



# Engineering Excellence for the Age of AI

India's Premier Tech-Industry-Driven  
4-Year Residential Program (B. Tech.) in  
Computer Science & Artificial Intelligence





# Our Journey So Far



## 2024

Launched NST at ADY Patil University in Pune with 315 enrolments.

2nd batch intake at Rishihood University in Sonipat (NCR) with 600 enrolments. Newton School crossed 3,500 placements.

93% of students secured internships by 2nd year

## 2023

Launched Data Science Certification Program. Newton School crossed 3,000 placements.

## 2021

Raised Series A funding. Launched Masters Degree Courses. Newton School crossed 1,000 placements.

## 2019

Launched Full Stack Development (FSD) Program.

## 2025

Launched NST at S-VYASA University in Bengaluru with 125 enrolments. Newton School crossed 4,500 placements.

ICPC Asia West qualification marks a major breakthrough

## May 2023

Launched NST at Rishihood University in Sonipat (NCR) with 100+ enrolments.

## 2022

Raised Series B funding. Newton School crossed 2,000 placements.

## 2020

Raised seed funding. 1st Newton School student placed.



# "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 Undergraduate 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, but further amplified through hands-on projects, industry mentorship, and a curriculum that dives deep into industry-relevant specialisations like Artificial Intelligence, Robotics, and Tech Entrepreneurship. 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 the future together. You'll emerge not just with a degree but with the confidence and skills to thrive in a rapidly changing world. Are you ready to shape the future of technology?



**Nishant Chandra**  
Co-Founder- NST  
IIT Roorkee Alumnus  
Forbes Asia 30 Under 30

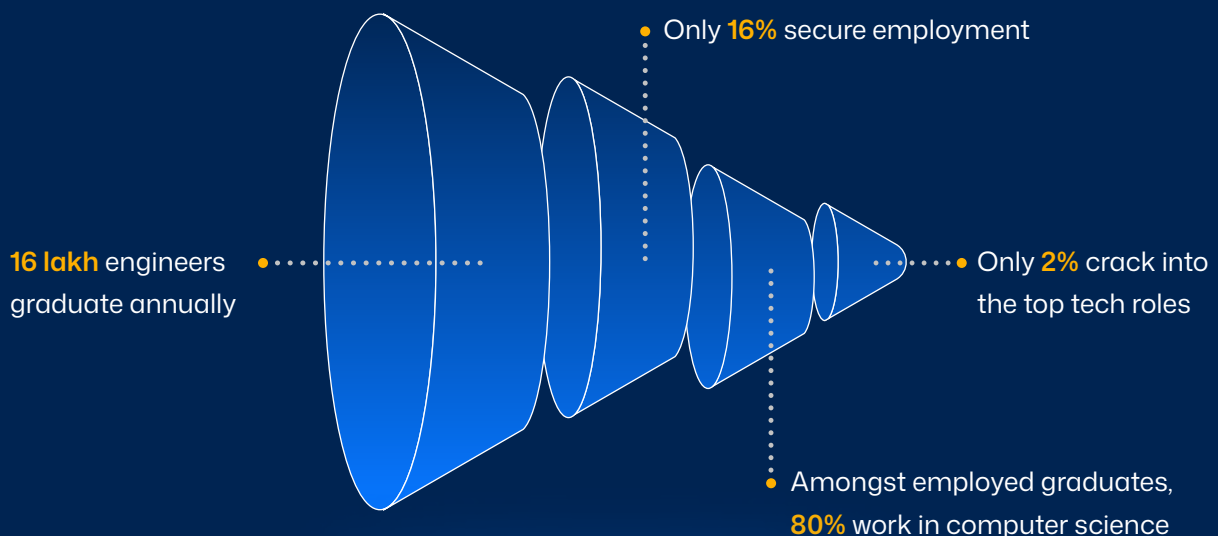


**Siddharth Maheshwari**  
Co-Founder- NST  
IIT Roorkee Alumnus  
Forbes Asia 30 Under 30



As the digital revolution accelerates and enters our daily life in India, 9 crores new tech jobs are estimated to be added over the coming decade. However, the traditional engineering education is lagging behind and requires an overhaul in pedagogy, teaching methodologies and industry partnerships.

## The Traditional Reality





# Introducing Newton School of Technology

Newton School of Technology (NST) is where innovation meets education. We prepare students to excel in a dynamic world with a perfect blend of technical mastery, creativity, and leadership skills. NST's programs focus on hands-on learning, real-world projects, and global exposure, ensuring graduates are career-ready from day 1. With experienced faculty and modern university campuses, NST is a launchpad for the leaders, thinkers, and changemakers of tomorrow.



## 4 Years Transformative Program

A structured journey to build coding skills, technological foundations, professional expertise, job-readiness & leadership.



## Expert Faculty & Modern Pedagogy

Learn from industry mentors and experienced educators through hands-on, practical teaching.



## Global Exposure & Residential Campus

International opportunities and world-class campus life for holistic growth.



## Selective & High-Quality Cohort

Join a carefully curated batch of driven, like-minded peers.





# Creating Industry-Ready Innovators

NST is built on the conviction that engineers learn by doing. That is why, the learning model focuses on execution, industry-relevance and continuous growth resulting in our students becoming industry-ready faster than their counterparts in traditional institutes.



Learning Through Building



Industry-Driven Curriculum



Real-World Assessments



Continuous Industry Exposure



Strong CS Fundamentals



Expert Faculty & Mentors

## Proudly Associated with 800+ Hiring Partners



**98%**  
**Placement Rate**

Majority of our students secure positions at top tech companies

**₹1.5 Cr**  
**Highest Package**

Enabled by strong fundamentals and industry-aligned learning.

**1,000+**  
**Industry Experts**

Building connections and fueling growth of Indian tech industry's top talent & leadership

**4,500+**  
**Students Placed**

Proven track-record of placement assistance & success

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



VS

## Traditional CS Engineering

### Curriculum

Future-focused curriculum, continuously updated with AI and emerging technologies

Syllabus updated infrequently and slower to adapt to industry changes

### Learning Style

Immersive hands-on learning through real-world, AI-driven projects

Theory-heavy approach with limited practical exposure

### Mentorship

1:1 mentorship with industry experts guiding students' learning journey

Minimal career guidance with limited personal attention

### Career Support

Access to 800+ hiring partners across leading tech companies

Improper structured hiring network

### Internships

Internships focused on real-world applications and industry

Limited or no internship support

### Industry Integration

Integrated training with live projects in AI and emerging tech domains

Few opportunities for industry exposure

### Global Exposure

International study opportunities with exposure to global tech and AI ecosystems

Limited or no international experience



# Meet Your Mentors ↗

At Newton School of Technology, education transcends the traditional classroom. Students go beyond textbook theory to learn directly from industry leaders who are shaping the modern digital world.

## Mentors Who Shape Excellence

Our mentors bring a wealth of practical, high-stakes experience to the table. These are the individuals who have:



Architected Scalable  
Systems



Nurtured Tech  
Unicorns



Led Global  
Engineering Teams



**Soumitra Mishra**  
Ex- Principal Engineer



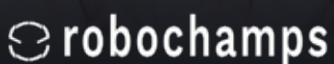
**Ashwin K**  
Ex- Senior Software Engineer



**Deepak Gour**  
Ex- Software Engineer



**Abhishek Sharma**  
Ex- Founder



**Tanmay Balwa**  
Ex- Senior DevOps Engineer



**Gurpreet Singh**  
Ex- Scientist





**Gaurav Gehlot**  
Ex- Software Engineer

**Goldman Sachs**



**Krushn Dayshmookh**  
Ex- Software Engineer

**SIEMENS**




**Deepak Sharma**  
Ex- Software Engineer

**Flipkart** 




**Abhishek Gupta**  
Aerospace Engineering

 **Indian Institute of Technology, Bombay**



**Akshay Telmasare**  
M.Tech in Mechanical Engineering

 **INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR**



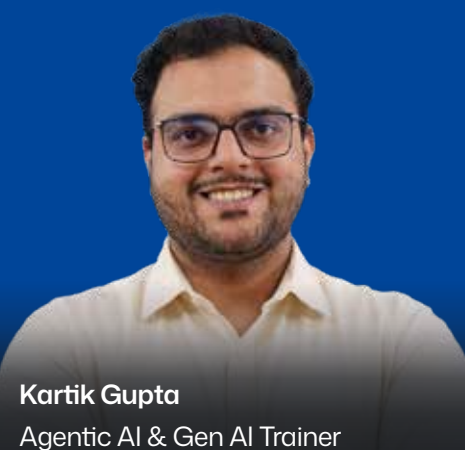
**Dr. Yash**  
PhD in Quantum Mechanics

 **INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE**



**Akshit Sharma**  
Maths instructor

**ALLEN**



**Kartik Gupta**  
Agentic AI & Gen AI Trainer

 **INDIAN INSTITUTE OF TECHNOLOGY, ROPAR**



**Rahul Kumar**  
Ex- Full stack trainer

**DUCAT**  
The IT Training School



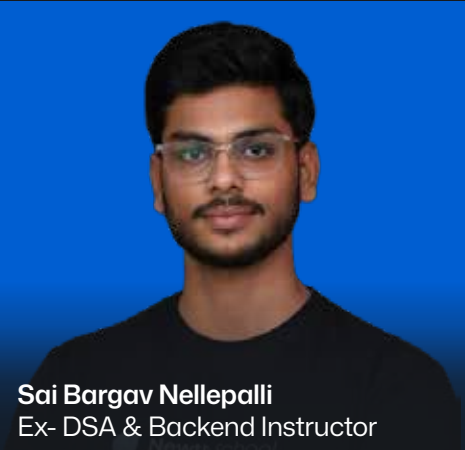
**Jitesh Kumar Singh**  
B.Tech in CS

 **IIIT, Ranchi**



**Bipul Kumar Shahi**  
M.Tech in Data Science

 **BITS PILANI**



**Sai Bargav Nallepalli**  
Ex- DSA & Backend Instructor

**upGrad**



# startx

StartX at Newton School of Technology is a student innovation and seed-fund initiative supported by a ₹1 Crore fund, enabling founders to build real tech products and early-stage ventures during college. Students receive industry mentorship, prototype support, and opportunities to pitch for pre-seed funding, creating a strong pathway from idea to market. The initiative culminates in Startup Foundry, a year-long, structured mentorship programme led by industry leaders.

## STARTUP FOUNDRY



### Real-World Problems

Work on unstructured problem statements sourced from industry.



### Direct Mentorship

Get guidance from experienced operators and founders.



### Tech First Products

Building scalable and emerging Tech products from scratch, beyond basic demos.



### Market Ready

Graduate into viable startups with potential for real funding.

## Industry Mentors



### Udit Goyal

COO & Head - Early Stage Startup Ecosystem, Google Cloud India



### Vivek Sridhar

CTO - Microsoft for Startups | AI Advisor | Investor | Founder





# Top Startups ↗

# kixar



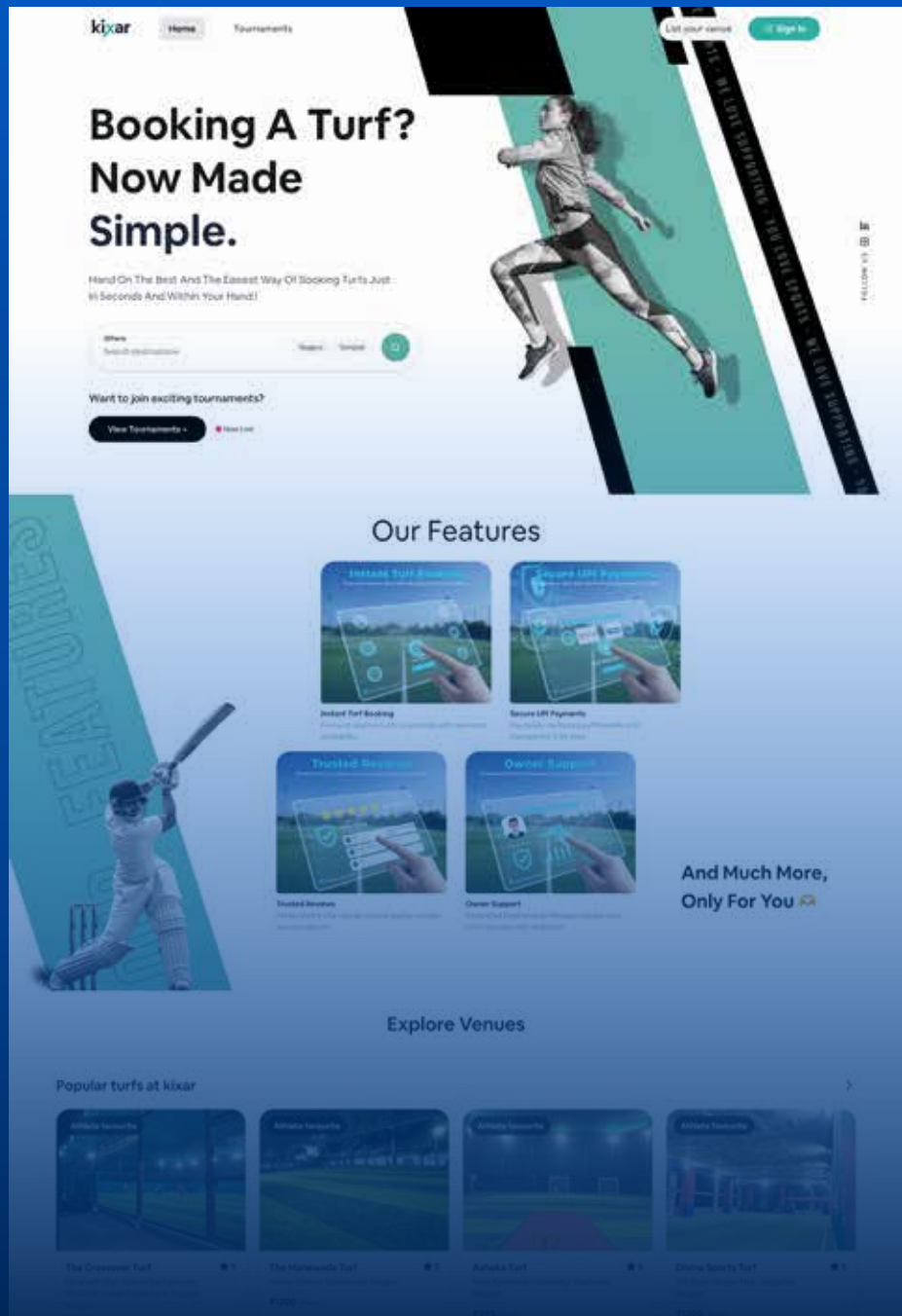
Raghav Gupta



Aditya Kumar

Built by NST students, KIXAR is a platform that simplifies booking sports facilities while enabling venue owners to efficiently manage operations. After a pilot in Sonipat, it expanded to Nagpur, growing to **800+ users**, **750+ bookings** in 5 months, and **₹8,00,000+ in revenue**— driven entirely through organic growth.

The app is live on iOS and Android, and has secured investment from Jitesh Sharma, Vice-Captain of Royal Challengers Bangalore, who is also its brand ambassador.





## Top Startups ↗



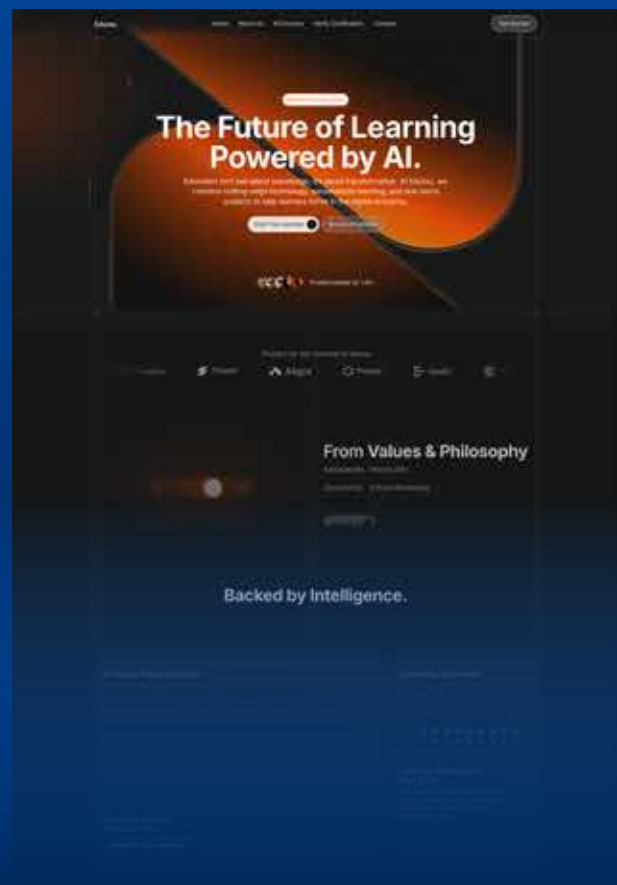
Harshal Narpeger

Founded by Harshal, a Computer Science & AI student at Newton School of Technology (NST-RU), CarbonCraft is a premium, design-led brand creating custom metal cards and accessories. What began as a campus project evolved into a profitable venture at just 19, reflecting NST's focus on hands-on learning, product thinking, and building real businesses while still in college.



Himanshu Dubey

Edutou – a student-led EdTech venture conducting institution-backed offline AI workshops where engineering and CS students build real-world AI websites in a 12-hour hands-on programme. Each cohort hosts 100–150 students and generates ~₹2 lakh per engagement through a merit-based technical selection process. Built on Next.js, Supabase, and Docker by Himanshu Dubey, the platform runs live production deployments and is strengthened by CS and AI fundamentals at Newton School of Technology, with a roadmap to scale across institutions and national tech events.





# Top Startups ↗



Agnik Mishra



Hemant Tenneti

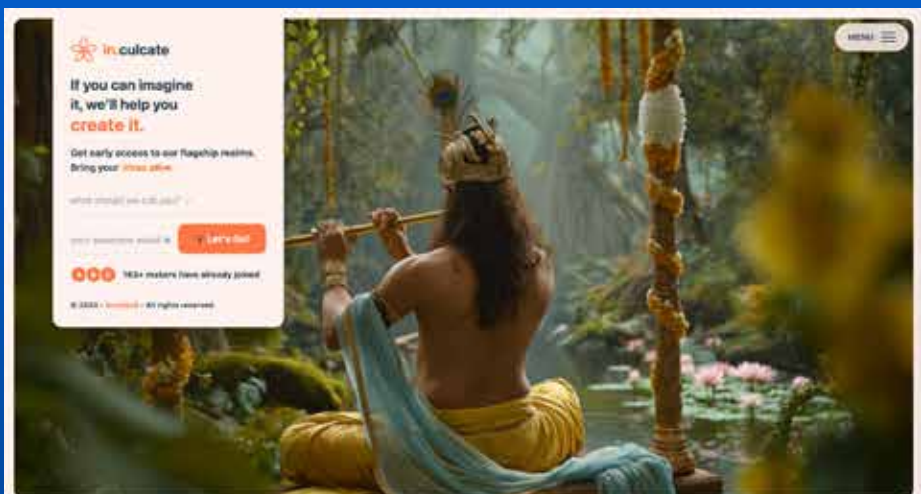


Pankaj Baid

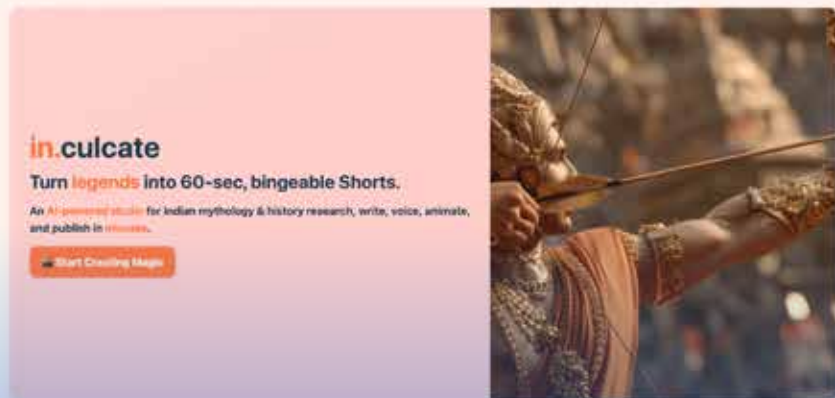


Aaloke Eppalapalli

Founded by Agnik Mishra with co-founders Hemant Tenneti, Pankaj Baid, and designer Aloke Eppalapalli, raised its first funding at a **₹5 Crore valuation from ISB** while the team was still in their 2nd year of college. Inculcate is building a platform to revive and reimagine Indian knowledge systems, stories, and cultural wisdom for future generations.



## Our Creation



## Our Partnerships

<p>Incubated in</p> <p>Incubated at India's top business school</p>	<p>Featured in</p> <p>Featured by India's leading startup media</p>	<p>Supported by</p> <p>Powered by cutting-edge AI voice tech</p>
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## Top Internships ↗

At Newton School of Technology, internships are built into the degree itself. In the 7th and 8th semesters, students undertake a year-long, full-time industry internship, working on live products and real engineering problems. Supported by a dedicated placement team and strong industry partnerships, this structured exposure ensures NST students graduate not just with a degree, but as industry-ready engineers from day 1.

**93%**

Students secured an internship by second year

**₹1.25 Lakh**

Highest monthly stipend of 2024 batch

**24%**

Students secured two internships by second year

**₹49K**

Average stipend of the top 10% students

## MSTACK

Selected students from Newton School of Technology secured international internships at MStack in Abu Dhabi, where they worked on production-grade systems, including AI solutions for automating global shipping compliance. During the on-site internship, they collaborated with global engineering teams, wrote code for real-world deployments, and gained direct exposure to international engineering practices and large-scale product development.



Bilal Raza



Mehak Jain



Anuj Kumar

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## sarvam



Rachit Kumar

At Sarvam.ai, Rachit Kumar contributed to scalable AI platforms, including the public API dashboard, multilingual translation system, and an internal AI dubbing studio. Working across UX, analytics, authentication, and AI tooling, he delivered production-grade systems that helped scale dashboard usage from 5,000 to 40,000+ users and drive 8x growth.



# Top Internships ↗

## EmpowerHub



Karthik Reddy



Yashi Gupta



Aryan Jangde



Saloni



Gandadhar Yadav



Charan Adithya



Monu Kumar

During a six-month internship under the **Ministry of Education**, in association with the **Indian Institute of Technology Roorkee** and the Social Studies Foundation, NST students built EmpowerHub end-to-end.

They built automated pipelines to structure data from multilingual government portals and implemented AI-driven scheme matching. The team engineered a scalable backend, an admin dashboard for policymakers, and a mobile-optimized public interface. They independently managed full production deployment, including Docker, reverse proxies, and server configuration.

## Z U V E E S . A E

NST students completed a full-stack internship with Dubai-based gifting tech startup Zuvees, taking end-to-end ownership of the product as early tech contributors. They built the backend infrastructure, customer and admin frontends, real-time operational dashboards, and live integrations for payments, logistics, and order tracking.

Their contributions directly shaped the company's core platform and business workflows, leading to strong industry recognition and early career milestones including a Pre-Placement Offer and a Pre-Placement Interview in their second year.



P Vivekananda



Murali Madhav

# Student Projects ↗

## Neo-Satellite

Students built a Neo-satellite 1U CubeSat prototype from scratch, learning 3D modelling, sensor integration, data transmission, and backend development along the way with no prior experience. Despite tight timelines and hardware failures, they created a functional system and now aim to scale it for real-world deployment.



Kavta Katal | Satvik Prasad | Suryansh Chattree | Neelanshu



## Combat Robot

Students built a 15 kg combat robot in under a month, developing low-level microcontroller code, a custom PCB, and the complete mechanical system through rapid design, sourcing, and testing cycles. They engineered wheel dynamics, power systems, and structural assembly under tight timelines, reflecting early, competition-grade hardware innovation driven by end-to-end execution.



Deeptanu Bhunia | Daksh Saini | Kriti Gautam | Krish Modi | Tanubhav Katiyar

# Student Projects ↗

## VTOL Drone

Students designed and built a fully autonomous dual-drone system for disaster management with aerial surveillance, precision payload delivery, KML-based mission planning, 4G long-range communication, and a custom drop mechanism, along with a proposed mother-drone swarm concept that reflects strong real-world robotics and systems engineering.



Manish Kumar | Monu kumar | Shreya Narayani | Rishiwant Kumar Maurya | Sourabh Sarkar

## Quadruped robo-dog

Students built a quadruped robo-dog in their first semester, engineering a four-legged robot capable of stable walking using inverse kinematics and crawl gait mechanics. The system was programmed in Embedded C on an Arduino Uno and controlled 12 servo motors through a PWM driver for coordinated movement. The project gave students hands-on experience in robotics, embedded systems, and hardware integration.



Izaz Ahmed | Rishit Jain | Raj Patre



# Competitions ↗



Yogesh Mishra



Omkar Shukla

Newton School of Technology celebrates a monumental victory as our students emerged as National Winners at the Smart India Hackathon 2025. Competing against tens of thousands of elite innovations nationwide, NST proved that our engineers are ready to solve the country's most complex challenges.



Tanish Garg



Harshita Maheshwari

Team Next Stop was Awarded ₹1.5 Lakh Tasked with transforming public infrastructure, Team Next Stop developed a high-impact transportation solution for the Government of Punjab. Their platform earned national acclaim for its technical sophistication and immediate real-world applicability.



Sanchit Garg



Prateek Shukla

## Impact

Public Sector Innovation: Solving mission-critical problems for state governments.

## LFX | Mentorship

Agnik Mishra was selected as an LFX Mentee (Fall 2025). He is contributing to the O-RAN Software Community, working on next-generation 5G network architecture and open telecom infrastructure.

Soumya Kumar secured a prestigious CNCF Internship, where he is deepening his expertise in cloud-native orchestration by working with KubeStellar and advanced Kubernetes ecosystems.



Agnik Mishra



Soumya Kumar



# ICPC Success ↗



ICPC, known as the “Olympics of Programming,” is one of the world’s most prestigious coding competitions, exposing students to advanced problem solving and a global programming community, with many participants going on to excel in leading technology and research roles.

## Asia West Qualification



Amod Ranjan | Priyanshu Jangra | Jigyasu Kalyan

The ICPC Asia West qualification marks a major breakthrough for NST, with a team securing **Rank 22** at Chennai and **Rank 46** at Amritapuri Regionals, advancing from 4,000+ participating teams to the onsite stage and establishing the institute among the country’s strongest competitive programming performers.

## Regionals

The same year also saw a significant rise in participation and depth, with five NST teams qualifying for the ICPC Regionals. Their performances across multiple regional sites highlighted the growing strength of NST’s programming culture and established the institute as an emerging presence on the national ICPC circuit.



Rank 127

Mayank Gupta | Karan Chhillar | Vachan Gupta



Rank 158

Md. Faisal | Vansh Singhal | Vaibhav Singh



Rank 219

Krish Modi | Arkapravo Rajkonwar | Sunny Singh



Rank 228

Geetansh Goyal | Ravi Sharma | Jothin Kumar



# GSoC Achievement

## Google Summer of Code

The Google Summer of Code (GSoC) is a highly selective global open-source program that recognises students who demonstrate strong engineering fundamentals, sustained problem-solving ability, and the discipline required to build real-world software in collaboration with global communities.

### 2024



Mehak Jain

In 2024, NST recorded its first GSoC selection through Mehak Jain, who secured the opportunity in her first year after months of independent preparation, open-source contributions, and technical evaluation, with a stipend of **₹1.25 lakh**. This achievement reflected not just individual capability, but the depth of effort and ownership NST students bring to their work.

### 2025



Agnik Mishra

The momentum continued in 2025, as five NST students earned GSoC selections, each with an average stipend of **₹2.5 lakh**. Their success highlights a growing culture of sustained effort, technical rigor, and long-term commitment to open-source development, positioning NST students as consistent contributors on global engineering platforms.



Aashu Choudhry



Yakshit Salviya



Birajit Saikia



Krishna Dave

## Impact

NST students have now established a consistent presence in GSoC, gaining hands-on experience with international open-source projects and collaboration.



# Conferences ↗



## HARVARD COLLEGE PROJECT FOR ASIAN AND INTERNATIONAL RELATIONS

Newton School of Technology students have consistently represented India at the Harvard Project for Asian and International Relations (HPAIR) conference, a prestigious global forum hosted by Harvard University. Through this platform, our students engage with young leaders from across the world, participate in discussions on technology, policy, and innovation, and gain international exposure early in their academic journey. Their continued participation reflects NST's commitment to building globally aware, confident, and future-ready engineers.



2025



Mann Vaswani

2025



Aditya Kammati

2025



Minaksh Singhania

2025

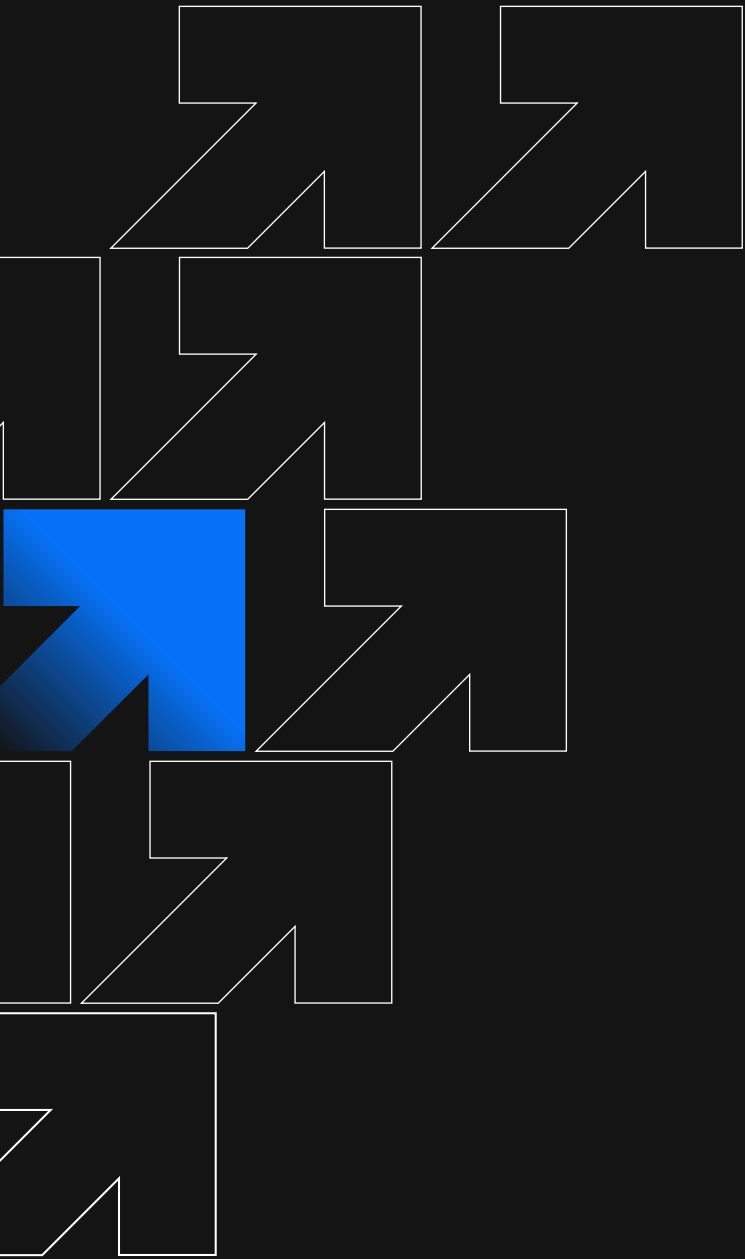


Oashe Mehta

2024



Ananya soni



# The Voices of Success





I wanted a new-age institute focused on learning and innovation, not just exams. NST's CS & AI program is helping me build both tech and interpersonal skills.

**Aman**

2023 batch



NST follows a curriculum that focuses mainly on industry-level knowledge and coding skills, rather than just theoretical concepts, which was the main reason why I chose NST. My experience so far at Newton has been really good. The learning approach is structured and practical. It has helped me improve

**Gaurangi**

2025 batch



Success for me is not just about academics, but about building meaningful solutions. At Newton School of Technology, I worked on AI-powered platforms, led development teams, and solved real-world problems through code. This journey has shaped my mindset to innovate, lead, and continuously grow in the tech world.

**Avneet**

2024 batch



The support from NST's faculty has been incredible. Their focus on practical, industry-ready learning has truly guided

**Janhvi**

2023 batch



What stands out for me is the culture. Everyone here is building something whether it's projects, startups, or skills. This kind of environment naturally pushes you to level up.

**Ravi**

2025 batch



I joined NST because of the industry exposure it promises to give us. I never wanted to be a regular engineer studying something that has no value after 4 years does not matter in today's world. The tech world is always evolving and so is our curriculum. The syllabus is always being refined. The environment is competitive, in

**Anshika**

2024 batch



# University Partnership



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

State-of-the-art classrooms and labs

Advanced Robotics and VR Labs

Library with extensive tech resources

Premium double sharing hostel room

Innovation hubs and maker spaces

Indoor & outdoor sports facilities





# Program Summary

## Year 1 | **Build**

The 1st year at NST sets the foundation for the future of the student by building a strong foundation in computer science and hands-on projects to solidify core concepts.

### Core Subjects

Data structure & Algorithm   Front-end Development   Mathematics - Foundation & Advanced  
Fundamentals of AI

### Projects

- Build a Gen-AI powered CRM platform
- Create a social media analyzer using Python
- Create a portfolio website
- Build interactive games
- Develop a dynamic & interactive social media feed

### Beyond Classroom Learning



#### International Immersion

See how technology is changing the world



#### Open Source for an Open World

Pursue GSoC and create lasting impact



#### Competitive Programming

Fuel your inner champion through ICPC



#### Tech Hackathons

Turn ideas into game-changing innovations

## Year 2 | **Innovate**

The curriculum ensures the expansion of skills necessary for developing scalable, data-driven systems and offers insights into the forefront of technological innovation.

### Core Subjects

Back-end Engineering   CS Fundamentals   Advanced programming/OOP   Data & Visual Analytics  
Mathematics (Calculus & Linear Algebra)   Introduction to Machine Learning

### Projects

- Optimise “last-mile delivery” routes for a delivery app
- Build a news content recommendation app
- Build a social app where users can create and update posts
- Find vulnerabilities through ethical hacking

### Beyond Classroom Learning



#### Build Features for Products

From classroom to real-world, creating meaningful impact



#### Product Hunt Challenge

Build & launch a product with live user reviews



#### Freelancing Challenge

Earn, learn, and build a personal brand



#### Big Tech Trek

Step into the offices of tech giants

# Program Summary

## Year 3 | **Achieve**

In the 3rd year at NST, students gain industry-relevant experience through internships, preparing them for a smooth transition into a technology industry career.

### Core Subjects

Deep Learning   Operating Systems & Computer Vision   Introduction to AI   Natural Language Processing  
Modern Computer Architecture   TOC / Compiler / Cybersecurity (MOOCs)

### Projects

- Build a scalable auction platform
- Build a scalable live-streaming application
- Build collaborative applications like Google Docs
- Explore system-level debugging and computer architecture concepts

### Beyond Classroom Learning



#### Development Projects

Build, iterate, and innovate – one breakthrough at a time



#### Deep Tech Projects

Innovate and build your profile for higher academic pursuits



#### Product Launch Challenge

Launch and validate software and/or hardware ideas

## Year 4 | **Succeed**

In the 4th year at NST, students apply their expertise and specialization through a focused internship, often with strong potential for receiving a full-time offer afterward.

### Core Subjects

Industry-Driven Internship  
Professional Engineering Experience   Real-World Problem Solving   Industry Tools & Practices  
Team-Based Development   Code Review & Quality Standards   Career-Oriented Exposure

### Beyond Classroom Learning



#### Workplace Foundations

Work within real teams and delivery cycles



#### Deep Tech Projects

Innovate and build your profile for higher pursuits



#### Startup Incubation

From idea to investment opportunity – raise capital while you study

## What You'll Achieve After NST:

- A UGC-recognised B.Tech. degree in CS & AI from Rishihood University.
- NSDC-recognised certifications valued 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.

### Year-on-Year Fee Structure Breakdown- 2025

Fee Components	Year 1	Year 2	Year 3	Year 4
Seat Block Fee	50,000	-	-	-
Tuition Fee	3,80,000	4,80,000	4,80,000	4,80,000
Administration & Technology Fee	1,00,000	-	-	-
Hostel & Mess Fee	2,40,000	2,40,000	2,40,000	-
Refundable Caution Deposit (IFRSD)	50,000	-	-	-
<b>TOTAL COURSE FEES*</b>	<b>7,70,000</b>	<b>7,20,000</b>	<b>7,20,000</b>	<b>4,80,000</b>

- The Seat Block Fee will be adjusted against the First Semester fees.
- Hostel and Mess fees will not be applicable during University-approved internship semesters when learners are not residing on campus. If a learner chooses to stay on campus during such semesters, charges will be levied on a pro-rata basis. If the internship semester timeline changes, Hostel and Mess fees will be adjusted accordingly based on the revised period of campus residence.
- If opted through us, the MacBook Pro or MacBook Air (M4), subject to availability, will be charged at MRP along with or before the 1st Semester fees deadline (subsidised pricing may be available). The device provided will be the latest available model.



# University Partnership



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!

## Campus Facilities

Indoor & outdoor  
sports complex

Fully equipped  
recreational facilities

Modern  
lecture hall

Cutting-edge  
research centres

Collaborative  
study spaces





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Mathematics (Calculus & Linear Algebra)    Introduction to Machine Learning

### Projects

- Optimise "last-mile delivery" routes for a delivery app
- Build a news content recommendation app
- Build a social app where users can create and update posts
- Find vulnerabilities through ethical hacking

### Beyond Classroom Learning



#### Build Features for Products

From classroom to real-world, creating meaningful impact



#### Product Hunt Challenge

Build & launch a product with live user reviews



#### Freelancing Challenge

Earn, learn, and build a personal brand



#### Big Tech Trek

Step into the offices of tech giants

# Program Summary

## Year 3 | **Achieve**

In the 3rd year at NST, students gain industry-relevant experience through internships, preparing them for a smooth transition into a technology industry career.

### Core Subjects

Deep Learning   Operating Systems & Computer Vision   Introduction to AI   Natural Language Processing  
Modern Computer Architecture   TOC / Compiler / Cybersecurity (MOOCs)

### Projects

- Build a scalable auction platform
- Build a scalable live-streaming application
- Build collaborative applications like Google Docs
- Explore system-level debugging and computer architecture concepts

### Beyond Classroom Learning



#### Development Projects

Build, iterate, and innovate – one breakthrough at a time



#### Deep Tech Projects

Innovate and build your profile for higher academic pursuits



#### Product Launch Challenge

Launch and validate software and/or hardware ideas

## Year 4 | **Succeed**

In the 4th year at NST, students apply their expertise and specialization through a focused internship, often with strong potential for receiving a full-time offer afterward.

### Core Subjects

Industry-Driven Internship  
Professional Engineering Experience   Real-World Problem Solving   Industry Tools & Practices  
Team-Based Development   Code Review & Quality Standards   Career-Oriented Exposure

### Beyond Classroom Learning



#### Workplace Foundations

Work within real teams and delivery cycles



#### Deep Tech Projects

Innovate and build your profile for higher pursuits



#### Startup Incubation

From idea to investment opportunity – raise capital while you study

## What You'll Achieve After NST:

- A UGC-recognised B.Tech. degree in CS & AI from Ajeenkya DY Patil University.
- NSDC-recognised certifications valued 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 Ajeenkya DY Patil University. Now, it's your turn to become part of this story of innovation and transformation.

### Year-on-Year Fee Structure Breakdown- 2025

Fee Components	Year 1	Year 2	Year 3	Year 4
Seat Block Fee	50,000	-	-	-
Tuition Fee	3,12,500	3,12,500	3,12,500	3,12,500
Upskill & Technology Fee	1,00,000	1,00,000	1,00,000	1,00,000
Refundable Caution Deposit (IFRSD)	50,000	-	-	-
<b>TOTAL COURSE FEES*</b>	<b>4,62,500</b>	<b>4,12,500</b>	<b>4,12,500</b>	<b>4,12,500</b>

- The Seat Block Fee will be adjusted against the First Semester fees.
- Hostel and Mess fees will not be applicable during University-approved internship semesters when learners are not residing on campus. If a learner chooses to stay on campus during such semesters, charges will be levied on a pro-rata basis. If the internship semester timeline changes, Hostel and Mess fees will be adjusted accordingly based on the revised period of campus residence.
- If opted through us, the MacBook Pro or MacBook Air (M4), subject to availability, will be charged at MRP along with or before the 1st Semester fees deadline (subsidised pricing may be available). The device provided will be the latest available model.



# University Partnership



**S-VYASA**  
*Deemed-to-be University*  
SCHOOL of ADVANCED STUDIES

The institution blends the Gurukula style of education with a modern scientific approach, placing a strong emphasis on practical, hands-on experience and in-depth research. Students at S-VYASA undergo a unique form of education that integrates Life Training and Character Building through Yoga as a way of life.

## Campus Facilities

Smart classrooms  
and labs

Fully equipped  
sports facilities

Collaborative  
study spaces

Library with extensive  
academic resources

Modern  
seminar hall





# Program Summary

## Year 1 | **Build**

The curriculum provides a strong foundation in computer science, utilizing hands-on projects to solidify core concepts.

### Core Subjects

Data structure & Algorithm    Front-end Development    Mathematics - Foundation & Advanced

### Projects

- Build a Gen-AI powered CRM platform
- Create a social media analyzer using Python
- Create a portfolio website
- Build interactive games
- Develop a dynamic & interactive social media feed

### Beyond Classroom Learning



#### International Immersion

See how technology is changing the world



#### Open Source for an Open World

Pursue GSoC and create lasting impact



#### Competitive Programming

Fuel your inner champion through ICPC



#### Tech Hackathons

Turn ideas into game-changing innovations

## Year 2 | **Innovate**

The curriculum facilitates the expansion of skills necessary for developing scalable, data-driven systems and offers insights into the forefront of technological innovation.

### Core Subjects

Back-end Engineering    CS Fundamentals    Advanced programming/OOP    Data & Visual Analytics  
Mathematics (Calculus & Linear Algebra)    Introduction to Machine Learning

### Projects

- Optimise “last-mile delivery” routes for a delivery app
- Build a news content recommendation app
- Build a social app where users can create and update posts
- Find vulnerabilities through ethical hacking

### Beyond Classroom Learning



#### Build Features for Products

From classroom to real-world, creating meaningful impact



#### Product Hunt Challenge

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#### Freelancing Challenge

Earn, learn, and build a personal brand



#### Big Tech Trek

Step into the offices of tech giants

# Program Summary

## Year 3 | **Achieve**

Students gain industry-relevant experience through internships, preparing them for a smooth transition into the technology industry.

### Core Subjects

- Deep Learning
- Operating Systems & Computer Vision
- Introduction to AI
- Natural Language Processing
- Modern Computer Architecture
- TOC / Compiler / Cybersecurity (MOOCs)

### Projects

- Build a scalable auction platform
- Build a scalable live-streaming application
- Build collaborative applications like Google Docs
- Explore system-level debugging and computer architecture concepts

### Beyond Classroom Learning



#### Development Projects

Build, iterate, and innovate – one breakthrough at a time



#### Deep Tech Projects

Innovate and build your profile for higher academic pursuits



#### Product Launch Challenge

Launch and validate software and/or hardware ideas

## Year 4 | **Succeed**

By year four, students apply their expertise and specialization through a focused internship, often with strong potential for industry transition.

### Core Subjects

- Industry-Driven Internship
- Professional Engineering Experience
- Real-World Problem Solving
- Industry Tools & Practices
- Team-Based Development
- Code Review & Quality Standards
- Career-Oriented Exposure

### Beyond Classroom Learning



#### Workplace Foundations

Work within real teams and delivery cycles



#### Deep Tech Projects

Innovate and build your profile for higher pursuits



#### Startup Incubation

From idea to investment opportunity – raise capital while you study

## What You'll Achieve After NST:

- A UGC-recognised B.Tech. degree in CS & AI from S-Vyasa University.
- NSDC-recognised certifications valued 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 S-Vyasa University. Now, it's your turn to become part of this story of innovation and transformation.

### Year-on-Year Fee Structure Breakdown- 2025

Fee Components	Year 1	Year 2	Year 3	Year 4
Seat Block Fee	50,000	-	-	-
Tuition Fee	3,80,000	3,80,000	3,80,000	3,80,000
Upskill & Technology Fee	1,20,000	1,20,000	1,20,000	1,20,000
Refundable Caution Deposit (IFRSD)	50,000	-	-	-
<b>TOTAL COURSE FEES*</b>	<b>5,50,000</b>	<b>5,00,000</b>	<b>5,00,000</b>	<b>5,00,000</b>

- The Seat Block Fee will be adjusted against the First Semester fees.
- Hostel & Mess Details is expected to be updated by 31st May, 2026. The Starting fees will be in a bracket of (1.1 - 1.2 lacs) per semester, inclusive of shuttle service (if required).
- If opted through us, the MacBook Pro or MacBook Air (M4), subject to availability, will be charged at MRP along with or before the 1st Semester fees deadline (subsidised pricing may be available). The device provided will be the latest available model. Final details will be announced by 31st May, 2026.
- Please note that the University may charge additional fees as applicable, including examination fees, backlog fees, convocation fees, uniform/blazer fees, and other university-related charges, which are not included in the program fee.



# University Partnership



SMRU, located in Hyderabad, delivers a future-focused learning experience built on strong global exposure and real-world relevance, backed by a proven legacy of excellence since 1996 and a 120-acre world-class campus designed for ambitious minds, where international partnerships and immersive hands-on learning come together to shape industry-ready professionals.

## Campus Facilities

Modern Hostels

Fully equipped sports facilities

Advanced Labs

Wellness Center

Innovation Hub





# Program Summary

## Year 1 | **Build**

The curriculum provides a strong foundation in computer science, utilizing hands-on projects to solidify core concepts.

### Core Subjects

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### Projects

- Build a Gen-AI powered CRM platform
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- Create a portfolio website
- Build interactive games
- Develop a dynamic & interactive social media feed

### Beyond Classroom Learning



#### International Immersion

See how technology is changing the world



#### Open Source for an Open World

Pursue GSoC and create lasting impact



#### Competitive Programming

Fuel your inner champion through ICPC



#### Tech Hackathons

Turn ideas into game-changing innovations

## Year 2 | **Innovate**

The curriculum facilitates the expansion of skills necessary for developing scalable, data-driven systems and offers insights into the forefront of technological innovation.

### Core Subjects

Back-end Engineering   CS Fundamentals   Advanced programming/OOP   Data & Visual Analytics  
Mathematics (Calculus & Linear Algebra)   Introduction to Machine Learning

### Projects

- Optimise “last-mile delivery” routes for a delivery app
- Build a news content recommendation app
- Build a social app where users can create and update posts
- Find vulnerabilities through ethical hacking

### Beyond Classroom Learning



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#### Product Hunt Challenge

Build & launch a product with live user reviews



#### Freelancing Challenge

Earn, learn, and build a personal brand



#### Big Tech Trek

Step into the offices of tech giants

# Program Summary

## Year 3 | **Achieve**

Students gain industry-relevant experience through internships, preparing them for a smooth transition into the technology industry.

### Core Subjects

Deep Learning   Operating Systems & Computer Vision   Introduction to AI   Natural Language Processing  
Modern Computer Architecture   TOC / Compiler / Cybersecurity (MOOCs)

### Projects

- Build a scalable auction platform
- Build a scalable live-streaming application
- Build collaborative applications like Google Docs
- Explore system-level debugging and computer architecture concepts

### Beyond Classroom Learning



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#### Deep Tech Projects

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#### Product Launch Challenge

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## Year 4 | **Succeed**

By year four, students apply their expertise and specialization through a focused internship, often with strong potential for industry transition.

### Core Subjects

Industry-Driven Internship  
Professional Engineering Experience   Real-World Problem Solving   Industry Tools & Practices  
Team-Based Development   Code Review & Quality Standards   Career-Oriented Exposure

### Beyond Classroom Learning



#### Workplace Foundations

Work within real teams and delivery cycles



#### Deep Tech Projects

Innovate and build your profile for higher pursuits



#### Startup Incubation

From idea to investment opportunity – raise capital while you study

## What You'll Achieve After NST:

- A UGC-recognised B.Tech. degree in CS & AI from St. Mary's University.
- NSDC-recognised certifications valued 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 St. Mary's University. Now, it's your turn to become part of this story of innovation and transformation.

### Year-on-Year Fee Structure Breakdown

Fee Components	Year 1	Year 2	Year 3	Year 4
Seat Block Fee	50,000	-	-	-
Tuition Fee	4,00,000	4,00,000	4,00,000	4,00,000
Refundable Caution Deposit (IFRSD)	50,000	-	-	-
<b>TOTAL COURSE FEES*</b>	<b>5,00,000</b>	<b>4,00,000</b>	<b>4,00,000</b>	<b>4,00,000</b>

- The Seat Block Fee is a part of the Total Course Fees.
- Hostel and Mess fees will not be applicable during University-approved internship semesters when learners are not residing on campus. If a learner chooses to stay on campus during such semesters, charges will be levied on a pro-rata basis. If the internship semester timeline changes, Hostel and Mess fees will be adjusted accordingly based on the revised period of campus residence. Hostel & Mess Details is expected to be updated by 30th April, 2026.
- If opted through us, the MacBook Pro or MacBook Air (M4), subject to availability, will be charged at MRP along with or before the 1st Semester fees deadline (subsidised pricing may be available). The device provided will be the latest available model.
- Please note that the University may charge additional fees as applicable, including examination fees, backlog fees, convocation fees, uniform/blazer fees, and other university-related charges, which are not included in the program fee.



# Student 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.





# Here to Revolutionise Tech Education in India





# Our Commitment to India's Tech Future

For decades, India has produced talented engineers, yet the country still struggles to make its mark on global coding stages, build breakthrough startups, and drive real innovation. Many graduate student graduates obsess over jobs, but not preparing to deliver value, build real skills for creating, experimenting, or solving world-scale problems.



The ICPC is the world's most prestigious coding championship, and India is still chasing its first title. NST's GoForGold program trains top student coders every year through intensive bootcamps, daily contests, and problem-solving challenges with world-class mentors, preparing them to compete at global standards and graduate as world-ready problem solvers.

## Our Vision

With structured guidance, expert mentorship, and a dedicated community, we believe India can become a global contender. This is why we've launched Go For Gold—an initiative by Newton School of Technology (NST) to foster a culture of competitive programming excellence.

## Why It Matters

Through this bootcamp, we aim to build a supportive, vibrant ecosystem for top programmers in India, and drive them to success in global competitions.

## Highlights



### Team Development:

Building cohesive teams that complement each other's strengths



### Specialised Training:

Advanced algorithm workshops and problem-solving bootcamps



### Expert Mentorship:

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



### 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 Baliga**

Master on CodeForces



**Priyansh Agrawal**

ICPC World Finalist



**Utkarsh Gupta**

2x ICPC World Finalist,  
Grandmaster

//

**If we teach today as  
we taught yesterday,  
we'd rob our children  
of tomorrow**

//

-John Dewey



# International Immersion Programme

## NST Study Trek in China (2025)

NST students experienced a high-impact international immersion across China's rapidly evolving tech and innovation ecosystem, blending industry exposure, academic engagement, and cultural exploration. Through research labs, expert-led sessions, and visits to iconic landmarks like the Great Wall and Summer Palace, students gained first-hand insights into AI, e-commerce, biotech, and emerging technologies, building a well-rounded global perspective on innovation.

Key industry and academic exposure included visits to Zhipu AI, Alibaba, JD.com, and Baidu Apollo, along with sessions by Fupeng (Former Director, Alibaba Cloud Industrial Energy Division) and Sophia (Tsinghua University Institute of Education; AIESEC MoC). Students also engaged with Beijing Foreign Studies University and explored innovation hubs and research labs.



# International Immersion Programme

## NST Study Trek in Singapore (2025)

NST students experienced an immersive international journey in Singapore, combining deep tech exposure with global experiences. From understanding real-world startup ecosystems to exploring cutting-edge research in AI and robotics, the trip offered a first-hand glimpse into innovation at a global scale, complemented by cultural experiences across the city's iconic landmarks.

Students engaged with leaders like Gaurav Bubna (nextbillion.ai), Brian West (Graviton), Shradha Chhaparia, and Tina Chopra. They also visited Singapore University of Technology and Design and explored landmarks including Singapore Flyer, Universal Studios Singapore, Marina Bay Sands, and Changi Airport.



# International Immersion Programme

## NST Study Trek in Germany (2026)

NST students experienced an enriching international immersion in Germany, blending innovation, entrepreneurship, and cultural learning. The trek provided exposure to Europe's startup ecosystem, industrial practices, and historical context, creating a well-rounded understanding of how technology and innovation operate within a global framework.

Students explored MotionLab.Berlin and Betahaus Berlin, participating in workshops and interacting with founders like Fei Fang (Nexiam UG). The experience also included a visit to BMW Motorradwerk Berlin and a guided tour of the Reichstag Building, highlighting both industrial innovation and historical insights.





# International Immersion Programme

## NST Study Trek in China (2026)

NST students embarked on a transformative immersion across China's Greater Bay Area, gaining first-hand exposure to world-class innovation ecosystems. Through deep-tech learning, cultural exchange, and interactions across research and entrepreneurial hubs, students developed a global perspective on building, scaling, and innovating with impact from day one.

Key visits included BYD, DJI, Gree Electric Appliances, Zhuhai Yiwei Semiconductor, and Lingyange Semiconductor, along with sessions by Wang Hongli, Sandeep Kelsangada, Wu Lieming, and Mark Jiang. Students also engaged with University of Macau, Beijing Normal University, Hengqin-Macau Youth Entrepreneurship Valley, Huaqiangbei Electronics Market, and Zhuhai Museum.





## Eligibility & Admissions

- Completed Class XII with Physics, Chemistry, and Mathematics from a recognised board in 2024, 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 Online Interview round.

## Admission Process

- 1 Sign up on our website**  
Register for the NSAT Exam
- 2 Take the NSAT entrance test**  
Complete the 180-minute assessment covering General Aptitude, Mathematics, & English.
- 3 Online interview round**  
Personal interview with industry experts, where you'll showcase your problems-solving skills.
- 4 Counselling & admission**  
Once you clear the interview, you'll be invited to the university campus counseling session.
- 5 Block your seat**  
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% first-year tuition waiver based on NSAT score and interview performance.



## JEE Excellence Scholarship:

100% waiver on all 4-year fees for students with JEE Main/Advanced 2026 AIR under 10,000.



## Young Women Leader Scholarship:

Up to 10% tuition waiver for 4 years for female candidates with coding projects, leadership, or notable extracurricular achievements.



## Extraordinary Achievement Scholarship:

Up to 10% tuition waiver for 4 years for students with Olympiads, tech internships, strong coding projects, or major achievements.

➤ Scholarships are applicable only to tuition fees.

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.\*



Newton School of Technology acts solely as a facilitator between applicants and partnered financial institutions and does not function as a lender or guarantor. All interest rates, loan terms, and eligibility criteria are indicative and subject to change based on the applicant's profile and lender policies. Loan approval is not guaranteed and is subject to independent assessment and final decision by the respective financial institution.



contact us:



[admissions.nst@newtonschool.co](mailto:admissions.nst@newtonschool.co)