



**BRINGING TOGETHER  
INDIA'S BRIGHTEST YOUNG MINDS**  
to excel, collaborate and give back to the nation.



**Fully-funded**

**Applications open on November, 1<sup>st</sup> 2023.**



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It is not only a loss to the individual, but also to the society and the nation if a capable child is not able to achieve success. We want to play a supportive role to address the gap, which comes up due to a variety of reasons. The Lodha Genius Programme is a major step to drive collaborative and large-scale solutions to identify, as well as nurture, India's rich pool of highly able students.

**Abhishek Lodha**

Managing Director and Chief Executive Officer, Lodha




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At Ashoka, we firmly believe in nurturing future leaders by developing their talent and ingraining in them a commitment to public service in their formative years. We are delighted to partner with Lodha, who share our vision of nation-building. The Lodha Genius Programme will bolster our vision to become an inclusive institution of excellence by giving talented school students access to a world-class educational experience.

**Dr. Pramath Raj Sinha**

Chair of the Board of Trustees of Ashoka University



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# ABOUT THE PROGRAMME



The Lodha Genius Programme, designed and delivered by Ashoka University, is a year-long programme comprising a 4-week campus learning experience and year-round personal and academic mentorship.

The programme selects and supports one hundred high-achieving students, fostering a strong and supportive student community from Grade 9 through until they start their careers.

The Lodha Genius Programme is fully funded for students and for the schools who support them.

## VISION

To significantly increase the proportion of Indians who will reach their full potential as changemakers, leaders and philanthropists by nurturing and inspiring the nation's brightest young minds and instilling in them the spirit of giving back to the nation and society.

“

Over the course of the sessions, we were compelled to think creatively, an uncommon experience in mathematics, to find novel methods to solve problems we had never seen before. I have learned the significance of asking thought-provoking questions, simplifying intricate concepts, and, perhaps most significantly, acknowledging the vast extent of my own ignorance, all the while nurturing an enduring sense of wonderment.”

”

**ANSHUL BHATT - '23 Cohort**

Dhirubhai Ambani International School, Mumbai

# WHAT DOES THE PROGRAMME OFFER STUDENTS?



Learn from an exceptional faculty of professors, scientists, mathematicians, artists and industry experts assembled at Ashoka University from across the globe



Engage in experiential science and mathematics projects and have the opportunity to publish your research



Experience personal transformation and get inspired to give back to the nation

“

It was a great opportunity - and I learned about managing my schedule, making decisions, taking care of myself, also meeting new friends from all over the country and challenging myself every day. At first, I thought a month would be very long, but towards the end, it turned out to be too little time. The time spent at Ashoka was a rollercoaster in its true essence, a struggle and cakewalk all at once. I've made so many new memories, I've grown more confident, become independent, and had a productive summer break too.

”

**RHEA CHADHA - '23 Cohort**

Shiv Nadar School, Noida



# AN EXCEPTIONAL FACULTY



**Somak Raychaudhury**  
Vice Chancellor  
Ashoka University



**K. VijayRaghvan**  
Former PSA to Govt.  
of India, Chair - Science  
Advisory Council,  
Ashoka University



**Jack Szostak**  
Professor, University of  
Chicago, Nobel Prize  
Winner for Physiology or  
Medicine (2009)



**Yamuna Krishnan**  
Professor,  
University of Chicago



**Manish Gupta**  
Director,  
Google Research India



**Priyamvada Natarajan**  
Professor and Chair -  
Department of  
Astronomy,  
Yale University



**Chandrashekhar Khare**  
Professor,  
University of California  
at Los Angeles



**Manu Prakash**  
Associate Professor,  
Stanford University



**Gautam Menon**  
Professor, Ashoka  
University



**Amitabha Tripathi**  
Professor,  
IIT Delhi



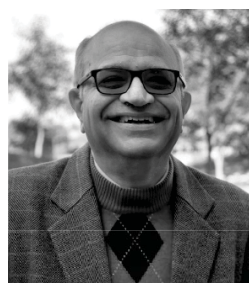
**Uday Maitra**  
Professor,  
Indian Institute of  
Science, Bangalore



**Shanta Laishram**  
Professor, Indian  
Statistical Institute (ISI)



**Krishnan Rajkumar**  
Professor,  
Jawaharlal Nehru  
University



**Rajendra Bhatia**  
Professor, Ashoka  
University



**Sushmita Mohanty**  
Director General,  
Spaceport Sarabhai



**Sushan Konar**  
Visiting Scientist,  
National Centre for  
Radio Astrophysics, TIFR



**Ajit Kumar**  
Affiliate Senior Scientist,  
Center for Wildlife  
Studies, Bangalore



**Manoj Mathew**  
Software Solutions  
Manager,  
Carl Zeiss, Germany



## Great Ideas Seminar

A bridge between innovative concepts and curious minds, our Great Ideas Seminars assemble luminaries from diverse fields and expose our young learners to new discoveries and horizon-expanding inventions.



“

From the opportunity to learn from some of the most prominent thinkers, scientists, innovators and artists, to networking with luminaries across diverse fields, my eyes are now open to new ideas and possibilities.

”

**ANSH TIWATNE - '23 Cohort**  
Evergreen Public School, New Delhi

“

“One seminar, given by Susmita Mohanty was particularly captivating as she spoke about something I am really passionate about - Space Settlement, Life Support System and Sustainability. She also kept the sessions interactive and shared fascinating insights.

Her entrepreneurial spirit and passion for what she does motivates me greatly!”

”

**MANNAT KAUR - '23 Cohort**  
Delhi Public School, RK Puram, New Delhi

# EXPERIENTIAL SCIENCE AND MATHEMATICS PROJECTS

## Choice of twelve deep-dive, specialist tracks

In the **Experiential Science Projects**, all the students will have the opportunity to do hands-on projects from two areas out of ten specialized tracks under the supervision of researchers from various international universities and institutes.

The **Mathematics for All** aims to open the applied perspective of math by connecting it to arts, sciences, technology, and more. The **Mathematics Problem Solving** elective, open to 11<sup>th</sup> and 12<sup>th</sup> graders, offers specialized mentoring by International Mathematics Olympiad experts.



Life Sciences



Microscopy



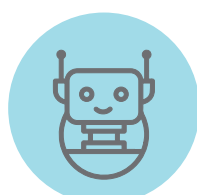
Ecology



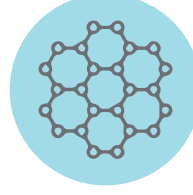
QBio/Computational  
Analysis



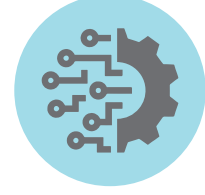
Art & Astronomy



AI & Robotics



Nanofabrication



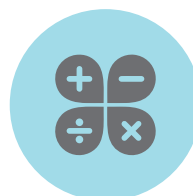
Technology  
Education



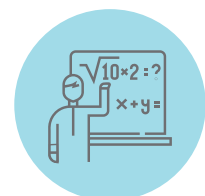
Industrial Design



Chemistry



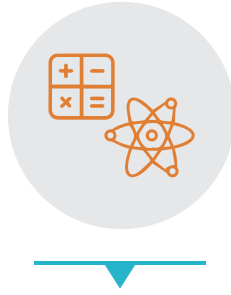
Mathematics  
for All



Mathematics  
Problem Solving

From 2024, students in their second year of the programme will have the opportunity to work on a **capstone project** with support from specialist mentors.





## BUILDING TELESCOPES AND EXPLORING THE COSMOS

Students from the 23' cohort had the opportunity to craft their very own Galilean Telescopes with premium kits. Guided by IUCAA experts, they assembled telescopes during an exhilarating four-day workshop. They witnessed the enchanting night sky and captured breathtaking images of the moon and planets. Equipped with newfound knowledge and sky mapping skills, these students took the universe home.



## EXPLORING ECOLOGY: BEYOND THE CLASSROOM

The students immersed themselves in nature, turning the pages of books into thrilling outdoor adventures. They explored the ecosystem through captivating activities: observing human-macaque interactions, studying bats, and unraveling carbon footprints. Equipped with sophisticated binoculars and ultrasonic detectors, they embarked on field trips to decode the secrets of bats and explore the lush macaque habitat.

## DEEP DIVING INTO THE WORLD OF MATHEMATICS

The 23' cohort had a unique opportunity to explore the world of mathematical problem-solving. Focusing on the Olympic level problems, the students challenged themselves to solve complex problems. They learned new perspectives on analyzing a problem and finding quick solutions to them.



# PERSONAL TRANSFORMATION AND GIVING BACK

## Lodha Genius Programme Payback track

Lodha Genius Programme enables the students to take part in various educational activities in the society that eventually plays a significant role in nation building. They also get the opportunity to work with India's most impactful nonprofit organizations on solving the problems in the country for a better future.



“

Before coming to the programme, I felt that 1 month would be too long to stay away from home during summer. But now as I'm leaving, the same 1 month feels so short! I've learnt a lot of things here apart from science and mathematics - I've tremendously improved my ability to communicate with people and be more social. This has been an experience of a lifetime!

”

**ABHINAY - '23 Cohort**

Vidygyan School, Sitapur

“

This 1 month at the Lodha Genius Programme was amazing! All our classes, activities and projects, and even the life outside our classrooms were something to look forward to every day. Not only have I learnt a lot, but I've made unforgettable memories with all the new friends I have made here. I am so grateful to have this opportunity to learn at the LGP!

”

**ANJANEYA DANI - '23 Cohort**

Delhi Public School, Bengaluru



## Experience personal transformation and give back to the nation



Aarth Singal, a student of the Lodha Genius Programme (LGP) at Ashoka University, was inspired by the foldscopes he learned about during the 4-week on-campus module.

He organized workshops on foldscopes for school and college students across India, along with professor Manu Prakash from Stanford University, who introduced him to foldscopes during the program. Aligning with the LGP's aim, Singal wanted to promote scientific understanding and foster curiosity amongst young adults, including those from disadvantaged backgrounds.

Singal has been running these workshops for the past few months, and he has been very successful.

During these workshops, he was also supported by other Teaching Assistants and Teaching Fellows of the LGP to make these workshops a huge success.

He has taught hundreds of students how to make and use foldscopes, and they have all been fascinated by the

technology. They have been able to see things that they never would have been able to see with their naked eyes, and they have been excited to learn more about the world around them.

# HOW TO APPLY



## AGE REQUIREMENT

**Students enrolled in class 9,10,11 or 12**

as of May 2024

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## REQUIRED DOCUMENTS

### **Letter of consent – Parents:**

allowing student's involvement in the 4-week on-campus programme



### **Letter of consent and recommendation – Head of school: (optional)**

allowing student's involvement in the 4-week on-campus programme

### **Latest marksheets**

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**Online Application opens on 1<sup>st</sup> November, 2023**

- 1 Apply online**  
www.lodhageniusprogram.com 
- 2 National Level Online Test**  
(MCQ-based) 
- 3 Online Interview**  
for shortlisted students 

## PLEASE NOTE:

Applications for the 2024 cohort will take place in 2 rounds:

- Round 1 applications open on 1 November, 2023
- Round 2 applications open on 1 January, 2024

There will be 100 new seats available

4-Week Campus Learning 2024: 17 May - 16 June 2024



# SNAPSHORTS FROM COHORT'23

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# SNAPSHOTS FROM COHORT'23

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For more FAQ's please visit our website:

**[www.lodhageniusprogramme.com](http://www.lodhageniusprogramme.com)**

### Contact us:

✉ Email: [lodhageniusprogramme@ashoka.edu.in](mailto:lodhageniusprogramme@ashoka.edu.in)

☎ Helpdesk: 9050015992, 7419782135

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