



## IRIS National Fair 2023

The Initiative for Research and Innovation in STEM (IRIS) is a research-based national science fair for students. A public-private collaboration between the National Council for Science & Technology Communication (NCSTC) division of the Department of Science and Technology, Government of India, Broadcom and EXSTEMPLAR Education Linkers Foundation, IRIS aims at empowering the next generation of innovators.

With its affiliation to 5 national level mega-fairs - National Children Science Congress (NCSC), Science Fair by National Council of Science Museums (NCSM), Jawaharlal Nehru Science Fair by National Council of Educational Research & Training (NCERT) Innovation in Science Pursuit for Inspired Research (INSPIRE) and Central Board of Secondary Education (CBSE) Science Exhibition, IRIS has emerged as the largest research-based science fair in India.

IRIS provides a platform for young geniuses to represent India at the International Science and Engineering Fair (ISEF). Winners at the ISEF have the opportunity to win over five million US Dollars in awards and scholarships. Regeneron ISEF brings together more than **1,800** high school students from over **80** countries, regions, and territories to showcase their independent research and compete for more than **\$4 million** in awards and scholarships. **Team India** to Regeneron ISEF 2022 won a total of **22 Awards** - the **highest** ever in the history of IRIS!

At the Initiative for Research & Innovation in STEM 2023 (IRIS 2023), finalists showcased their innovations in developing sustainable solutions to community problems, at the **Dr Ambedkar International Centre, New Delhi on January 20-22, 2023**. From among the projects showcased by the **114** next-generation innovators, from **18 states** across the country, **20** winning projects will represent the country as **Team India** at the **Regeneron International Science and Engineering Fair (Regeneron ISEF)** in May 2023 in Dallas, Texas, USA.

In addition to the 20 Grand Award-winning projects, several projects were also given **Special Awards** courtesy of the IRIS National Fair affiliation to Regeneron ISEF. The event was attended by **Mr Srikanth Gummadi, Vice President, Engineering at Broadcom; Dr Manoranjan Mohanty, Head Department Autonomous Division and NCSTC, Department of Science and Technology Government of India; Shri Sujit Banerjee Scientist F, NCSTC Department of Science and Technology Government of India;** along with other distinguished guests from industry and academia.



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Department of Science and Technology  
Government of India



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## Special Award Winners

Iliana Singh - The American Psychological Association Award in Behavioural Science Category.

Nidhi Noronha - Association for Women Geoscientists in the Plant Sciences category.

Tejas Gupta - Society for In Vitro Biology in the Cellular and Molecular Biology category.

Pranshi Shukla & Vanshika - National Geographic Award in Earth And Environmental Sciences category.

Krish Yadav - Broadcom Coding with Commitment in the Systems Software category.

Soumya Agrawal & Vanshika Digania - Society for Science Community Innovation Award in the Translational Medical Science category.

Rishita Ghosh - Ricoh USA, Inc. Award in the Energy: Sustainable Materials & Design.

M. Elambirai - Yale Science and Engineering Association in the Engineering Mechanics category.

IRIS National Fair 2023 was held at the Dr Ambedkar International Center, New Delhi. A total of 114 innovative projects across 18 states were showcased by students. Out of which 08 Projects were awarded with the Special Awards and 20 were declared Grand Award winners or Team India 2023 for **Regeneron International Science and Engineering Fair (Regeneron ISEF)** being held in **May 2023 in Dallas, Texas, USA**





Team India to Regeneration International Science and Engineering Fair (ISEF) 2023, Texas, US

## Grand Award Winners

- Spurti Nimbali - Behavioral and Social Sciences
- Samarth Pandey - Behavioural and Social Sciences
- Aditya Kumar Jha & Ishan Choudhary - Biochemistry
- Shaurya Khosla - Biomedical Engineering
- Jui Abhijit Keskar - Biomedical Engineering
- Tejas Gupta - Cellular and Molecular Biology
- Vedant Lakkundi - Cellular and Molecular Biology
- Sohan Tarigopula - Cellular and Molecular Biology
- Tanmay Vikram Parikh - Chemistry
- Sarvesh Prabhu - Chemistry





## Grand Award Winners

Sneha Pandey & Vineet Narayan Prajapat - Computational Biology and Bioinformatics

Vivasvat Rastogi & Shashvat Rastogi - Computational Biology and Bioinformatics

Nalla Mohan Durga Manikanta & Varda Vinay Kumar - Energy: Sustainable Materials & Design

Ahitagni Das - Environmental Engineering

Anushka Tonapi - Mathematical Sciences

Parth Chavan - Mathematical Sciences

Agnij Moitra - Robotics and Intelligent Machines

Nandika Auluck - Robotics and Intelligent Machines

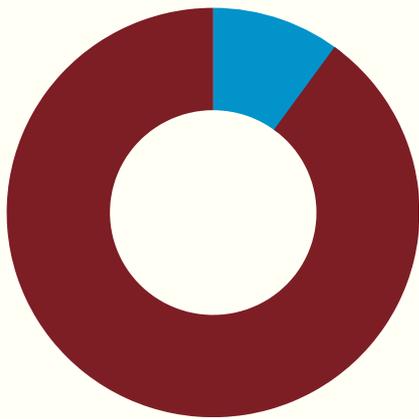
Aarna Shekha - Translational Medical Science

Soumya Agrawal & Vanshika Digania - Translational Medical Science



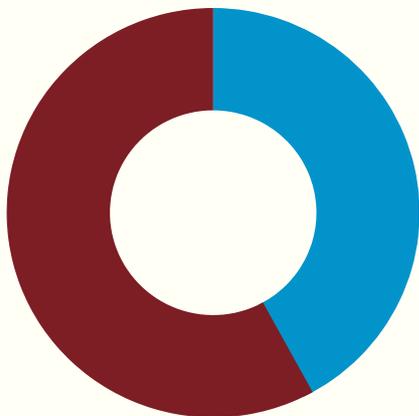


## IRIS National Fair Participation Analysis



### Age Category:

**Junior 10%**  
**Senior 90%**

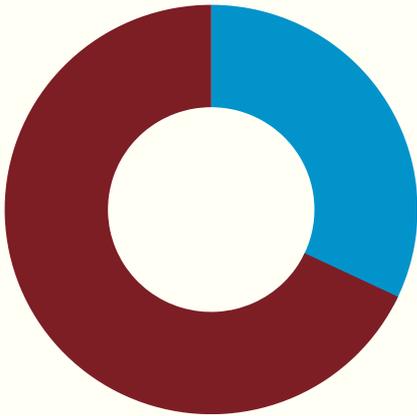


### Gender Category:

**Female 42%**  
**Male 58%**



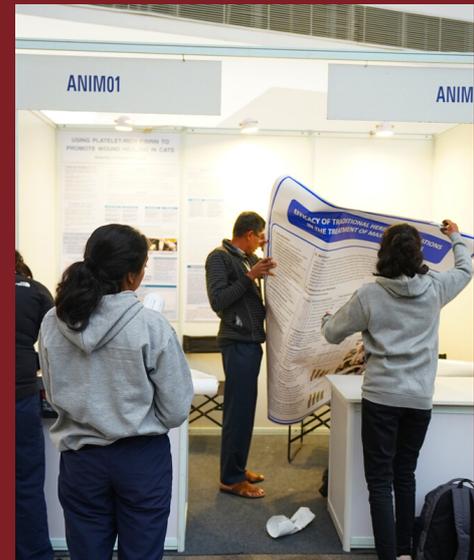
## IRIS National Fair Participation Analysis



### Winners/Gender-Breakup:

**Female 32%**  
**Male 68%**





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