



**RISE**

# RESEARCH SCHOLAR PROGRAM

Ambition meets  
Excellence

Your Gateway to Success Starts Here

# Table of Contents



About Us	1
Why Research	2
Areas of Research	3
Program Timeline	4
Rise Scholar Research	5
Publications & Competitions	7
Team Expertise	8
Programs Offered	9
Application Deadline	10
Application Timeline	11
Student Testimonials	12
Partnerships & Contact	13

# About Us



At RISE, we redefine academic excellence by empowering ambitious students through personalized mentorship and transformative educational opportunities. Recognizing that young scholars need more than traditional learning, we connect them with mentors from Oxbridge and Ivy Leagues. Our tailored programs in research, interview preparation, and academic tutoring nurture curiosity, build essential skills, and inspire the next generation of leaders and innovators.



## Our Mission

To empower future leaders through exceptional mentorship and transformative education.

# Why Research?



## CalTech

45% of admitted CalTech students included original research in their applications, demonstrating academic initiative.



## UPenn

Nearly one-third of students accepted to UPenn did research in high school, proving their drive and curiosity.



## Stanford

Stanford looks for 'Intellectual Vitality,' valuing students who are eager to learn and explore.



## Harvard

Harvard's highest academic rating, based on 'strong scholarship' and 'creative thinking' increases acceptance chances by almost 8x.

# Our Process

RISE empowers ambitious students with elite mentorship, guiding them to publish in the **top 10%** of journals globally.



Recognize a problem that you are eager to solve



Engage in an independent research endeavor



Guidance from researchers affiliated with Oxbridge and IIT/BITS Pilani



Publication in an academic high school/collegiate journal

# Areas of Research



## STEM

- Data Science
  - Physics & Astrophysics
  - Biology
  - Computer Science
  - Neuroscience
- Medicine
  - Chemistry
  - Engineering
  - Mathematics
  - Architecture



## HUMANITIES AND SOCIAL SCIENCES

- Economics
  - Psychology
  - Business
  - International Relations
  - Environment Studies
  - Gender Studies
- History
  - Philosophy
  - Education
  - Classics
  - Law Linguistics
  - Sociology

# Program Timeline

A step-by-step timeline guiding you from initial exploration to final submission, ensuring a structured and impactful research.



## Week 1

Meet with your mentor to choose a topic and identify a research question.



## Week 2-4

Frame the research design and hypotheses for the research process with your dedicated Oxbridge mentor.



## Week 4-6

Write the research paper with guidance from your research mentor and writing coach.



## Week 6-8

Make final edits to your paper before evaluation and submission.



## Publication

Mentors will help students submit an application to a publication journal.

---

# Rise Scholar Research

---

## → Math & music – a deep analysis on music habits and mental health disorders

*Discipline: AI/ML, Cognitive Sciences*

This study investigates the relationship between music-listening habits and mental health conditions such as anxiety, depression, insomnia, and OCD. Utilizing a self-reported dataset analyzed through machine learning models—including linear regression, Random Forests, and neural networks—the research finds that while certain patterns emerge, the overall predictive power remains modest. This suggests that music habits alone cannot fully explain variations in mental health, highlighting the multifactorial nature of mental well-being and the need for future studies to incorporate broader lifestyle and environmental factors.

---

## → The biases that influence jewellery purchasing decisions

*Discipline: Behavioural Economics*

This study delves into how cognitive biases shape consumer behavior in the jewellery market. It examines four key biases—anchoring, scarcity, bandwagon, and status quo—and their impact on purchasing decisions. Through a literature review and a survey of Indian consumers, the research highlights how these biases influence perceptions of value, exclusivity, and brand loyalty. The findings suggest that while these biases affect consumer behavior, their impact varies across different individuals and contexts, offering valuable insights for marketers in the luxury goods sector.

---

## → Impact of COVID-19 on education system

*Discipline: Data Analytics, Technology*

The research aims to examine the global impact of COVID-19 on education systems, focusing on online education's effects on various student age groups through a survey. By correlating findings from primary research and reviewing existing literature, the study identifies the benefits and drawbacks of online learning. Ultimately, it provides an unbiased perspective on COVID-19's influence on education and analyzes students' academic performance during the pandemic.

---

---

## → Examining the relationship between anxiety in parents and child well-being

*Discipline: Psychology, Behavioral Sciences*

This study explored the link between parental anxiety and child well-being (anxiety, self-esteem, emotional recognition, and locus of control) in 16 families (N = 48) using a correlational cross-sectional design. Parents and children completed standardized questionnaires in an online session. Results showed that higher parental anxiety was linked to higher child anxiety and self-esteem, and that parental perception of child anxiety aligned with the child's self-reports. While child anxiety showed no strong link to self-esteem or emotion recognition, it was associated with an external locus of control. The study underscores the need for more research and stronger mental health support systems for Indian families.

---

## → Insights into high entropy prussian blue batteries: lattice mechanics, synthesis and enhancement

*Discipline: Organic Chemistry*

Prussian Blue Analogues (PBAs), especially high-entropy variants (HE-PBAs), are emerging as promising energy storage materials due to their stable, open lattice structures and tunable electrochemical properties. With mixed-valence metal centers, HE-PBAs improve cation distribution and ion transport. This review highlights scalable synthesis methods like coprecipitation, as well as enhancements such as vacancy engineering and carbon coating. Studies using X-ray diffraction and microscopy show that structural modifications boost conductivity and ion mobility. HE-PBAs consistently demonstrate high capacity, fast charge-discharge rates, and cost-effective preparation, making them strong candidates for large-scale energy storage.

---

## → Awareness of pink tax and its socioeconomic implications

*Discipline: Sociology, Gender Studies*

This paper investigates Indian consumers' awareness and behavior regarding the Pink Tax, which refers to higher prices for products marketed to women. Using primary data and experiments, the study identifies gender-based pricing strategies and explores demographic factors influencing awareness and attitudes. The findings reveal that women are more aware of the Pink Tax and hold strong opinions against it. The study concludes that many consumers view the Pink Tax negatively, highlighting the need to address this marketing issue.

# Publications & Competitions

## International Science and Engineering Fair (ISEF)

Hosted by the Society for Science, the International Science and Engineering Fair (ISEF) is the world's largest pre-college STEM competition, drawing thousands of entries from across the globe each year.

## Regeneron Science Talent Search (STS)

It provides a unique platform for students to present their original research while demonstrating a comprehensive understanding of STEM fields.

## ExploraVision

The ExploraVision challenge, hosted by Toshiba and the National Science Teaching Association, invites high school students to engage in real-world problem-solving with a strong emphasis on STEM.

## Junior Science and Humanities Symposium (JSHS)

The Junior Science and Humanities Symposium (JSHS) stands as one of the most prominent science fairs in the United States, backed by government support.

## High School Academic Research Competition

Sponsored by the Astronomical Society of the Pacific, the Student Astronomy Research Competition encourages students to explore celestial phenomena, develop their own research questions, and present their findings.

## MIT THINK Scholars

The THINK Scholars program is conducted by a group of undergraduates at MIT. It is designed for students who have done extensive background work on a potential research project in a STEM field and seek additional guidance in the early stages of their project.

## Global Scientific Journal (GSJ)

GSJ is a peer-reviewed open access journal organization & research platform that meets high quality standards by exercising peer review and editorial quality control. GSJ covers the publication of research articles from all areas of science, art, management and technology.

## International Journal For Multidisciplinary Research (IJFMR)

IJFMR is a widely indexed, open access, peer reviewed, multidisciplinary, international, scholarly online journal, helping researchers to share their research work since 2019.

# Team Expertise

With years of experience and deep knowledge in their fields, our Ivy League and Oxbridge mentors provide personalized guidance to help you excel.



**Alyssa Mia Talitotis**

Data Science & ML  
Harvard X MIT



**Ben Yang**

Computer Science  
Columbia University



**Yifan Hu**

Artificial Intelligence  
Harvard University



**Marina Minkin**

Computer Security  
University of Michigan



**Matt Baugham**

Computer Science  
University of Chicago



**Kosha Modia**

Economics  
Columbia University



**Liam Myles**

Clinical Psychology  
University of Oxford



**Zain Ahmad**

Political Sciences  
University of Cambridge



**Kendra Nydam**

History  
University of Cambridge

# Programs Offered

What we offer	Standard Package	Premium Package
1-on-1 session with Oxbridge Mentor	5	8
1-on-1 session with Writing Coach	5	8 - 12
Letter of Recommendation (LOR)	✓	✓
Oversight from PhD professor from top universities	✓	✓
Goal Output	College level academic paper	Publication in high-school or college-level journal
Pricing	\$1,600	\$2,000
Duration	8-10 weeks	

*\*Scholarships awarded based on merit.*

# Application Deadline & Program Dates



COHORT	APPLICATION DEADLINE	COHORT TIMING
SPRING I COHORT 2025	31 <sup>st</sup> January	Rolling
SPRING II COHORT 2025	15 <sup>th</sup> February	Rolling
SUMMER I COHORT 2025	30 <sup>th</sup> April	Rolling
SUMMER II COHORT 2025	15 <sup>th</sup> June	Rolling
SUMMER III COHORT 2025	10 <sup>th</sup> July	Rolling
FALL COHORT 2025	31 <sup>st</sup> August	Rolling
WINTER COHORT 2025	30 <sup>th</sup> November	Rolling

# Application Timeline



## APPLICATION FORM

The journey starts with an online registration form where you share basic details about yourself, your academic background, and research interests. This helps RISE match you with suitable opportunities aligned with your goals.



## PROFILE SHORTLISTING

After reviewing your application, RISE assesses profiles based on academic achievements, research passion, and alignment with program objectives to identify suitable candidates.



## INTERVIEW DISCUSSION

Shortlisted candidates have one-on-one interviews with program mentors or coordinators to discuss their motivations, research goals, and expectations, creating a personalized research journey.



## PROGRAM ONBOARDING

Upon selection, you join the RISE research program, where the onboarding process introduces you to mentors, resources, and structured modules to equip you with essential skills and knowledge for impactful research projects.

# Student Testimonials



“RISE helped me explore the intersection of psychology and marketing by analyzing cognitive biases in consumer behavior, giving me an edge in pursuing behavioral economics.”

– Anthony Zhang  
Rick Reedy High School

“RISE allowed me to dive into gender studies and conflict resolution, analyzing policy frameworks and understanding women's roles in post-conflict peacebuilding.”

– Anika Garg  
Dhirubhai Ambani International School

“RISE fueled my passion for sustainable development by deepening my understanding of India's renewable energy policies and GDP growth.”

– Nikhil Iyer  
Sherbone School

“The mentor was really friendly and provided support till the publication was completed. Very impressed by the commitment of the team.”

– Mike White  
Oakton High School

# Our Students



DHIRUBHAI AMBANI  
INTERNATIONAL SCHOOL  
ESTD. 2003



RAFFLES  
INTERNATIONAL  
SCHOOL



## For inquiries, contact us.

 [riseglobaleducation.com](http://riseglobaleducation.com)

 [contact@riseglobaleducation.com](mailto:contact@riseglobaleducation.com)

 +91 96194 57092  
+91 95271 86544

 [Form Link](#)

