

**IRIS National Fair  
Shortlist - 2024**

SNo	Entry Type	Subject	Project Id	Category	Project Title	Finalist Name	Team Partner Name	School Name	State	City
1	Agastya	Earth and Environmental Sciences		Team	Nurturing nature,caring for your teeth	M.S Vishnu Vardan	G. Gowtami	APMS, Santhipuram	Andhra Pradesh	Kuppam
2	Agastya	Earth and Environmental Sciences		Team	Harnessing the genetic potential of Sebania speciosa, cobined with advanced smart farming technology	T Sindhuja	C Devi	ZPHS Chandana, Kothaindlu	Andhra Pradesh	Kuppam
3	Agastya	Microbiology		Team	Green tea extract for antimicrobial triumph against Staphylococcus aureus and its friendliness towards Lacto bacillus salivarius	V. Thrija	Kokila	ZPHS Kodatanapalli	Andhra Pradesh	Kuppam
4	Agastya	Plant Sciences		Team	An innovative solution for age old challenge-designing hybride & indegenious compost	G. Jaswanth	M. Mursalin	APMS Thummsi	Andhra Pradesh	Kuppam
5	Agastya	Plant Sciences		Team	Ecofriendly verdant gel & soap for dish washing from Premna tomentosa	M. S. Yogendra Babu	S. Bhanu teja	ZPHS Chandana, Kothaindlu	Andhra Pradesh	Kuppam
6	CBSE	Earth and Environmental Sciences		Individual	MARIMO	Amudhusundaram S		SBOA School And Junior College	Tamil Nadu	Chennai
7	CBSE	Energy: Sustainable Materials & Design		Team	Power of Sun and Magic of Water	Alapakam Bhavishya	R A Ameka	Rmk Residential Senior Secondary School	Tamil Nadu	Chennai
8	CBSE	Energy: Sustainable Materials & Design		Individual	Smart Copra Dryer	Shastha Naik		Shakthi Residential School	Karnataka	Mangaluru
9	CBSE	Mathematical Sciences		Team	Mathematics in Medicine	Daksh Tomar	Prateek Gupta	Modern Public School	Delhi	New Delhi
10	CBSE	Translational Medical Science		Team	Neuro-Interactive Assistive Communication System Leveraging Non-Invasive Brain-Computer Interface (BCI) Technology for Enhanced Communication and Emotional Expression in Locked-In Syndrome (LIS) Individuals	Syed Rayaam Alam	Kshitij Kumar Singh	Sunbeam School, Varuna	Uttar Pradesh	Varanasi
11	Inspire	Behavioral and Social Sciences		Individual	Bicycle Ambulance	A Govardan Naidu		Rajiv Gandhi University of Knowledge and Technologies	Andhra Pradesh	Athota, Guntur
12	Inspire	Biomedical Engineering		Individual	Auto Sterilizer for Biometric Machines	Swastika Kath		Noopur Public School	Himachal Pradesh	Nurpur
13	Inspire	Environmental Engineering		Individual	Chaff Dust Separation Machine	Pooja		Fateh Chand Jagdish Rai Inter College Safdarganj	Uttar Pradesh	Safdarganj
14	Inspire	Robotics and Intelligent Machines		Individual	Pairing Socks for The Visually Impaired	Navya Sharma		Salwan Public School, Rajendra Nagar	Delhi	New Delhi
15	Inspire	Translational Medical Science		Individual	Deep Learning-Based Tool for Diagnosing Multiple Diseases: Efficient Diagnosis, Screening, and Progression Monitoring Using Potential Biomarkers from Human Fundus Images	Samarth Pandey		D.B.M.S. English School	Jharkhand	Jamshedpur
16	NCERT	Earth and Environmental Sciences		Individual	Mini Incubator Machine	Lourebam Abinash Meitei		Ruda Academy	Manipur	Thoubal
17	NCERT	Engineering Mechanics		Team	Sanjivani Helicopter	Raval Om C	Vaja Devang N	Damnagar Pay Center School No.1	Gujarat	Damnagar
18	NCERT	Engineering Mechanics		Individual	Accident Free Smart Car	Elias Hussain		M.G. Senior Secondary School	Assam	Goalpara
19	NCERT	Engineering Mechanics		Team	Hybrid bike	Harsh	Gangesh kumar	Govt Co-Ed Sarvodaya Vidyalaya, Dichaon Kalan	Delhi	Najafgarh
20	NCERT	Plant Sciences		Individual	Crop protector	S.K. Faizan		Zphs Gummadidala	Telangana	Sangareddy
21	NCSC	Animal Sciences		Team	Moths: The Unsung Pollinators	Lakshmi K P	Thanusha Lokesh	Kendriya Vidyalaya No. 1 Jalahalli (West)	Karnataka	Bengaluru
22	NCSC	Chemistry		Team	Safe learning of neutralisation reaction in Chemistry by visually challenged by making use of Technology to go for Science/Engg. field	Jitte Nagendar	Gudepu Ashwin	Devnar School for Blind	Telangana	Hyderabad
23	NCSC	Earth and Environmental Sciences		Team	A Comparative Study Of Indigenous Fishes In Paddy Fields For Pest Control And Mosquito Control In Avitanallur Village	Neeraj N	Adithyan U S	GHSS Avitanallur	Kerala	Kozhikode
24	NCSC	Plant Sciences		Team	Effect of seaweed liquid fertilizer on the growth and yield of Vigna radiata and Amaranthus in Lakshadweep	Rafiya Farhath	Ira Jaison	Government Senior Secondary School	Lakshadweep	Kavaratti

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25	NCS	Plant Sciences		Team	Technological innovation for growing paddy seedlings by using coco-peat, onion peels extract, groundnut shell powder	Pranav Suman	Sushant Kumar	S.V.M Residential Public School	Bihar	Patna
26	NCSM-South	Chemistry		Team	Development Of Heat Recovery System To LPG Stove	Kratika R Gaonkar	Rachan S Naik	CVSK High School	Karnataka	Kumta
27	NCSM-South	Engineering Mechanics		Individual	The Electrical Spider net Remover A Multi Purpose House Cleaning kit	Jadi Jagadeeshwar		ZPSS Badampally	Telangana	Mancherial
28	Online	Animal Sciences	196793	Individual	Understanding GPCR protein-mediated chemosensory behaviour of animals using nematode models	Ayaan Jamal		Delhi Public School, RK Puram	Delhi	New Delhi
29	Online	Animal Sciences	197185	Team	Effect of Feeding Young Leaves on the Growth Pattern of Butterfly Larvae	Shreyas Abhyankar	Anuj Joshi	Jnana Prabodhini Prashala	Maharashtra	Pune
30	Online	Behavioral and Social Sciences	195968	Team	App Dev for Visually Impaired for Scribe Support	Myra Chhabra	Aditi Jayakumar	Sishu Griha montessori and high school	Karnataka	Bengaluru
31	Online	Behavioral and Social Sciences	197203	Team	SpeechKraft: Empowering Verbal Confidence - Non-judgmental Communication Support for Autistic Individuals	Keyaan Shah	Ahaan Shah	Dhirubhai Ambani International School	Maharashtra	Mumbai
32	Online	Behavioral and Social Sciences	197069	Individual	Cognitive Assessment Through MIDI Drum Technology	Vanya Gupta		Fravashi International Academy	Maharashtra	Nashik
33	Online	Biochemistry	196416	Individual	Biophysical studies of OI-gal from Oryza sativa	Soha Aggarwal		The Cathedral and John Connon School	Maharashtra	Mumbai
34	Online	Biochemistry	196686	Team	Eichhornia Crassipes Fabrication: The Synthesis of Bioplastics from Water Hyacinths	Dhriti Gupta	Rianna Goenka	Oberoi International School	Maharashtra	Mumbai
35	Online	Biomedical and Health Sciences	197093	Individual	Restrain your Bamboo spine	Jayveer Kochhar		Jamnabai Narsee International School	Maharashtra	Mumbai
36	Online	Biomedical and Health Sciences	197009	Individual	Predictive Cognitive Outcomes Based on Brain Tumour Detection, Classification and 3D Imaging	Sahej Soin		DPS International, Pushp Vihar, Saket Delhi	Delhi	New Delhi
37	Online	Biomedical and Health Sciences	196982	Team	Predictive analysis of the prevalence of malaria using Time series forecasting and Statistical model.	Akshay Bhalla	Varun Bhalla	Dhirubhai Ambani International School	Maharashtra	Mumbai
38	Online	Biomedical and Health Sciences	197392	Individual	Brain tumor detection and classification system using Artificial Intelligence	Dhairya Veer Singh		Vasant Valley School	Delhi	New Delhi
39	Online	Biomedical Engineering	196527	Individual	Paper-based Microfluidics Diagnostics to Detect Glucose Concentration	Tvesha Ghosh		Heritage International Xperiential School	Haryana	Gurugram
40	Online	Biomedical Engineering	197280	Individual	Detection of Cortisol in Human Sweat using Colorimetric Reactions	Lakshya Mutha		Jayshree Periwal International School	Rajasthan	Jaipur
41	Online	Biomedical Engineering	196178	Individual	Neuropract: A Novel Approach	Aaryan Dua		The British School, New Delhi	Delhi	New Delhi
42	Online	Biomedical Engineering		Individual	Gyno-genix	Soumya Agrawal		Bhavans RK Sarda Vidya Mandir	Chhattisgarh	Raipur
43	Online	Cellular and Molecular Biology	196042	Individual	Unveiling potential of polyherbal drug, MAT20 on MCF-7 cells: anti-inflammatory and pro-apoptotic properties	Sohan Tarigopula		The International School Bangalore (TISB)	Karnataka	Bengaluru
44	Online	Cellular and Molecular Biology	195683	Individual	Development of Fab to Treat Rheumatoid Arthritis	Arya Tulsyan		Jamnabai Narsee International School	Maharashtra	Mumbai
45	Online	Cellular and Molecular Biology	197212	Individual	Exploring the Therapeutic Effects of Violacein	Rohan		The Mother's International School	Delhi	New Delhi
46	Online	Chemistry	196095	Individual	Innovative Method to Profitable and Sustainable Lithium-Ion Battery Recycling	Yuvraj Ruparel		Aditya Birla World Academy	Maharashtra	Mumbai
47	Online	Chemistry	196471	Individual	Investigating the effect of pH on the tone of the pigment Red 5	Alekha Choksey		Bombay International School	Maharashtra	Mumbai
48	Online	Computational Biology and Bioinformatics	197349	Team	NeuroConnect : A Novel and Accessible Stroke Diagnostic System using Electroencephalograms, Spectral Analysis and Quantum-Classical Neural Network	Abhishek Roy	Om Satpute	Indus International School Pune	Maharashtra	Pune
49	Online	Computational Biology and Bioinformatics	197007	Individual	Prediction Of Infant Malnutrition Using Convolutional Neural Networks And Image Processing	Aarav Bindawala		La Martiniere For Boys, Kolkata	West Bengal	Kolkata

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50	Online	Computational Biology and Bioinformatics	197147	Individual	A Novel Multi-Omics Data Integration framework for Biological age prediction and correlation with chemotherapy dosage for personalized therapeutics	Vanshika Digania		Bhavans RK Sarda Vidya Mandir	Chhattisgarh	Raipur
51	Online	Computational Biology and Bioinformatics	196887	Individual	Creating a fast-tracking system using Machine Learning models for high-risk BIRADS-0 patients using a self created FLS framework.	Ritwick Sapra		Vasant Valley School	Haryana	Gurugram
52	Online	Earth and Environmental Sciences	197063	Team	Scalable Microalgal Bioreactors for Carbon Sequestration	Hridank Garodia	Shiv Kini	Dhirubhai Ambani International School	Maharashtra	Mumbai
53	Online	Earth and Environmental Sciences	196627	Individual	Forest Fire Prediction Using Satellite Remote Sensing, Hyperspectral and Multispectral Indices, GIS and Machine Learning	Abhimanyu Singh		Dhirubhai Ambani International School	Maharashtra	Mumbai
54	Online	Earth and Environmental Sciences	196842	Individual	The Shape of Microplastics: Uncovering Environmental Impacts"	Harsh Kumar		Army Public School	Madhya Pradesh	Gwalior
55	Online	Earth and Environmental Sciences	197383	Individual	An innovative engineered adsorbent device to be placed in storm water drains to reduce levels of lead, cadmium and copper ions in stormwater runoff	Kshemaahna Nagi		Vidyashilp Academy	Karnataka	Bengaluru
56	Online	Earth and Environmental Sciences	196612	Individual	PS.MAT	Archit Roy		Amity International School,Noida	Delhi	New Delhi
57	Online	Embedded Systems	196201	Team	Real-Time Visual Correcting Display to Correct for Spherical Myopia and Hyperopia	Dhruv Ramu	Akhilesh Balaji	Neev Academy	Karnataka	Bengaluru
58	Online	Embedded Systems	197195	Individual	SpAssist	Arjun Voruganti		Greenwood High	Karnataka	Bengaluru
59	Online	Energy: Sustainable Materials & Design	195685	Individual	Application of New Design of Water-Cooled Condensers for Residential Split ACs	Rajveer Daga		Ahmedabad International School	Gujarat	Ahmedabad
60	Online	Energy: Sustainable Materials & Design	196483	Individual	IoT based Smart Grid solution for Efficient Energy Control	Ikshvaku Garg		Pathways School Noida	Uttar Pradesh	Ghaziabad
61	Online	Energy: Sustainable Materials & Design	196088	Team	Bactrocity	Yashita Aggarwal	Shreya Banerjee	DAV Model school	West Bengal	Durgapur
62	Online	Engineering Mechanics	197389	Team	IoDrone	Samarth Tulsyan	Shreyash Parkhi	Bhavans RK Sarda Vidya Mandir	Chhattisgarh	Raipur
63	Online	Engineering Mechanics	197040	Individual	Design and Testing of 3D-Printed Airless Tire developed using TPU	Siddhant Shah		Bhagawan Mahavir International School	Gujarat	Surat
64	Online	Engineering Mechanics	196376	Individual	H.O.P.E - Humanly Operable Programmed Exerciser	Shorya Bhasin		the shri ram school	Haryana	Gurugram
65	Online	Engineering Mechanics	197017	Individual	Design of an experimental setup for propeller testing	Aditya Garg		Neerja Modi School	Rajasthan	Jaipur
66	Online	Environmental Engineering	195723	Team	Arjuna	Sagar Kumar	J Monish	Loyola school	Jharkhand	Jamshedpur
67	Online	Environmental Engineering	197214	Team	Using stubble to create long-lasting Mycelium bricks to counter stubble pollution in south east asia	Ritwick Sapra	Shashvat Rastogi	Vasant Valley School	Haryana	Gurugram
68	Online	Environmental Engineering	196503	Team	The Environmental Impact of Refrigerant Leak in Chillers and the Use of Machine Learning for Early Leak Diagnostics	Sumer Murthy	Yashas Todi	The Cathedral and John Connon School	Maharashtra	Mumbai
69	Online	Environmental Engineering	197046	Individual	Wildfire Detection and Management System	Geet Valecha		Delhi public school	Maharashtra	Pune
70	Online	Materials Science	196979	Individual	Enhancing Strength of 3D Printed Objects through Composite Mesh Reinforcement	Mayank Narayan		Delhi Public School, Bhilai	Chhattisgarh	Bhilai
71	Online	Mathematical Sciences	196128	Individual	Advanced LDL Decomposition in Optimization	Amoghadhitya Divya Swaroop		Bishop Cotton Boys' School	Karnataka	Bengaluru
72	Online	Mathematical Sciences	196135	Individual	Detecting causality in 2+1 globally hyperbolic spacetime using Symplectic Quandles	Ayush Jain		The Shir Ram School Aravali	Haryana	Gurugram
73	Online	Mathematical Sciences	197364	Team	Rupture Scope - A novel mathematical approach with a correlating computational framework for precisifying aneurysmal therapeutics.	Aaditty Deouskar	Dhawal Agrawal	Bhavans RK Sarda Vidya Mandir	Chhattisgarh	Raipur
74	Online	Microbiology	196542	Team	A Novel Resazurin based AMR predictive test	Shardul Kothi	Dhruv Milind Bade	Jnana Prabodhini Prashala	Maharashtra	Pune
75	Online	Physics and Astronomy	197397	Individual	Probing a galaxy group with FRB dispersion measure	Tejaswini Samanta		Army Public School Delhi Cantt	Delhi	New Delhi

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76	Online	Physics and Astronomy	196901	Team	Investigation of Delayed Droplet Coalescence	Tejashree Marathe	Jui Bhadkamkar	Jnana Prabodhini Prashala	Maharashtra	Pune
77	Online	Physics and Astronomy	195728	Individual	The first use of positive unlabelled machine learning to identify fast radio burst repeater candidates	Arjun Sharma		The Shri Ram School, Mousari	Haryana	Gurugram
78	Online	Physics and Astronomy	197208	Individual	Variable Star Classification using Hybrid Quantum Algorithms and Light Curve Analysis	Aarush Suryanarayanan		Devi Academy Senior Secondary School	Tamil Nadu	Chennai
79	Online	Plant Sciences	197285	Team	Biological Studies of bioactive compounds from Fox tail palm Wodyetia bifurcate L. and Nerium oleander L. against the feeding behaviour and vectoral	Aditya Srivastava	Shringi Singh Tomar	DLF Public school	Uttar Pradesh	Ghaziabad
80	Online	Plant Sciences	196886	Individual	Leaf blight, Black rot, Esca Detection in Mature Grapevine (LBED)	Nivith P Murali		Bhavans Vidya Mandir, Girinagar	Kerala	Kochi
81	Online	Plant Sciences	197055	Individual	Vruksh Swastya	Viivaan Patel		JBCN International school oshiwara	Maharashtra	Mumbai
82	Online	Robotics and Intelligent Machines	197307	Individual	Automated Fault Detection within Solar PV Combiner Boxes with Robotic Rovers	Rishi Sankhe		Dhirubhai Ambani International School	Maharashtra	Mumbai
83	Online	Robotics and Intelligent Machines	196002	Individual	Project Mechacrop	Aryan Rajvanshi		Anand Niketan Satellite	Gujarat	Ahmedabad
84	Online	Robotics and Intelligent Machines	197074	Individual	Smart Load Carrier	Aarav Mehta		Hill Spring International School	Maharashtra	Mumbai
85	Online	Robotics and Intelligent Machines	196642	Individual	Exploring the Efficacy of Serious Games on Cognitive Skills of Down Syndrome Patients	Samridhi Kakkar		Ryan International School	Delhi	New Delhi
86	Online	Robotics and Intelligent Machines	197230	Team	TRUSTVAULT	Shreyash Srivastava	Dipika Das	DAV Model School, Durgapur	West Bengal	Kajora
87	Online	Robotics and Intelligent Machines	197274	Individual	GraphChem: An Adversarial Variational Graph Based Deep Learning Framework for Drug Discovery and Pharmacological Machine Learning Objectives	Agnij Moitra		Amity International School, Saket	Delhi	New Delhi
88	Online	Robotics and Intelligent Machines	197262	Team	Vaxchain	Anish De	Syed Rayaam Alam	Whitefield Global School	Karnataka	Bengaluru
89	Online	Robotics and Intelligent Machines	197047	Team	The Trail-On Project	Darsh Choudhary	Saksham Gupta	Oberoi International School (OGC)	Maharashtra	Mumbai
90	Online	Robotics and Intelligent Machines	196043	Team	JARVIDS Just Rather Very Intelligent Drying System	Radhika Thakur	Aranya Ojha	Vagdevi Vilas School	Karnataka	Bengaluru
91	Online	Robotics and Intelligent Machines	197053	Individual	B.E.S.(Best .Experience .In .Smart .Travel)	Aarav Mehta		Dhirubhai ambani international school	Maharashtra	Mumbai
92	Online	Robotics and Intelligent Machines	197054	Individual	Data Center	Yashvardhan Singhvi		Witty international school	Rajasthan	Udaipur
93	Online	Robotics and Intelligent Machines	197044	Team	Robotic Hand Controlled by Glove Using Wireless Communication	Neev Gupta	Yashica Jain	Jamnabai Narsee International School	Maharashtra	Mumbai
94	Online	Robotics and Intelligent Machines	197043	Team	Fitness Pro: Piano Staircase	Aishwarya Rautela	Aayush Rautela	Podar International school	Maharashtra	Mumbai
95	Online	Systems Software	195844	Individual	AI Yoga Guru	Saanvi Tayal		Rahul Public School	Delhi	New Delhi
96	Online	Systems Software	196523	Individual	Valuable Trash	Pranet Hiranandani		The Cathedral and John Connon School	Maharashtra	Mumbai
97	Online	Systems Software	197246	Individual	Parkinson Disease Detection Using Markerless Video	Arav Dhoot		Neerja Modi School	Rajasthan	Jaipur
98	Online	Translational Medical Science	196411	Team	INSight	Arya	Neel Arjun Raj	Raks Pallikoodam	Tamil Nadu	Coimbatore
99	Online	Translational Medical Science	196372	Individual	In-Vitro study of PLAY on Oral Mucositis	Keerthana Rajesh		Greenwood High International School	Karnataka	Bengaluru
100	Online	Translational Medical Science	196028	Individual	A Transcriptomic Scoring Algorithm for Alzheimers	Prisha Goyal		Scope Public School	Madhya Pradesh	Bhopal
101	Online	Translational Medical Science	196966	Team	ParkinStep: Electronic Monitor - Unveiling Freezing of Gait in Parkinson's	Shivansh Gupta	Aarna Malhotra	Heritage International Xperiential School	Haryana	Gurugram