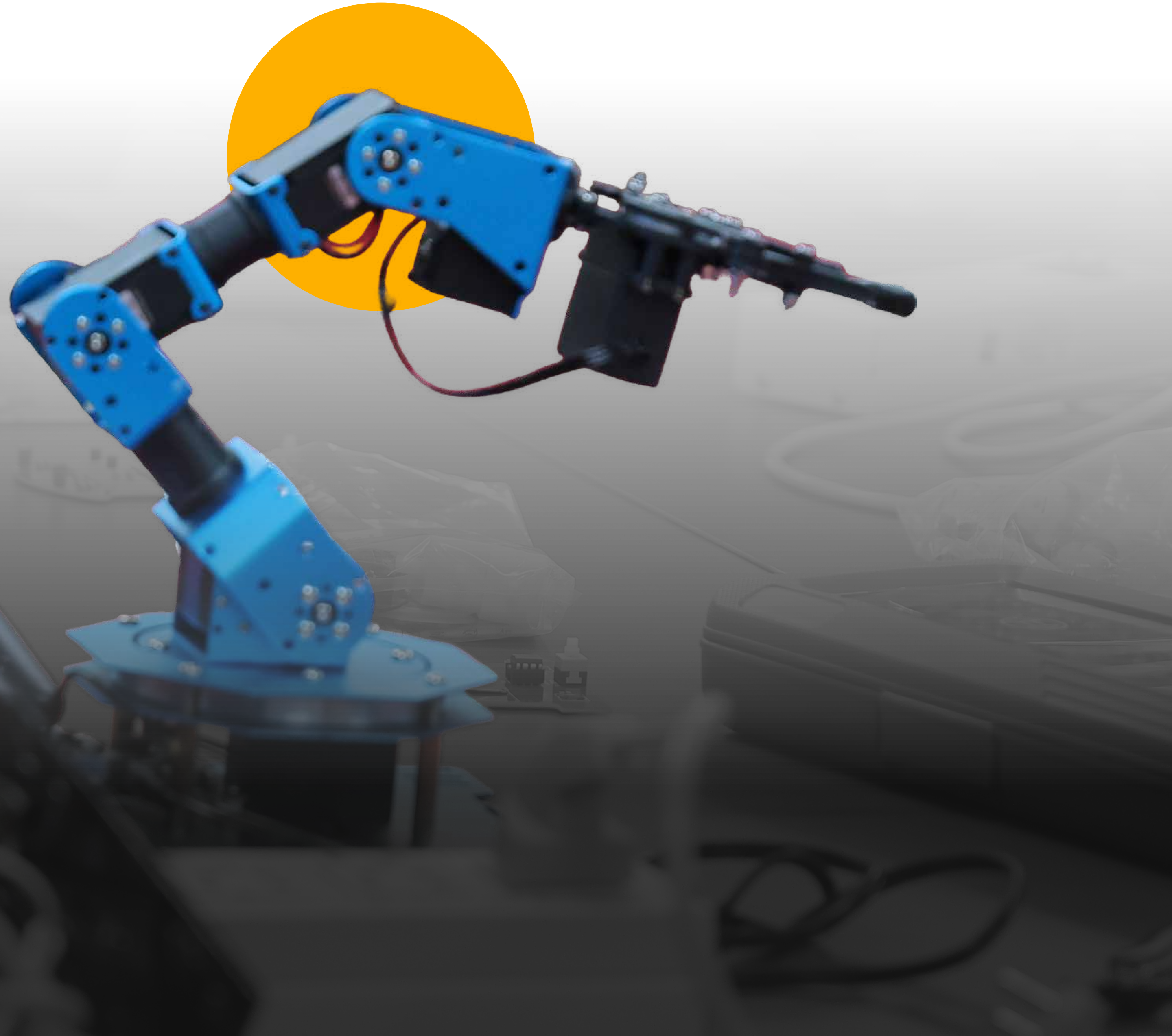


Mehak Jain, Agnik Misra, Ashu Choudhary, Birajit Saikia, Krishna Dave, and Yakshit Savaliya secured internships with a stipend of ₹2.50 L through **Google** Summer of Code 2025.



Beyond the Classroom

At Newton School of Technology–Rishihood University, learning doesn't end when lectures do. Our campus is a launchpad for leadership, exploration, and building things that matter through clubs, competitions, social impact, and global exposure.



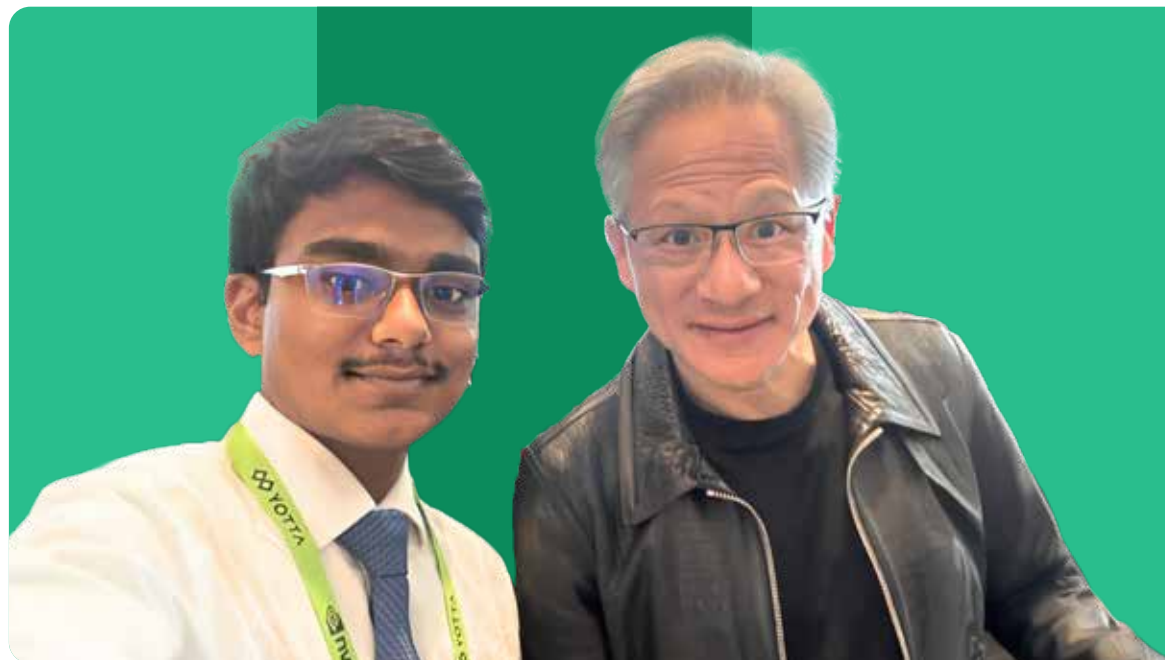
From Local to Global Opportunities

Harvard HPAIR 2025

Ananya Soni (Second-Year Student) selected as a delegate for an all-expense-sponsored trip to Harvard University, Boston, USA.

HPAIR 2024

Students from the 2023 batch attended an all-expenses-paid trip to Thailand as delegates.



Nvidia AI Summit

Students engaged with top industry leaders, like Jensen Huang, exploring Generative AI and Robotics through immersive, hands-on workshops.



AIESEC International Internships

Kartik Madaan, Parv Goyal, Vedant Satbhai, Prateek, and Raghavendra secured internships in Sri Lanka, Egypt, and Vietnam.

XR Creator Hackathon

Two NST teams were selected to participate in this prestigious global event.



IEEE Competition

NST Students Ranked Top 7% Globally in IEEEExtreme (1280 among 19916 participants), and the other 3 teams have also globally ranked within the top 8%, 10%, and 15%, respectively.

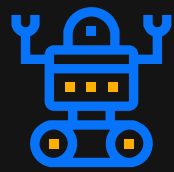
Amazon Smbhav Hackathon

Our students earned a coveted spot at this event, competing at the national level with bold ideas and sharp problem-solving skills.

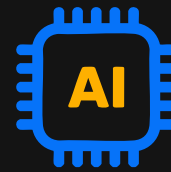


Student-Led Clubs

Student-led clubs at Newton School of Technology are engines of creativity, collaboration, and innovation. It empowers students to turn ideas into prototypes, fostering real-world problem-solving skills and technical excellence.



The **Robotics Club** proves that real engineering happens when students take charge. From the basics to Arduino and ESP32, they learn about electronics, coding, and mechanics in an engaging and fun manner.



The **AI Club** is a space for students exploring the frontiers of AI through hands-on projects, collaborative learning, and peer-led workshops.



The **Software Development Club, Competitive Coding club & Google Developer Club** are where students sharpen their programming skills, contribute to global open-source communities, and build projects.



In the **Dance Club**, students learn and perform different dance styles, from classical to contemporary. Regular performances and competitions are hosted to help them express themselves, stay fit, and build confidence.



The **Society for Astrophysics and Space Technology (SAST)** fuels student curiosity in astronomy and aerospace engineering through hands-on projects, like designing a 3D satellite model.

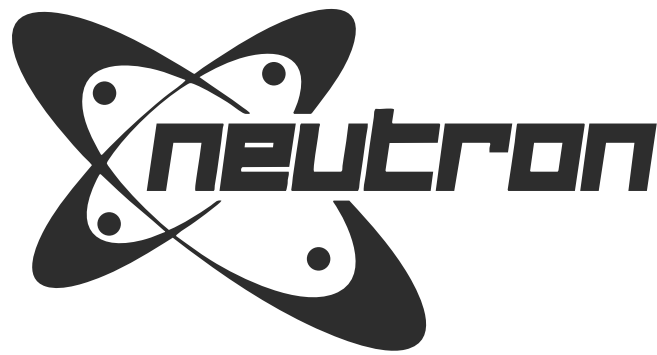


The **Sports Club** encourages students to be active and energetic through physical fitness and teamwork in games like football, cricket, and badminton. Students join tournaments and regular practice sessions.





Neutron: India's First New-Age Tech & Cultural Innovation Fest



Neutron brings together tech enthusiasts and creative minds for a unique blend of innovation and entertainment. As India's first new-age tech and cultural fest, it showcases cutting-edge technology, creative performances, and collaborative projects, fostering a vibrant community of innovators and leaders.

1700+

Registrations

1100+

Footfalls

150+

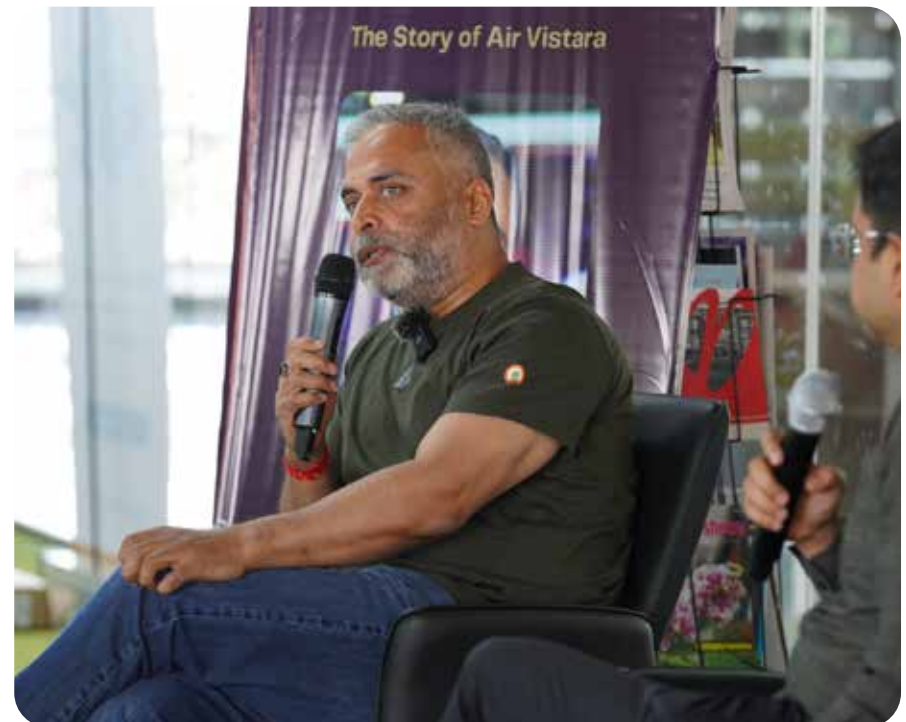
Drones

₹10 Lakhs+

Prize pool

₹5.5 Lakhs+

Sponsorships



International Immersion Programme

NST Study Track in CHINA

Nine selected students participated in an intensive international immersion experience in China, designed to blend global exposure with advanced tech learning and cultural enrichment. Over 100 hours, students engaged in 19 meticulously planned activities, including:

Academic & Cultural Exploration:

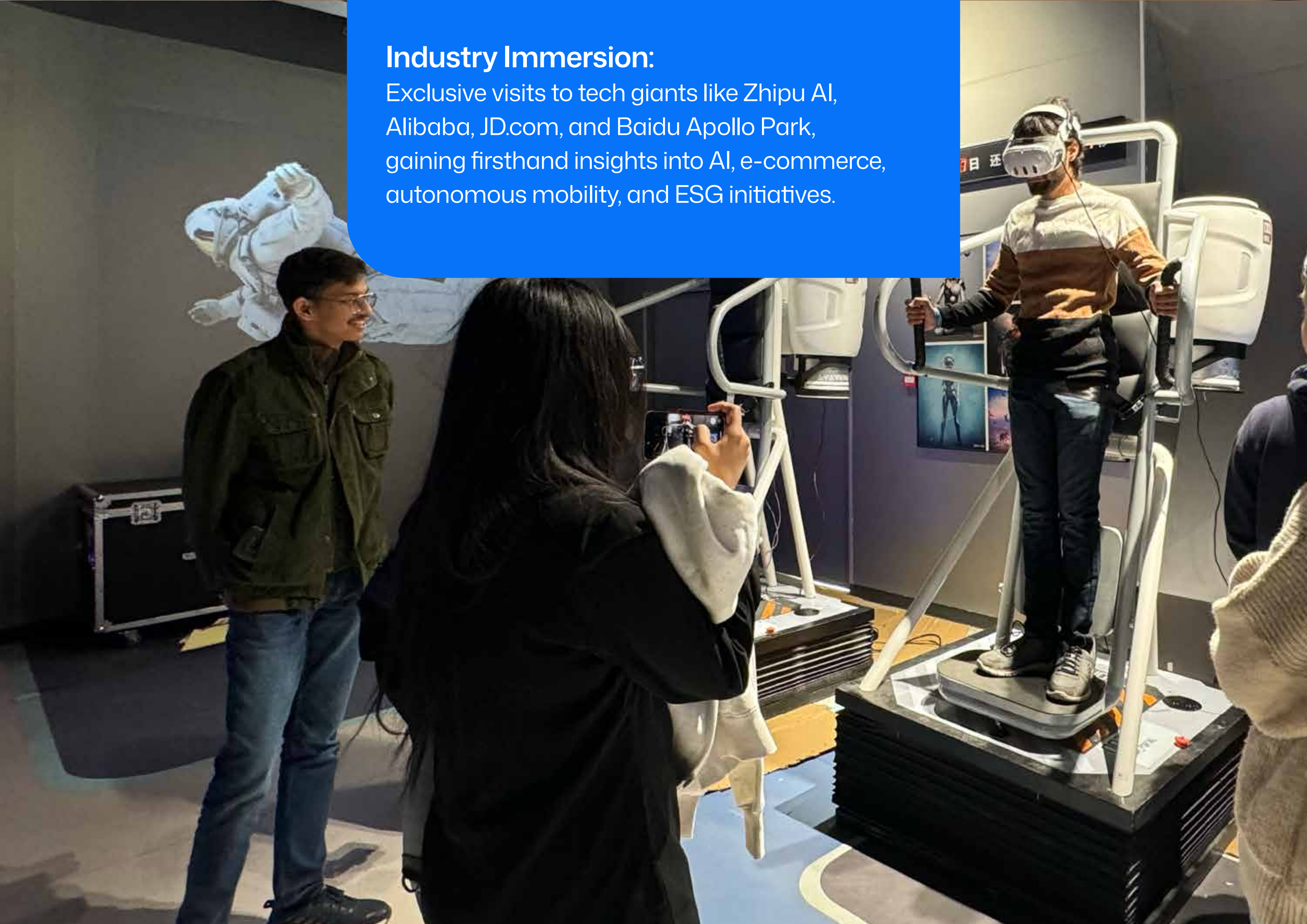
From an academic visit to Beijing Foreign Studies University to a walk along the Great Wall of China, students experienced a rich blend of learning and culture. A surprise snowfall at the Summer Palace added a magical touch.





Expert Sessions:

Masterclasses and panel discussions with industry leaders from companies like Alibaba Cloud, AWS China, and Deepseek expanded students' understanding of cutting-edge technologies, including AGI, biotech, and Media-Tech.



Industry Immersion:

Exclusive visits to tech giants like Zhipu AI, Alibaba, JD.com, and Baidu Apollo Park, gaining firsthand insights into AI, e-commerce, autonomous mobility, and ESG initiatives.



International Immersion Programme

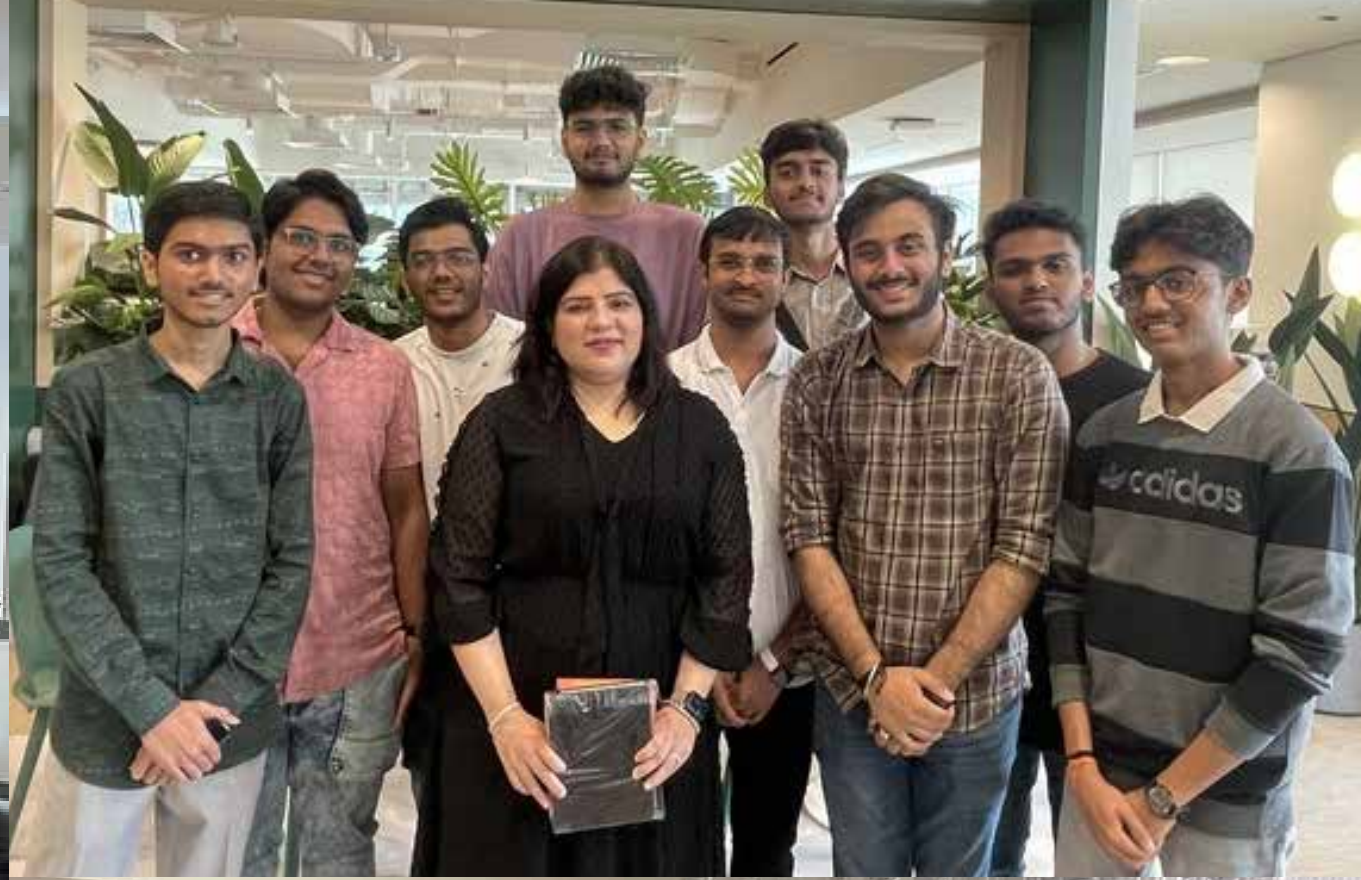
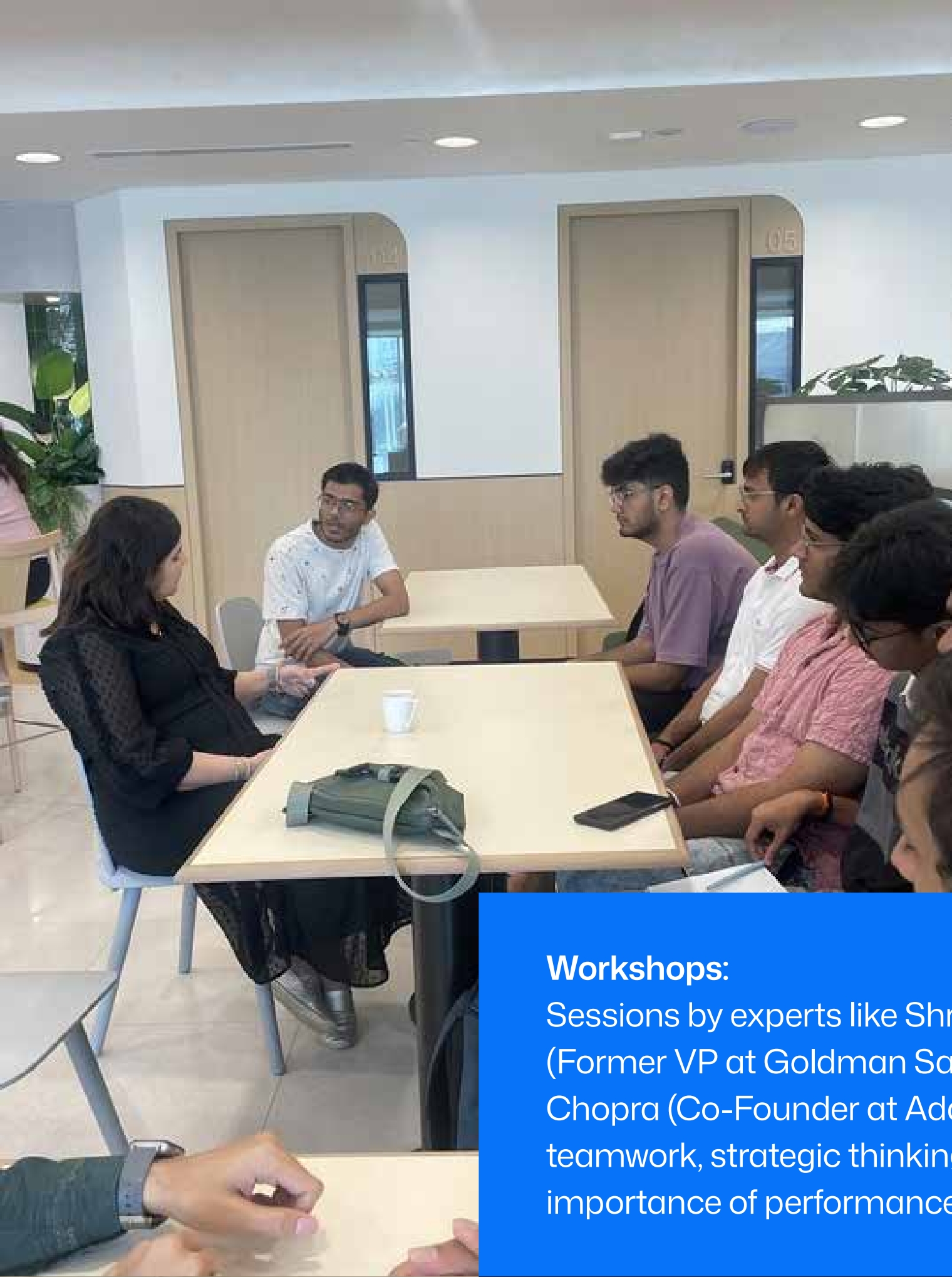
NST Study Track in Singapore

In just six days, NST students underwent a life-changing international immersion in Singapore, blending intense learning with unforgettable experiences. This dynamic trip offered first-hand exposure to global tech ecosystems, real-world startup culture, and cutting-edge education systems.



Cultural Exploration:

From city tours to late-night Merlion runs and thrilling roller coaster rides at Universal Studios, students enjoyed moments that bonded them for life.



Workshops:

Sessions by experts like Shradha Chhaparia (Former VP at Goldman Sachs) and Tina Chopra (Co-Founder at Addlilly AI) emphasised teamwork, strategic thinking, and the importance of performance-driven education.

Industry Insights:

Students engaged with tech professionals, including former CTOs and startup founders, gaining a clear picture of how global tech leaders think and execute.





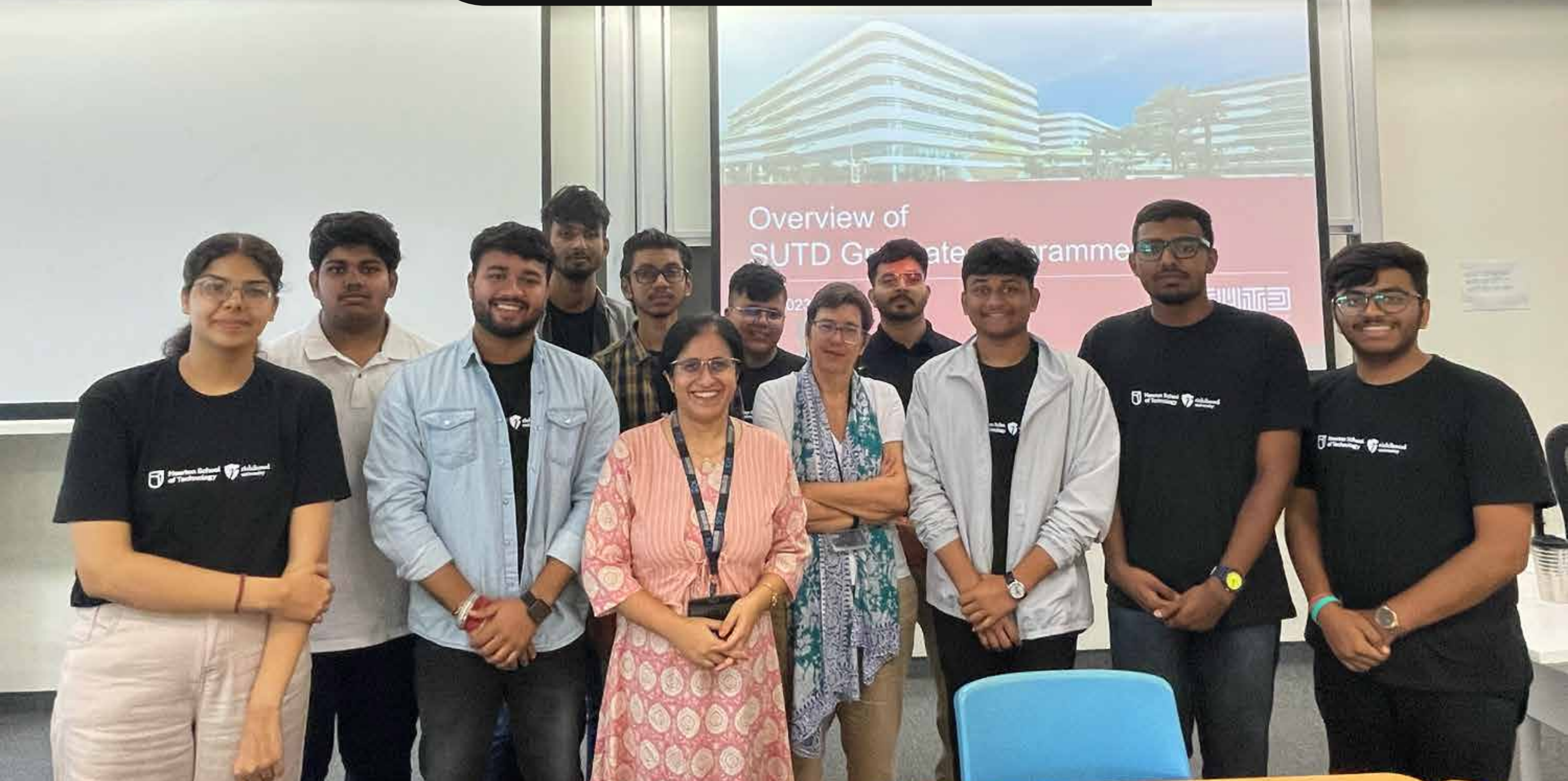
Inspiring Mentorships:

Conversations with top leaders like Brian West (CEO, Graviton) and Gaurav Bubna (Founder, Nextbillion.ai) reshaped students' career outlooks, emphasising growth, learning, and execution.



Academic Synergy:

A visit to the Singapore University of Technology and Design (SUTD) showcased the power of application-based learning, mirroring NST's own philosophy.





GoForGold Initiative

Despite being a global technology powerhouse that produces millions of software engineers annually, India has yet to win a gold, silver, or even bronze medal at the International Collegiate Programming Contest (ICPC) World Finals. This represents one of the greatest untapped opportunities for our nation to demonstrate its intellectual capacity on the world stage.

At NST, we're determined to change this narrative. Our GoForGold initiative is more than just a training programme—

it's a mission to fulfil India's unrealised potential in competitive programming.

A Matter of National Pride

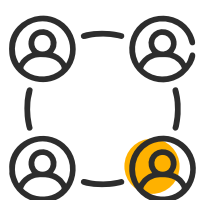
When our students compete in global arenas, they represent the aspirations of 1.4 billion Indians. Each line of code written and each problem solved is a step toward establishing India as a true programming superpower, not just in industry but in academic excellence.

The day India's flag rises at the ICPC World Finals isn't just a dream—it's our mission, and with NST's GoForGold initiative, it's only a matter of time.



Our GoForGold programme has trained close to 600 of the best coders from institutions like IIT, SST, BITS Pilani, Amritapuri and more.

Features



Team Development:

Building cohesive teams that complement each other's strengths.



Expert Mentorship:

One-on-one guidance from champions who have stood where our students aim to be.



Specialised Training:

Advanced algorithm workshops and problem-solving bootcamps.



International Practice:

Regular participation in global competitions to build experience.

OurGoForGold Elite Mentorship Team



AmirReza Pourakhavan

2x ICPC World Finalist
International Grand Master



Shreyan Ray

IOI Silver Medalist
ICPC World Finalist
International Grand Master



Deepak Gour

ICPC World Finalist



Ashwin K

ICPC World Finalist



Himanshu Singh

ICPC World Finalist,
Grandmaster



Vivek Gupta

ICPC World Finalist,
Master on CodeForces,
7 Star on CodeChef



Jaskaran Singh

ICPC World Finalist,
Master on CodeForces



Aryan Choudhary

2x ICPC World Finalist,
Grandmaster on CodeForces



Gaurish Baliga

Master on CodeForces



Priyansh Agrawal

ICPC World Finalist



Utkarsh Gupta

2x ICPC World Finalist,
Grandmaster



University Collaboration

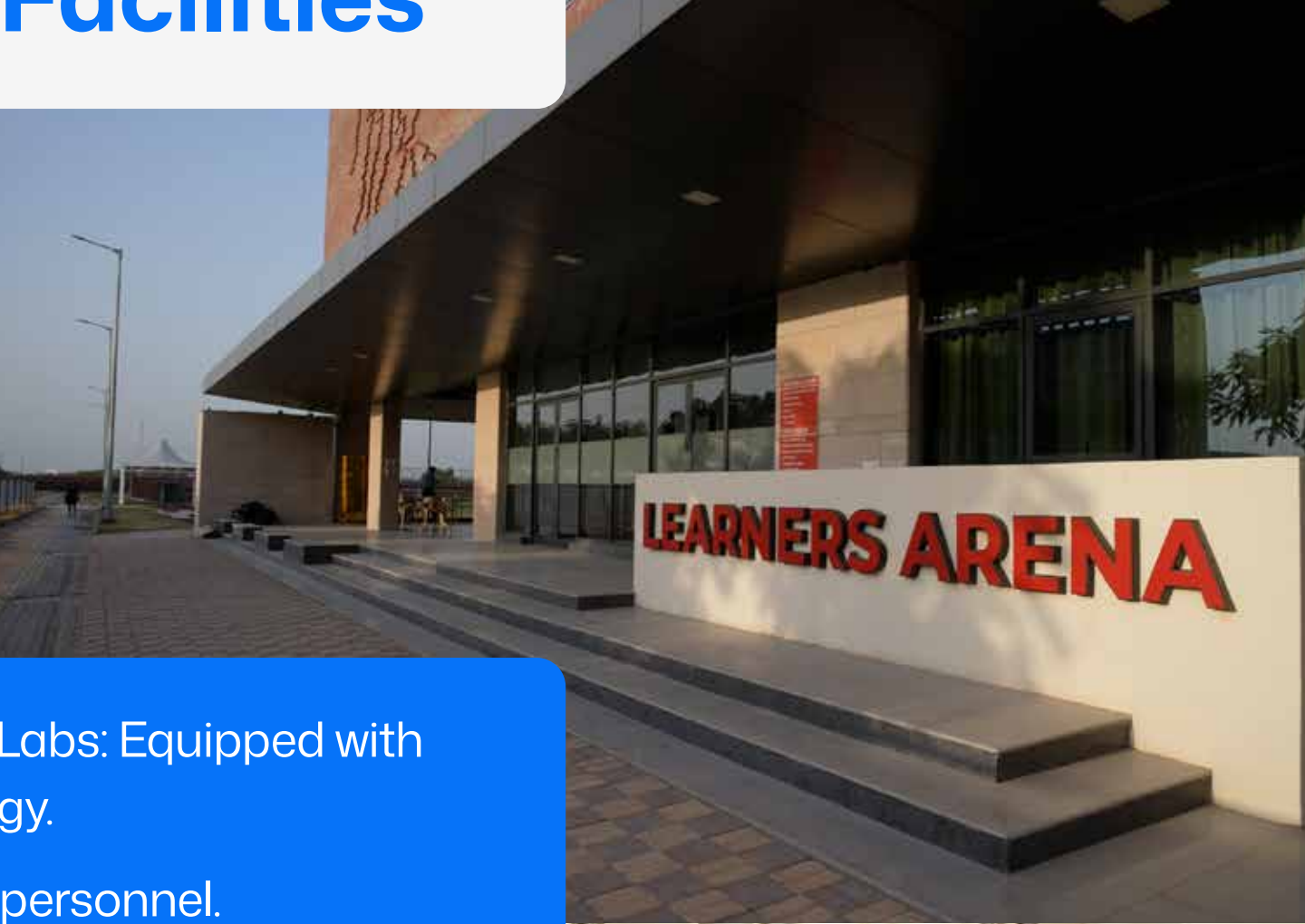


Rishihood University, located in Delhi NCR, is India's first and only impact university, dedicated to creating leaders who drive meaningful change in society. By blending Indian values, global perspectives, and futuristic education, Rishihood empowers students to become visionary leaders, innovators, and problem-solvers.

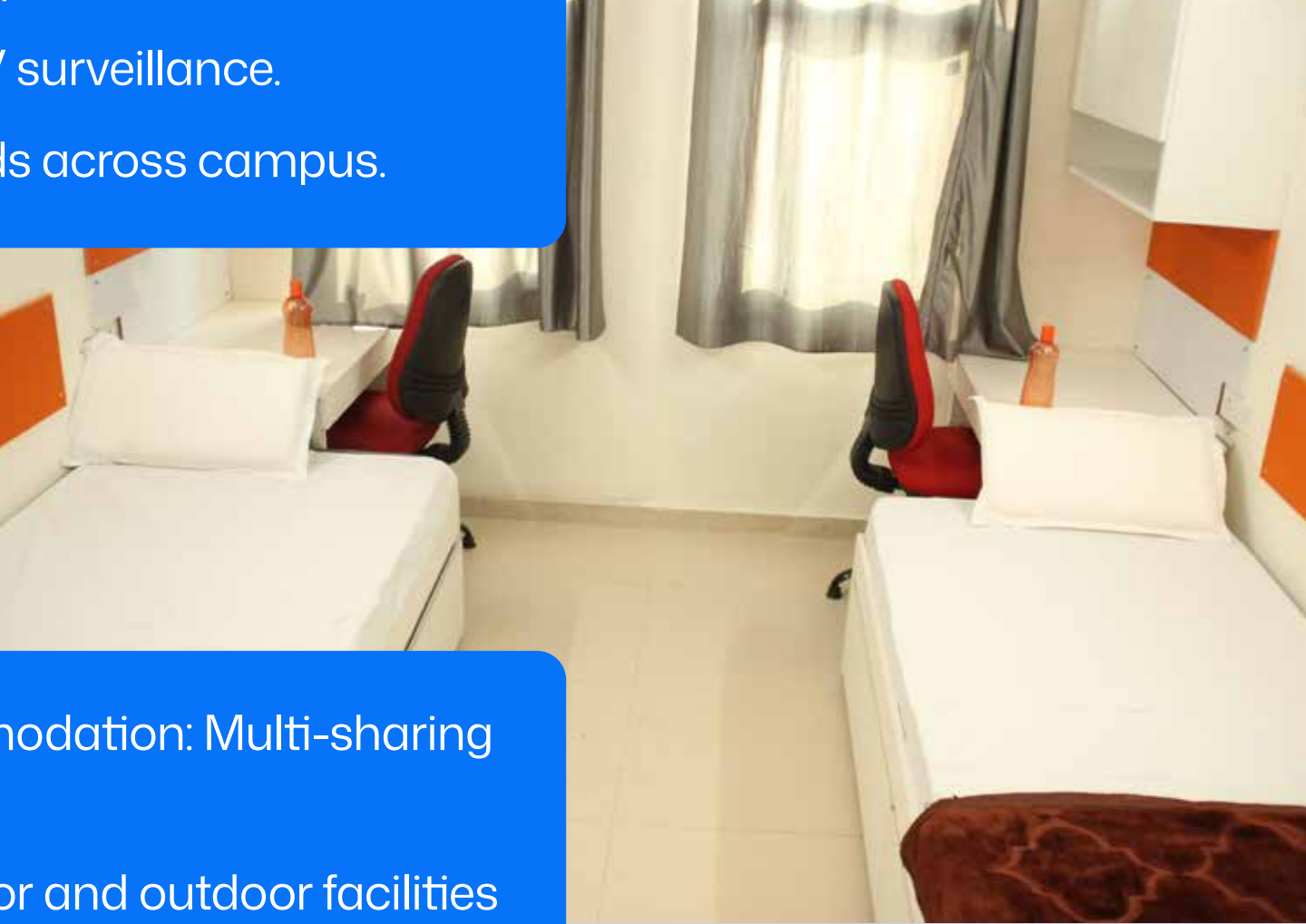




Campus Facilities



- Smart Classrooms & Labs: Equipped with cutting-edge technology.
- 24/7 campus security personnel.
- Comprehensive CCTV surveillance.
- High hygiene standards across campus.



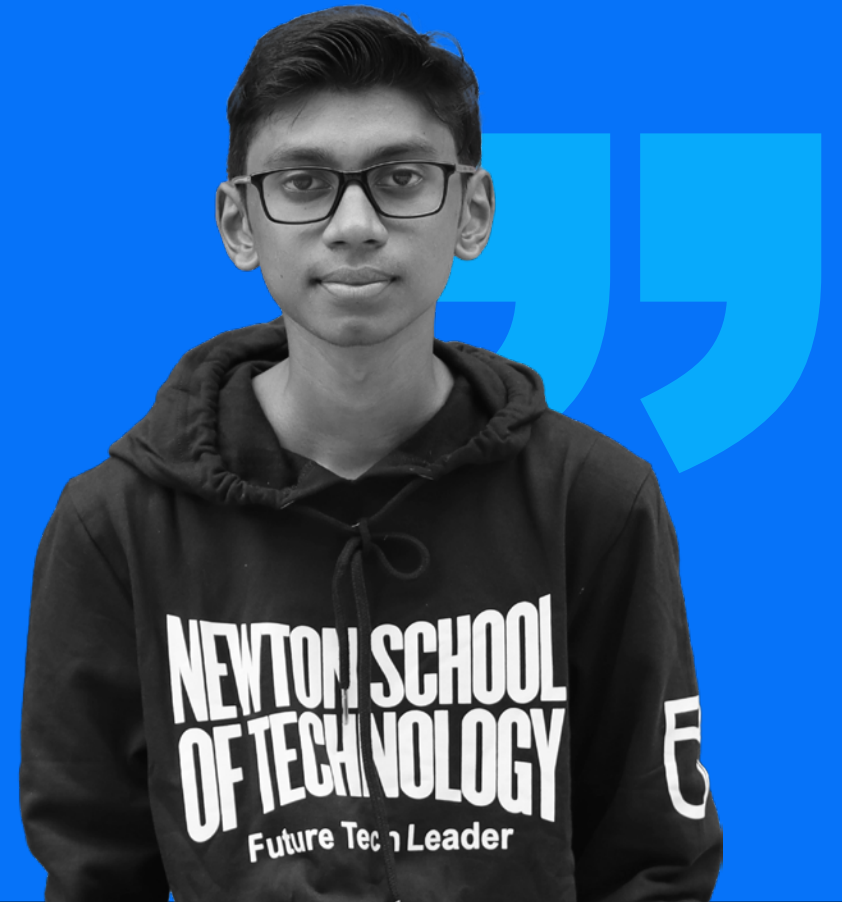
- Comfortable Accommodation: Multi-sharing AC rooms.
- Sports Complex: Indoor and outdoor facilities for diverse activities.
- Well-established emergency protocols.
- Round-the-clock student support team.



Cracked IIT. Chose NST

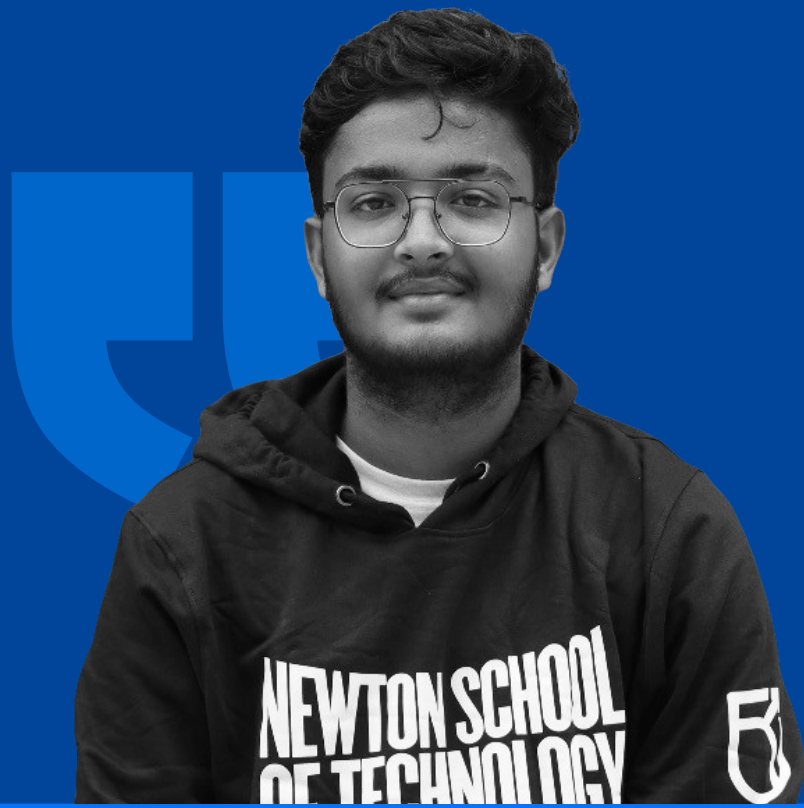
"What truly satisfies me is pursuing my passion rather than following a conventional path. Initially undecided between IIT or UPSC, my growing passion for Computer Science led me toward it. Despite securing a spot in NIT Roorkee, I realised I would have to spend years on subjects I wasn't passionate about. That's when I chose Newton School of Technology, where I could focus on coding, Python, DSA, and web development from day one. At NST, the emphasis is on practical, industry-based learning with constant faculty support. My experience here has been incredibly fulfilling, and I now know that true success comes from pursuing what you love, not just chasing a degree or a tag."

— Murali Madhav, NST Student



"For me, success isn't about a prestigious college name, but the skills I develop and the career I build. Despite securing a JEE Advanced Rank of 5669 and having the option to join IIT, I chose Newton School of Technology because it aligned with my passion for coding and mathematics. NST focuses on real-world skills from day one, offering hands-on experience and expert mentorship. I don't regret my choice because it's not about where you study but what you learn and how you apply it in the real world."

— Vaiditya Tanwar, NST Student



"Cracking JEE Advanced with an AIR of 7,953 was a proud moment, but I wasn't getting the CS specialisation that I was truly passionate about at IIT. But when I discovered NST, everything changed. From the very first day, I was building real-world projects, coding, and learning by doing. NST gave me access to startup clubs, helped me launch events like Code Wars with 950+ participants, and even gave me the space to develop my own startup ideas. Being surrounded by mentors, faculty, and visiting VCs like Prateek Poddar and Varun Mayya was truly an inspiring experience. For me, NST isn't just a college, it's a launchpad for the future."

— Harshit Jain, NST Student



These stories represent just a small sample of the many talented students who chose NST despite having offers from IITs, NITs, and prestigious international universities. Their decisions weren't made lightly—they recognised that in today's rapidly evolving tech landscape, the practical, industry-focused education at NST would better prepare them for future success than traditional theoretical approaches.



Eligibility & Admissions

- Completed Class XII with Physics, Chemistry, and Mathematics from a recognised board in 2025 or 2026.
- Secured over 50% in PCM and overall board exams, and passed all subjects in the 12th board.
- Cleared the NSAT (Newton Scholastic Aptitude Test).
- Cleared the Personal Interview round.
- Demonstrated skills, knowledge, and passion for technology.

Admission Process

- 1 Sign up on our website**
Fill out the application form with personal information.
- 2 Take the NSAT Entrance Test**
Complete the 180-minute assessment covering General Aptitude, Mathematics, & English.
- 3 Personal Interview Round**
Schedule an online personal interview after qualifying in NSAT.
- 4 Counselling & Admission**
Appear for on-campus counselling after clearing the interview.
- 5 Enrollment**
Follow the instructions in the admission letter and submit required documents and fees.

Scholarship Opportunities

At NST, we believe that financial constraints should never stand in the way of talent, ambition, and academic excellence. Our wide range of merit-based and need-based scholarships are designed to support deserving students in their educational journey. Whether you're a top performer, a promising leader, or someone who simply needs a financial boost, we're here to help you focus on what matters most—your future.



Merit-Based Scholarships:

Up to 100% waiver on first-year tuition fees based on NSAT & interview performance



Young Women Leader Scholarship:

Up to 10% waiver on tuition fees across all 4 years for exceptional female candidates



Extraordinary Achievement Scholarship:

Up to a 10% tuition fee waiver across all 4 years for district or higher-level sports, national or international Olympiads, competitive exams, or standout coding and tech projects

Explore flexible financing options with India's top education financing platforms and banks for smooth support throughout your course. The following financial partners can provide loans for up to 95% of the programme fees to the admitted students.



What You'll Achieve After NST

- A UGC-recognised B.Tech. degree in CS & AI from Rishihood University.
- NSDC-recognised certifications endorsed by global tech companies.
- A portfolio of products and projects that have real-world applications.
- Hands-on experience from multiple internships.
- A network of industry connections and fellow innovators.
- The confidence and skills to excel in an AI-driven world.

More Than a Degree

At this point, we have introduced you to our foundation, our industry-driven curriculum designed for tomorrow's challenges, our exceptional placement record that speaks for itself, and our students' global achievements that put India on the world stage. You've met our world-class mentors who have built billion-dollar enterprises and heard from students who chose passion and purpose over conventional paths. You've discovered our commitment to practical learning through internships and our strategic partnership with Rishihood University. Now, it's your turn to become part of this story of innovation and transformation.

An Investment That Lasts a Lifetime

Year-on-Year Fee Structure Breakdown - 2025

Academic year	Fee Amount (₹)
Year 1	₹ 6,60,000
Year 2	₹ 6,60,000
Year 3	₹ 5,40,000
Year 4	₹ 5,40,000
Total	₹ 24,00,000

* Fees structure for academic year 2026 will be updated soon

* Including One-time Seat Block fee:
Additional ₹50,000 (Non-Refundable) to be paid at the time of enrolment.



Join India's Tech Revolution

The 9 crore new tech jobs of the next decade won't just be filled—they'll be shaped, and led by people like you. NST graduates don't just participate in the future; they engineer it.

The question isn't whether technology will transform our world. The question is: Will you be among those leading the transformation?
Your journey from student to innovator begins with a single step.

Here to revolutionise tech education in India





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