



India's First Industry-Focused

B.Tech Programme

CS (AI &ML)

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 & Al 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 Al 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



Dr. Ajeenkya D Y Patil President, Ajeenkya DY Patil University

"At Ajeenkya DY Patil University (ADYPU), we take pride in our collaboration with Newton School of Technology (NST) to deliver a cutting-edge technology education experience. NST brings an industry-driven approach to learning, seamlessly integrating technology into academics and campus life. Through expert mentorship and strong industry collaborations, NST is equipping students with the skills needed to excel in the evolving tech landscape, and we are proud to support this transformative journey."



Dr Rakesh Kumar Jain Vice Chancellor, Ajeenkya DY Patil University

"Ajeenkya DY Patil University welcomes the collaboration with Newton School of Technology, a leader in industry-driven tech education. NST's innovative and hands-on approach is setting new benchmarks in the field, and together, we are building an ecosystem where students gain the skills, knowledge, and experience to excel in the global tech landscape. This collaboration reflects our shared commitment to empowering the next generation of innovators and industry disruptors."



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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

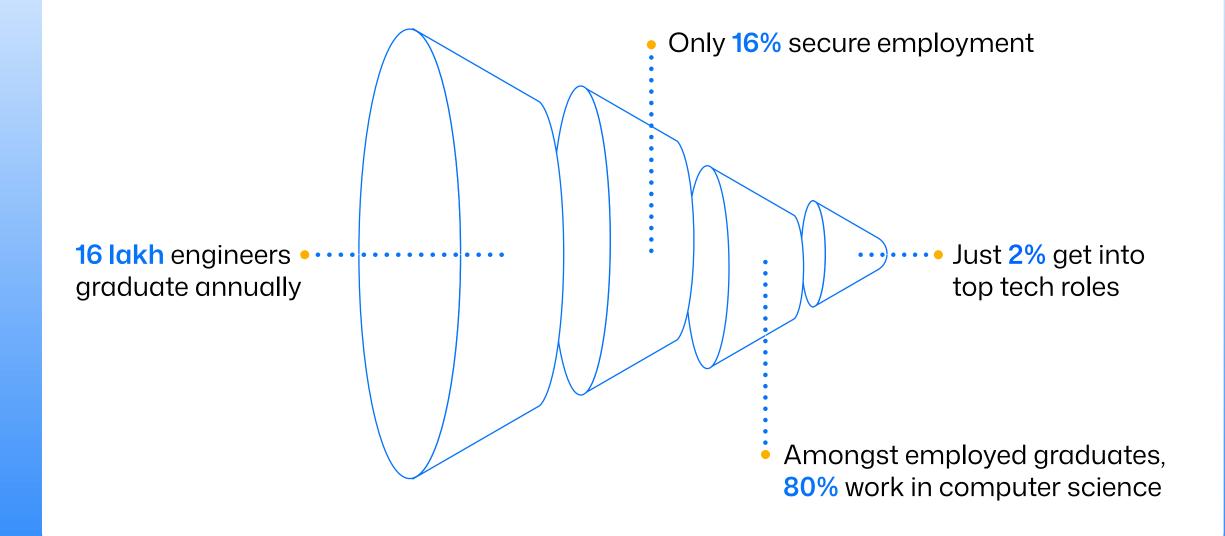
Introduced Newton School of Technology's Undergraduate Programme in India.

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

Newton School of Technology	VS	Traditional Programme	
Cutting-edge, industry-driven curriculum aligned with the latest trends	Curriculum	Obsolete syllabus that's stagnant to this day	
lmmersive 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 Iimited personal attentio		
Access to 800+ active hiring partners		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	

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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 Al

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



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



Build Gen-Al 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.





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 Al

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



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.





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.



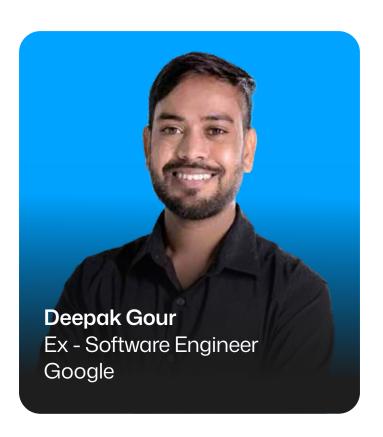
Build your own drone /robots.

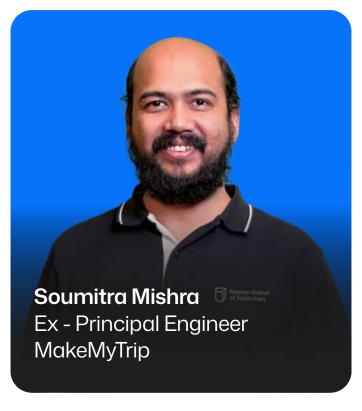
Learn From Industry Pioneers

Expertise That Shapes Excellence

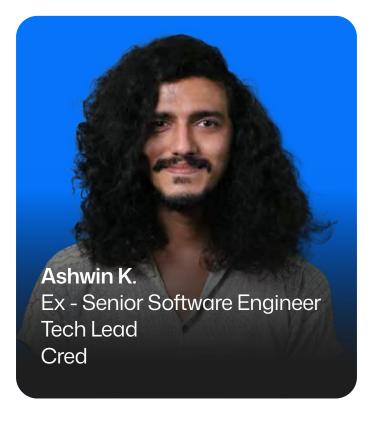
At Newton School of Technology, you'll learn from industry leaders, seasoned professionals, and academic experts who have shaped successful careers and groundbreaking technologies. Our mentors have built scalable systems, nurtured unicorns, and led billion-dollar enterprises. With their guidance, you'll gain insights and skills that are directly applicable in the ever-evolving tech landscape.











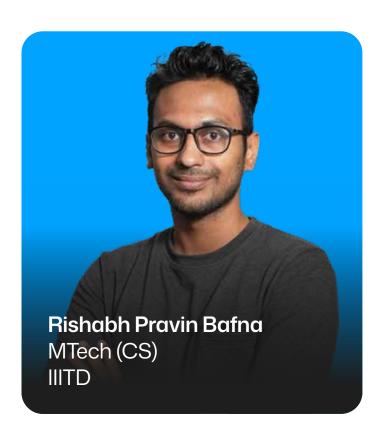












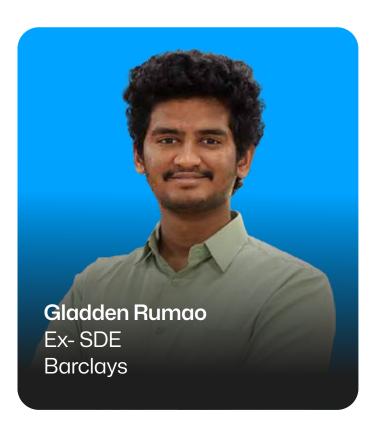




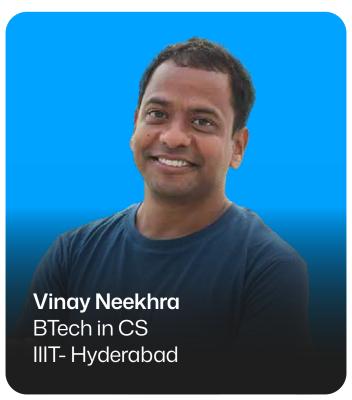














Immersive Industry Internships

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





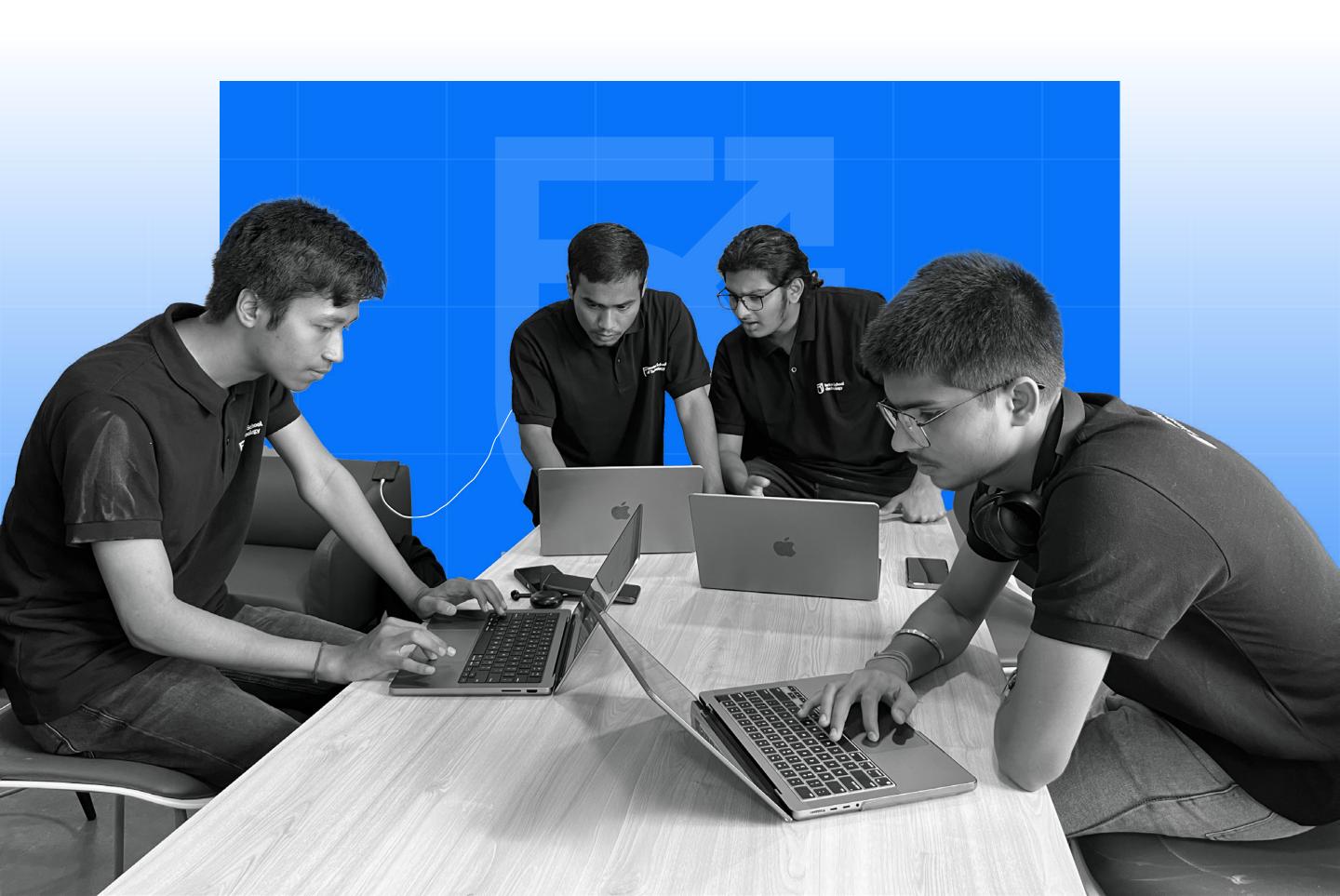














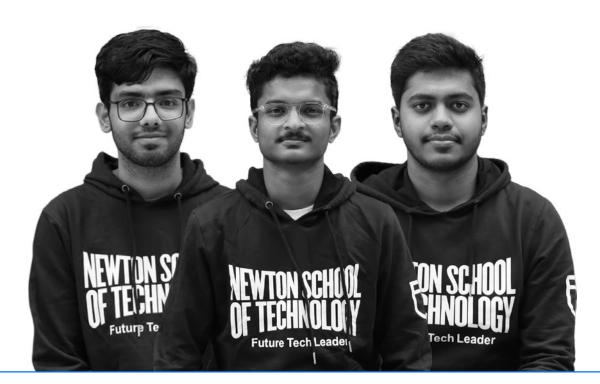
Building Your Professional Portfolio

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

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.

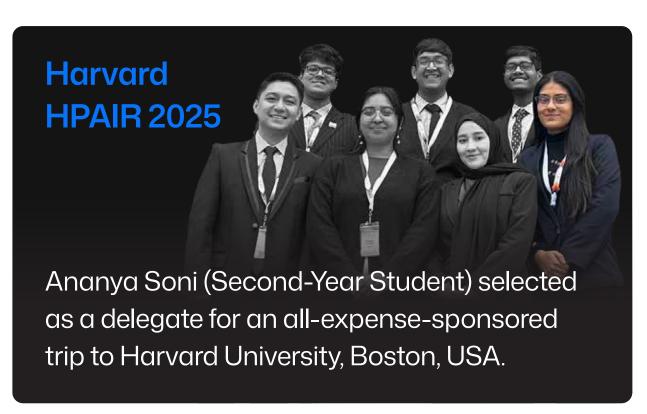


Beyond the Classroom

At Newton School of Technology–Ajeenkya DY Patil 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.



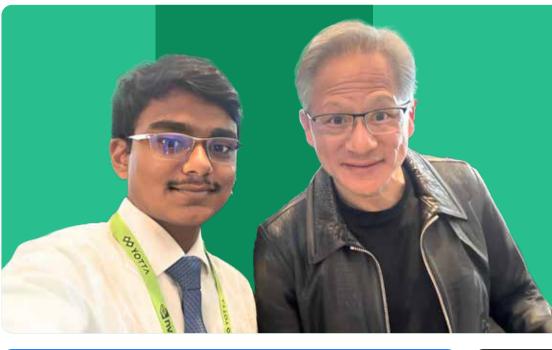
From Local to Global Opportunities



HPAIR 2024

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





Nvidia Al Summit

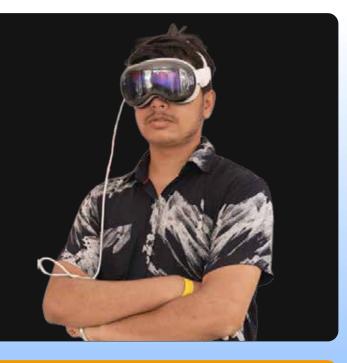
Students engaged with top industry leaders, like Jensen Huang, exploring Generative Al and Robotics through immersive, hands-on workshops.

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 IEEEXtreme (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



Ensemble – Performing Arts ClubSpotlight Night at RAAS

A vibrant evening of music, dance, and theatre, curated and performed by over 20 Ensemble members. From acoustic sets to theatrical monologues, the full house buzzed with energy, creativity, and campus spirit.



Astronomy & SpaceTech Club Stargazing at Jupiter Opposition

31 students visited the JVP Observatory to witness the rare Jupiter Opposition. With expert guidance and high-powered telescopes, they observed Jupiter, Saturn, and Venus, explored

constellations, and tracked satellites, making it more than just a stargazing event.



Sports Club

Inter-Floor Sports League at Aarambh

Four days of high-stakes matches in cricket, football, basketball, and chess brought students together in fierce yet fair competition. Floor teams battled for glory, but what lasted were the friendships, leadership, and floor pride built on and off the field.



Orators Club

Speak Your Mind: Extempore Challenge

With no scripts and just moments to prepare, students delivered impromptu speeches in front of a packed room. The event, judged by experts from ADYPU, challenged clarity, confidence, and critical thinking—turning stage fright into stage power.



Student-led clubs at Newton School of Technology are engines of creativity, collaboration, and innovation.

Entrepreneurship Cell

Fix the Fail: Startup Turnaround Challenge

Teams stepped into the shoes of co-founders, solving real-world startup failures in just 90 minutes. Guided by faculty mentors, they pitched sharp revival strategies, building their business acumen and learning how to think like founders.



CP Club (Competitive Programming) *Google DevFest 2024, Pune*

NST students attended one of India's biggest tech events hosted by Google Developer Groups. They explored cutting-edge tools, joined live coding demos, and interacted with experts—returning with sharper skills and fresh inspiration.



Content TeamContent Creation Challenge

A series of campus-wide challenges pushed students to tell compelling visual stories—from vlogs and short films to reels. Mentored by the Matar Media team, the club is setting the stage for student-led storytelling at NST.



Student Development Club (SDC)

Nirmaan 2024 – The Hackathon

A 5-hour sprint where 50 shortlisted teams built E-commerce websites from scratch. After a rapid dev round, the top 15 pitched to judges. One winner and two runners-up were crowned, but every team left with sharper skills, stronger teams, and serious momentum.





Tekron: New-Age Tech & Cultural **Innovation Fest**



Tekron is a high-energy celebration of tech, creativity, and culture. Bringing together students from across the country for thrilling challenges, late-night hackathons, and unforgettable performances, making waves both on-ground and online.

1050+

15+

Registrations

1450+ Footfalls **Events**

₹6 Lakhs+

₹4 Lakhs+

Prize pool

Sponsorships



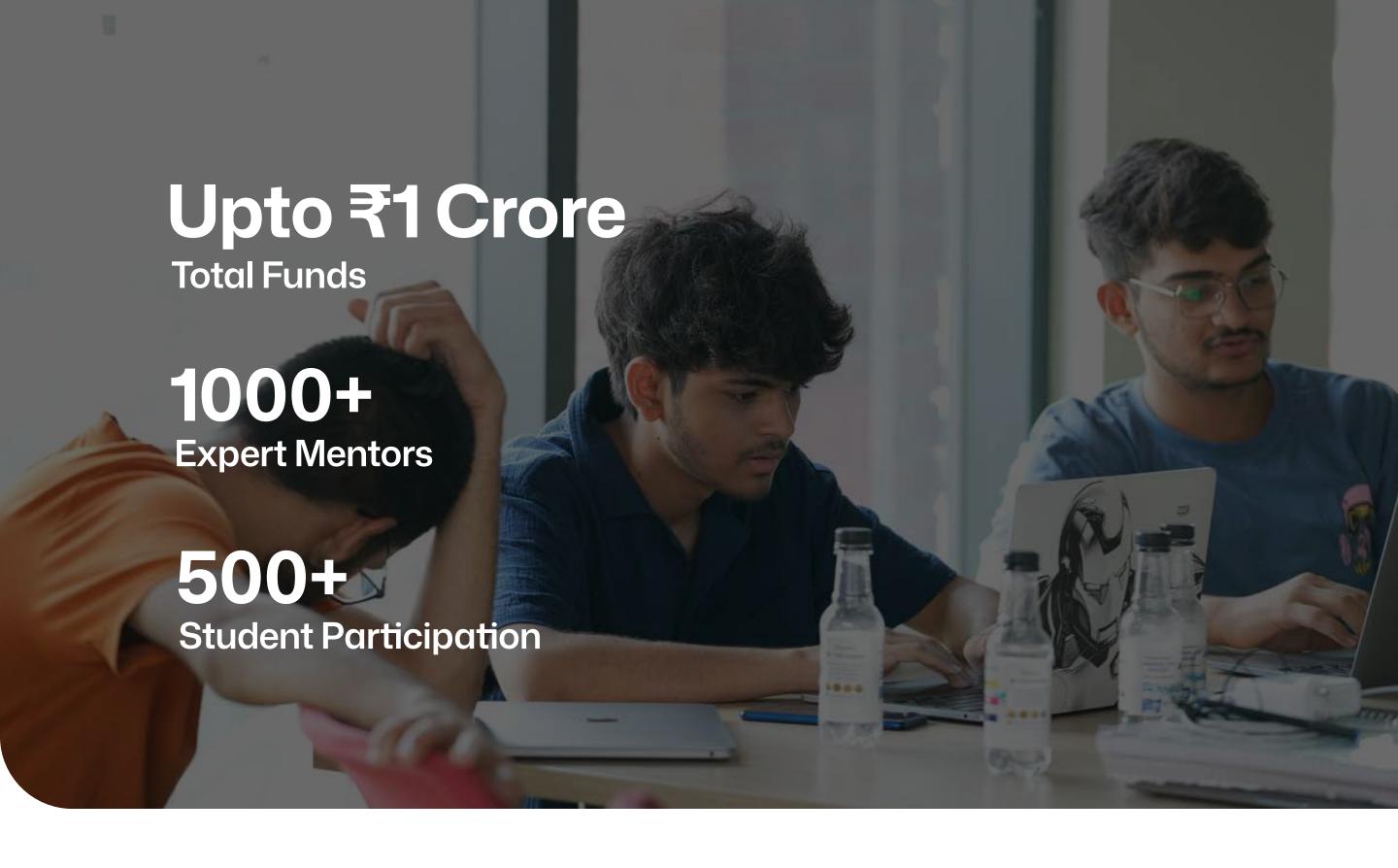












Newton StartX

Newton StartX nurtures young innovators by providing funding, mentorship, and resources to transform ideas into impactful technological solutions. With a total fund of up to ₹1 Crore, StartX offers:

Infrastructure Support

Assistance based on the potential

DedicatedMentorship

Guidance from industry experts

newton **Startx**

Product & Marketing Strategy

Learn how to build, position, and sell products effectively

InteractiveWorkshops

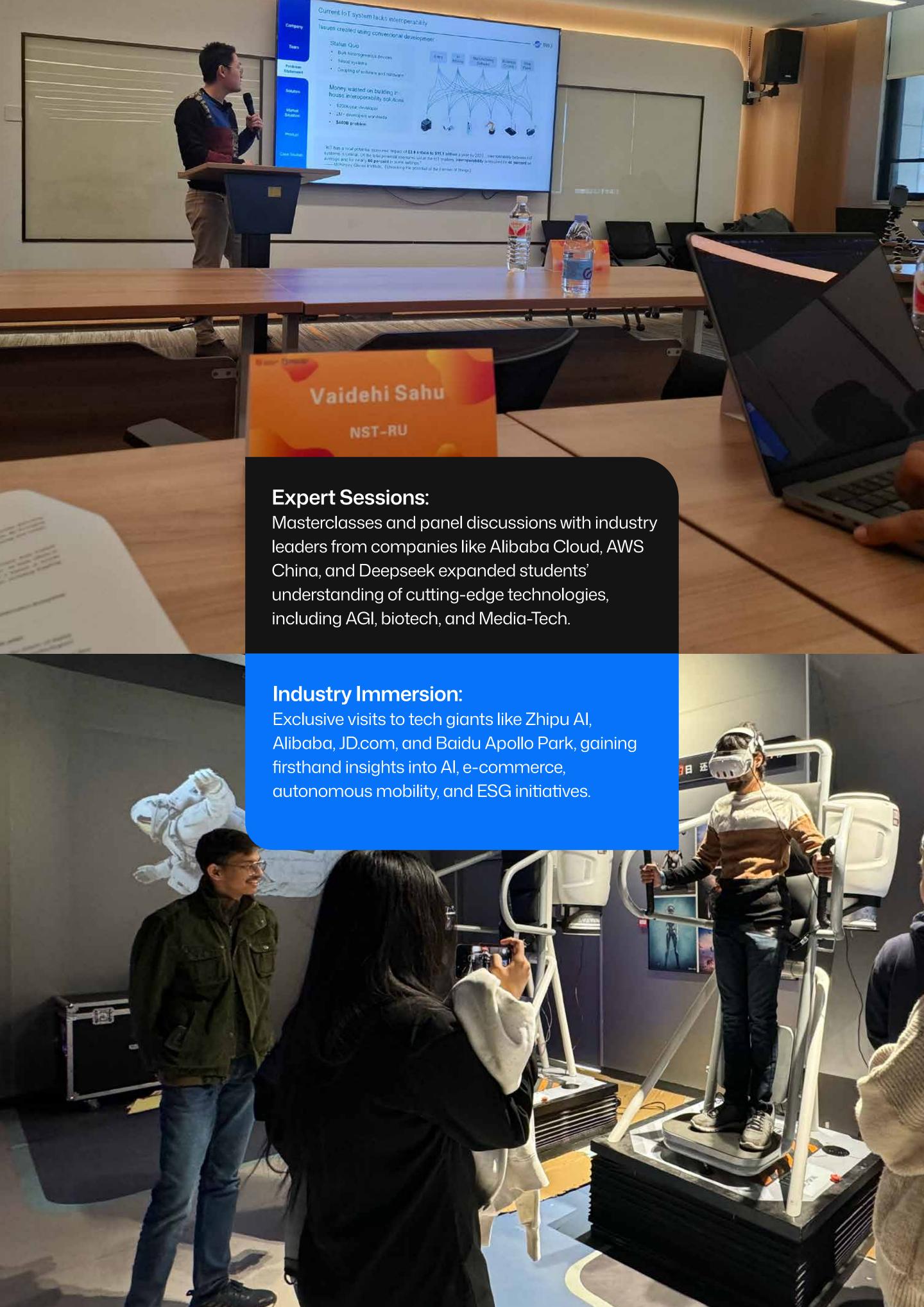
Monthly sessions led by startup founders and industry leaders

International Immersion Programme

NST Study Track in CHINA

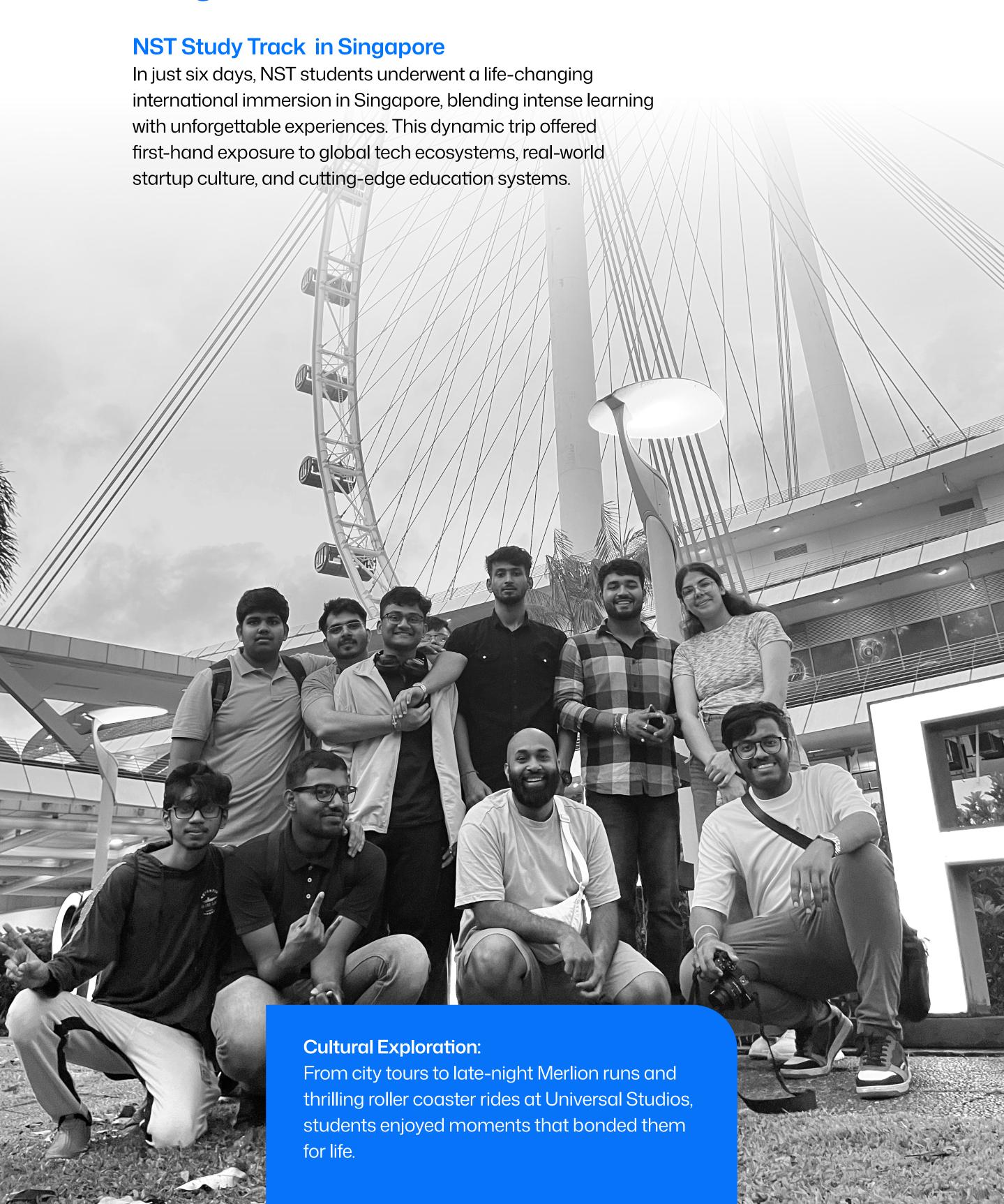
Nine selected students participated in an intensive international immersion experience in China, designed to blend global exposure with advanced tech learning and cultural enrichment. Over 100 hours, students engaged in 19 meticulously planned activities, including:

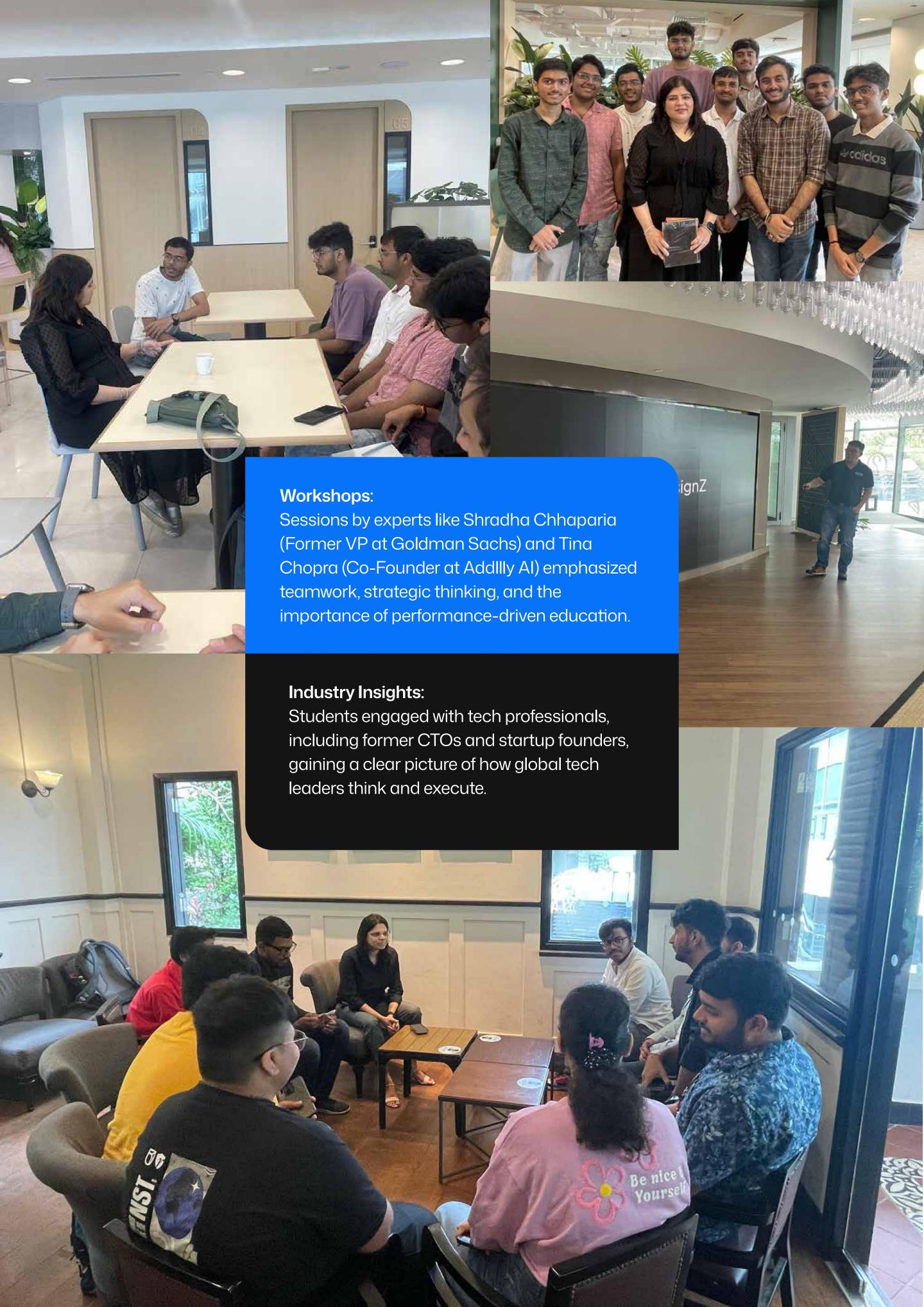






International Immersion Programme







Go for Gold 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.

Highlights



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.

GoForGold 2024 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

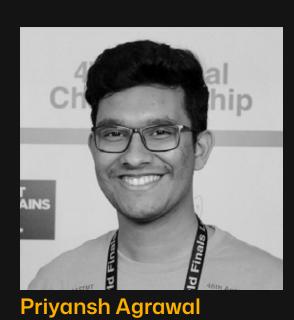


Aryan Choudhary

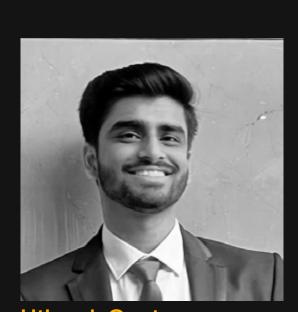
2x ICPC World Finalist,
Grandmaster on CodeForces



Gaurish BaligaMaster on CodeForces



ICPC World Finalist



Utkarsh Gupta

2x ICPC World Finalist,
Grandmaster



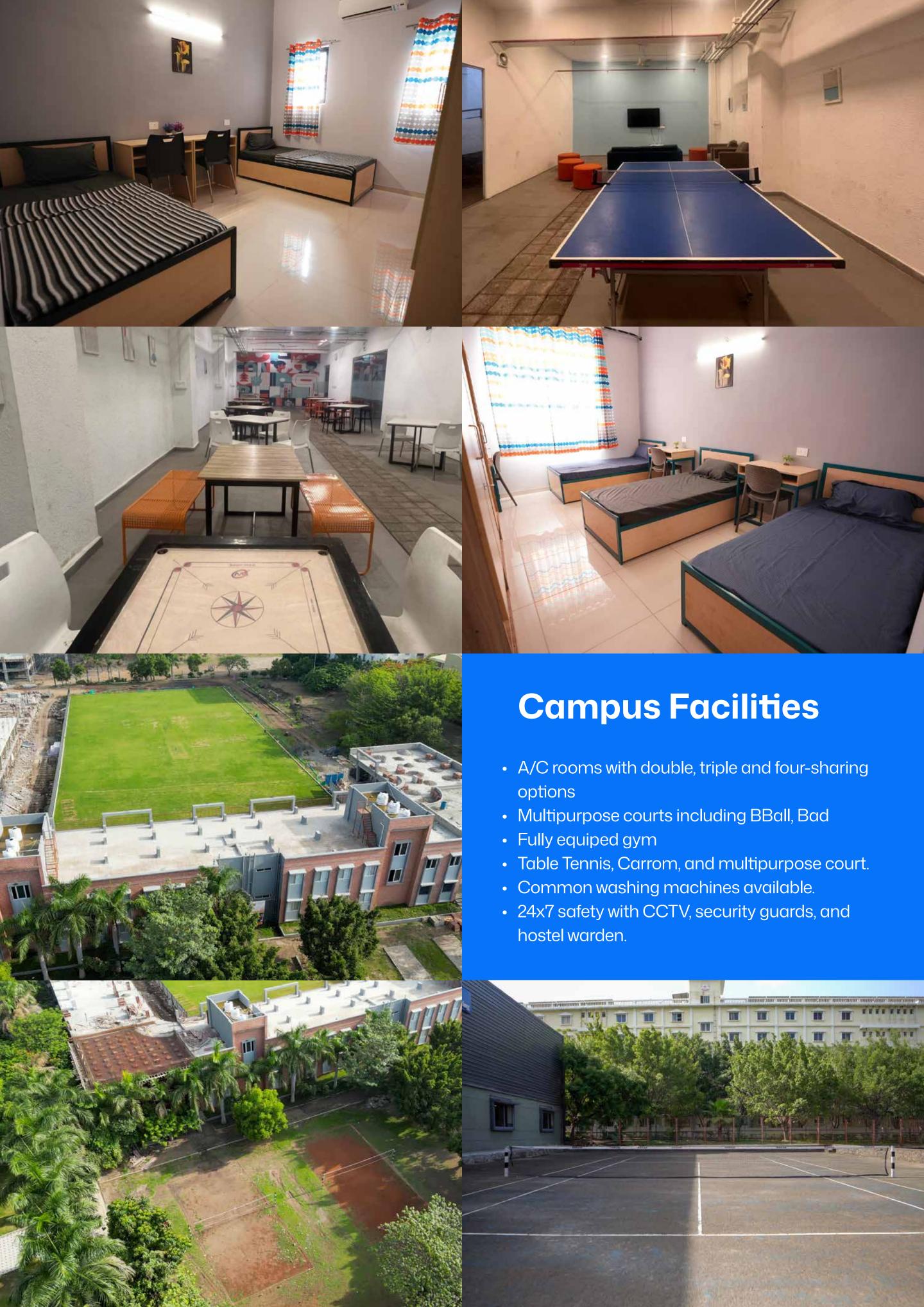
University Collaboration

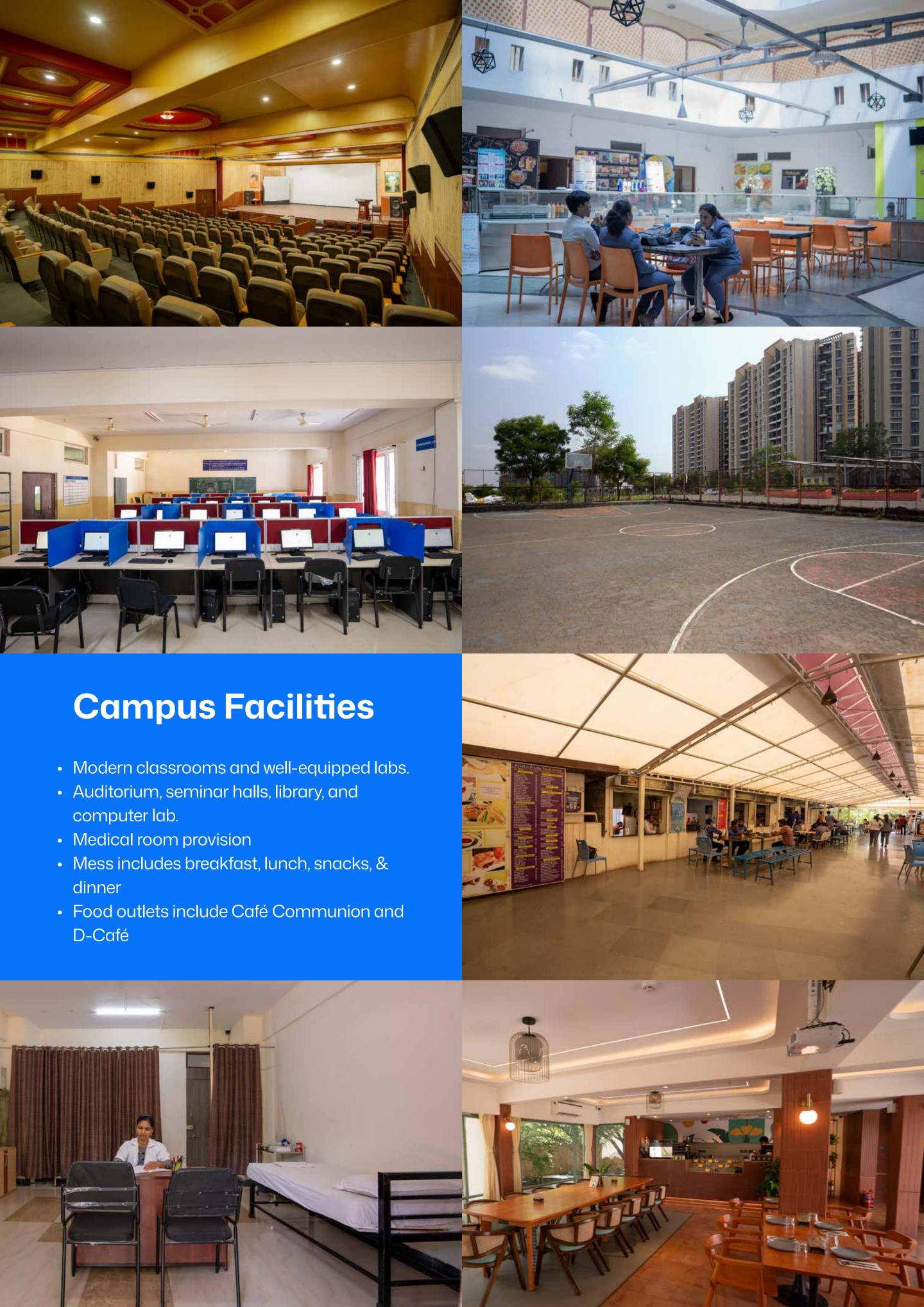


Ajeenkya DY Patil University (ADYPU), known for its strong emphasis on innovation, is a renowned hub for young learners with entrepreneurial aspirations. We provide an ideal environment for young learners and aspiring entrepreneurs to develop skills for the ever-evolving world and nurture the growth of your startup ventures!

ADY PU serves as an innovation factory, transforming ideas into impactful outcomes. Students develop into T-shaped professionals who are highly skilled in technology and have a broad understanding of other areas of study.



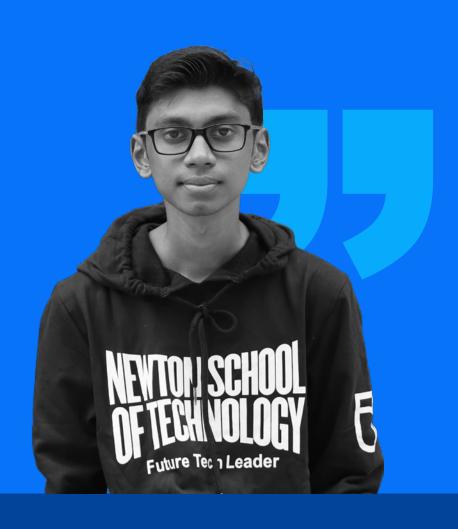


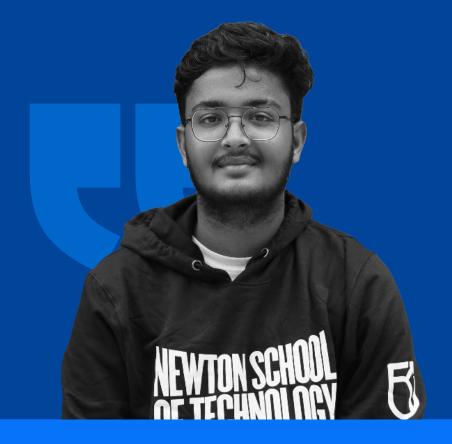


Cracked IIT. Chose NST

"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.



Admission Process

Cleared the Personal Interview round.

- Sign up on our website
 Fill out the application form with personal information.
- Take the NSAT Entrance Test

 Complete the 180-minute assessment covering

 General Aptitude, Mathematics, & English.

Demonstrated skills, knowledge, and passion for technology.

- Personal Interview Round

 Schedule an online personal interview after qualifying in NSAT.
- 4 Counselling & Admission

 Appear for on-campus counselling after clearing the interview.
- 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



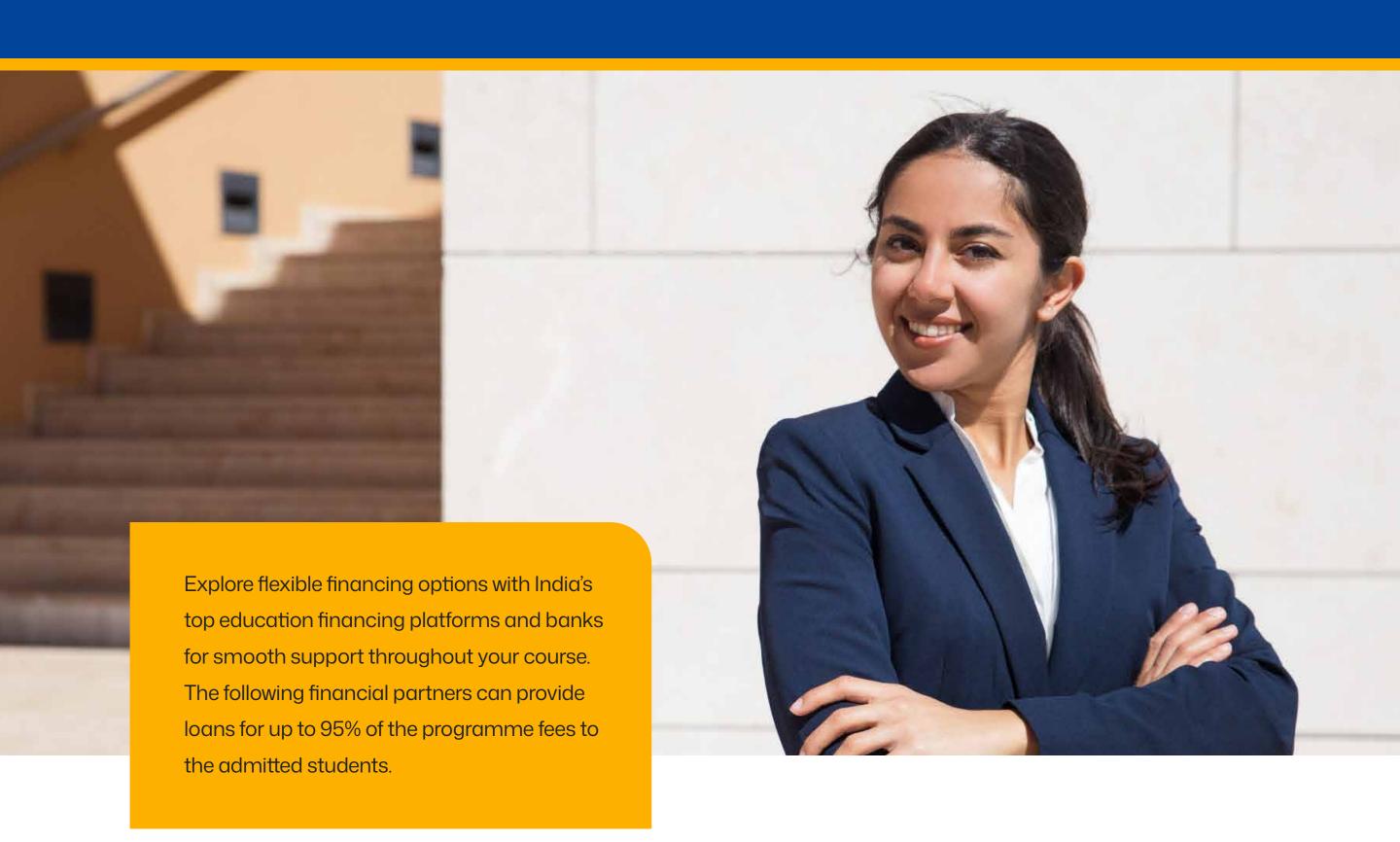
Young Women Leader Scholarship:

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













What You'll Achieve After NST

- A UGC-recognised B.Tech. degree in CSE (AI & ML) from Ajeenkya DY Patil University 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 Al-driven world.

More Than a Degree

At this point, we have introduced you to 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 Ajeenkya DY Patil 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

Fee Component	Year 1	Year 2	Year 3	Year 4
Seat Block Fee (Non Refundable)	₹50,000			
Tuition Fee	₹3,12,500	₹3,12,500	₹3,12,500	₹3,12,500
Upskilling Fee	₹1,00,000	₹1,00,000	₹1,00,000	₹1,00,000
Refundable Deposit	₹50,000			
Total	₹5,12,500	₹4,12,500	₹4,12,500	₹4,12,500

^{*} Fees structure for academic year 2026 will be updated soon



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



