



INSEF Valedictory

Regional & National Fair awards

26th January 2022

We welcome INSEF Participants, Guides, Teachers & Parents

INSEF Regional Fair 2021-22 Online

- We have Gold, Silver, Bronze & Honourable Mention



Regional Honourable Mention category

Award	Project ID	Participant-1 Name	Participant-2 Name	Grade	Project Title	Subject Category	Guide Name	Participant School Name	School City & State	Project Category
Hon. Mention	52	CHENNU SINDHUJA	MANGIPUDI BHAVANA SRI LAKSHMI SAHITHI	10	BABY FEEDING CHAMBER	Environment	MEDEM RAMAKRISHNA	Z.P.HIGH SCHOOL	KALIDINDI , ANDHRA PRADESH	Senior (Class 9th to 12th)
Hon. Mention	55	Kaushik	Yakshith	9	ORGANIC PRODUCT TO DEFOG CAR'S WINDOWS	Environment	Sindhura shankar	GOVT HIGH SCHOOL SHANTINAGARA	Puttur and Karnataka	Senior (Class 9th to 12th)
Hon. Mention	43	AGAMYA JAIN	ISHITA MITTAL	9	GREENISTS	Environment	SONIA KALRA	AMITY INTERNATIONAL SCHOOL VASUNDHARA 6	GHAZIABA D, UTTAR PRADESH	Senior (Class 9th to 12th)
Hon. Mention	12	Dhyanesh Ghaghada		8	Solar System Simulation	Computer Science & Engineering	Vishal Shishangiya	K.G Dholakiya School	Rajkot, Gujarat	Junior (Class 5 to 8th)

Regional Honourable Mention category

Award	Project ID	Participant-1 Name	Participant-2 Name	Grade	Project Title	Subject Category	Guide Name	Participant School Name	School City & State	Project Category
Hon. Mention	76	sreyas pandey		9	PENABLE	Technology	Mr Sushil kumar pandey	Bharatiya Vidya Bhavan's R.K.Sarda Vidya Mandir	raipur,chhat isgarh	Senior (Class 9th to 12th)
Hon. Mention	60	DESHANI BHAVYANSHU DIPAKBHAI		8	LOW COST EARTHQUAKE ALARM	Physics	DHARMENDRAB HAI MAKWANA	LATE SHREE S.G. DHOLAKIYA SCHOOL	RAJKOT & GUJARAT	Junior (Class 5 to 8th)
Hon. Mention	66	Arnav Singh		8	The Automatic Dustbin	Technology	Monika Chauhan	Amity International School	Sector 1, Vasundhara, Ghaziabad, U.P	Junior (Class 5 to 8th)
Hon. Mention	41	Aiman K A		9	Easy suck	Engineering	Sujatha d shetty	Indraprastha vidyalaya uppingangady	Puttur , Karnataka	Senior (Class 9th to 12th)

Regional Honourable Mention category

Award	Project ID	Participant-1 Name	Participant-2 Name	Grade	Project Title	Subject Category	Guide Name	Participant School Name	School City & State	Project Category
Hon. Mention	74	Ratnabh Asati		9	Pre temperature scanner to avoid spread of COVID-19	Technology	Abhishek Chandraker	Delhi Public School, Raipur	Raipur, Chattisgarh	Senior (Class 9th to 12th)
Hon. Mention	64	PALLAVI G		6	SEED CLEANER	Technology	GANGADHARA ACHARYA	SUDANA RESIDENTIAL SCHOOL	PUTTUR KARNATAKA	Junior (Class 5 to 8th)
Hon. Mention	49	Diksha Mullick		8	Automatic Floor Cleaning Machine	Environment	Monika Chauhan	Diksha Mullick	Ghaziabad, Uttarpradesh	Junior (Class 5 to 8th)
Hon. Mention	9	Bhalodiya Om Sagarbhai		6	DESIGN OF AN OXYGEN EXTRACTOR	Chemistry	Makwana Tusharbhai	Shree G.K.Dholakiya School	Rajkot, Gujarat	Junior (Class 5 to 8th)

Regional Honourable Mention category

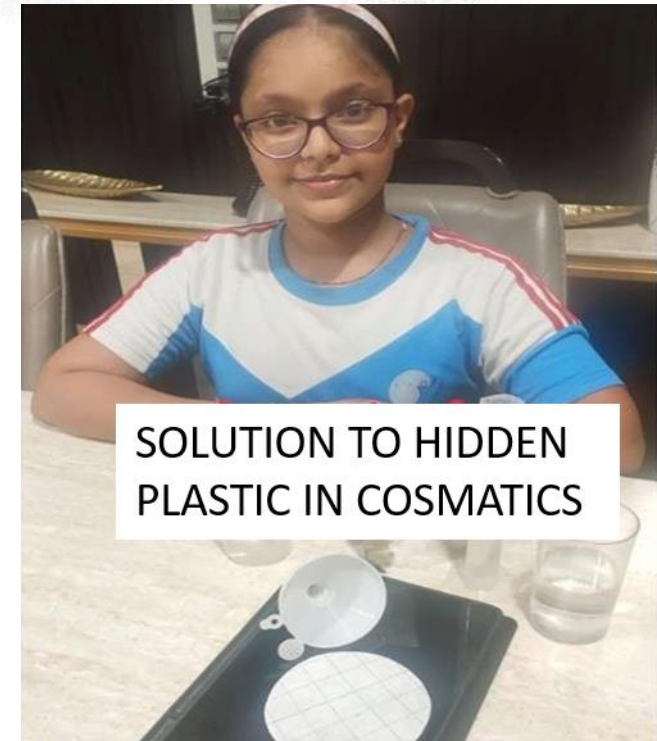
Award	Project ID	Participant-1 Name	Participant-2 Name	Grade	Project Title	Subject Category	Guide Name	Participant School Name	School City & State	Project Category
Hon. Mention	35	BHANDERI DEV		9	Smart Car Parking System	Engineering	yogesh kachchhi	K G DHOLAKIYA SCHOOL RAJKOT	RAJKOT GUJARAT	Senior (Class 9th to 12th)
Hon. Mention	54	Shreya Methi	Nitya Sri Pakkala	10	Cost-efficient eco-friendly Sanitary pads	Environment	Sumathi Pugazhenth i	Vagdevi Vilas School	Bangalore, Karnataka	Senior (Class 9th to 12th)
Hon. Mention	24	Srishti Rakesh Gulur		6	Impact of microwave radiations on enhancing Pulverizability of coffee seeds and reduction in power consumption	Energy	Bhanu Priya	(Yenkay Education society) Sishu Griha	bangalore, karnataka	Junior (Class 5 to 8th)
Hon. Mention	26	Saathvik S Sundar	Avaneesh Rao	9	Ultrasonic Sensor and Solenoid Valve based Water Saving in Cisterns based on Human Presence Detection	Energy	Suryanaray ana Rao	Sishu Griha Montessori and High School	Bengaluru, Karnataka	Senior (Class 9th to 12th)

Congratulations to all the
Regional Honourable
Mention category winners

Next, we go to the Bronze category winners of INSEF
Regional Fair Online

Regional Bronze category winner

Award	Bronze
Project ID	46
Participant-1 Name	SRIYA ACHAR
Participant-2 Name	
Participant Grade	6
Project Title	SOLUTION TO HIDDEN PLASTIC IN COSMATICS
Subject Category	Environment
Guide Name	Revathi Haval
Participant School Name	PG.Garodia School (ICSE)
School City & State	Mumbai
Project Category	Junior (Class 5 to 8th)



Regional Bronze category winner

Award	Bronze
Project ID	32
Participant-1 Name	Makadiya Shrey Mehulbhai
Participant-2 Name	
Participant Grade	7
Project Title	DESIGN AND FABRICATION OF AUTOMATIC DRAIN CLEANER
Subject Category	Engineering
Guide Name	Popat Nirav
Participant School Name	Shree G.K.Dholakiya School
School City & State	Rajkot
Project Category	Junior (Class 5 to 8th)



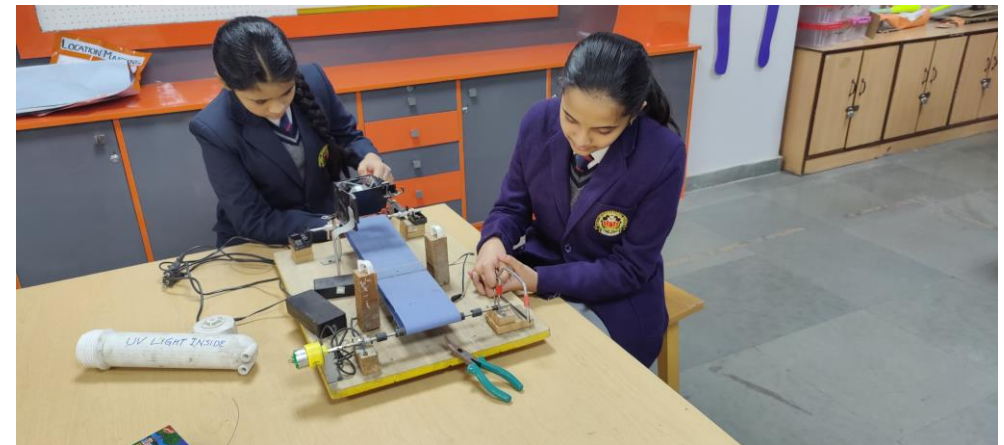
Regional Bronze category winner

Award	Bronze
Project ID	58
Participant-1 Name	Charvi K P
Participant-2 Name	Yashaswini V
Participant Grade	9
Project Title	Alternative technique to reduce BOD in lakes.
Subject Category	Environment
Guide Name	Govindan
Participant School Name	Vagdevi Vilas School, Birur
School City & State	Chikkamangaluru and Karnataka
Project Category	Senior (Class 9th to 12th)



Regional Bronze category winner

Award	Bronze
Project ID	42
Participant-1 Name	Purvi Gupta
Participant-2 Name	Ananya
Participant Grade	6
Project Title	E waste in use (mobile Sanitizer)
Subject Category	Environment
Guide Name	Suniti Gupta
Participant School Name	Amity International School,sec-6
School City & State	GHAZIABAD
Project Category	Junior (Class 5 to 8th)



Regional Bronze category winner

Award	Bronze
Project ID	25
Participant-1 Name	Mast. Shaurya Khule
Participant-2 Name	Mast. Aaradhya Singh
Participant Grade	6
Project Title	Energy Saving Water Heater
Subject Category	Energy
Guide Name	Samir Khule
Participant School Name	Bhavans B P Vidya Mandir Ashti
School City & State	Ashti Nagpur Maharashtra
Project Category	Junior (Class 5 to 8th)



Regional Bronze category winner

Award	Bronze
Project ID	19
Participant-1 Name	Soham Laxman Bhoir
Participant-2 Name	Mohit Seervi
Participant Grade	10
Project Title	Safeguard Living Lives during Monsoon
Subject Category	Computer Science & Engineering
Guide Name	Harshali Rajesh Mallarap
Participant School Name	Vivekanand English High School,Kurla
School City & State	Mumbai,Maharastra
Project Category	Senior (Class 9th to 12th)



Regional Bronze category winner

Award	Bronze
Project ID	37
Participant-1 Name	Amit Kashyap
Participant-2 Name	
Participant Grade	9
Project Title	Omni Directional Elevator
Subject Category	Engineering
Guide Name	R&D vvsm
Participant School Name	vagdevi vilas school
School City & State	bangalore karnataka
Project Category	Senior (Class 9th to 12th)



Regional Bronze category winner

Award	Bronze
Project ID	31
Participant-1 Name	Adwij Sajesh
Participant-2 Name	
Participant Grade	6
Project Title	Remote controlled ploughing machine
Subject Category	Engineering
Guide Name	Sadhana Hebbar
Participant School Name	Sudana Residential School
School City & State	Puttur, Karnataka DK 574203
Project Category	Junior (Class 5 to 8th)



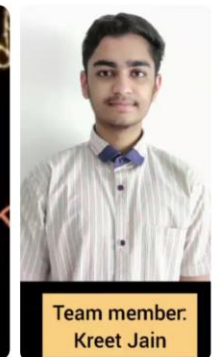
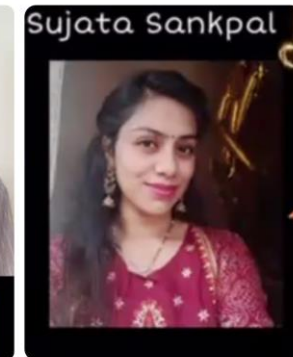
Regional Bronze category winner

Award	Bronze
Project ID	57
Participant-1 Name	Sai Gharat
Participant-2 Name	Soham Daundkar
Participant Grade	9
Project Title	Bio Plastic
Subject Category	Environment
Guide Name	Ms.Pushpalata Gupta
Participant School Name	Vivekanand English High School
School City & State	Mumbai, Maharashtra
Project Category	Senior (Class 9th to 12th)



Regional Bronze category winner

Award	Bronze
Project ID	73
Participant-1 Name	Jugalraj Jadhav
Participant-2 Name	Kreet Jain
Participant Grade	9
Project Title	Safe Ride- Imbibing the Social Distancing
Subject Category	Technology
Guide Name	Sujata Sankpal
Participant School Name	Vivekanand English High School
School City & State	Mumbai, Maharashtra
Project Category	Senior (Class 9th to 12th)



Regional Bronze category winner

Award	Bronze
Project ID	38
Participant-1 Name	Mast. Dev Bose
Participant-2 Name	
Participant Grade	11
Project Title	Low Humidity Air Cooling System
Subject Category	Engineering
Guide Name	Shri. Samir Khule
Participant School Name	Bhavans B P Vidya Mandir Ashti
School City & State	Ashti Nagpur Maharashtra
Project Category	Senior (Class 9th to 12th)



Regional Bronze category winner

Award	Bronze
Project ID	40
Participant-1 Name	Shashwat Jain
Participant-2 Name	
Participant Grade	7
Project Title	Automatic Hydraulic Jack
Subject Category	Engineering
Guide Name	Dr. Swapnil Jain
Participant School Name	Delhi Public School ,Raipur
School City & State	Raipur , Chhattisgarh
Project Category	Junior (Class 5 to 8th)



Regional Bronze category winner

Award	Bronze
Project ID	65
Participant-1 Name	Ira Agarwal
Participant-2 Name	Shreshth Bajpai
Participant Grade	8
Project Title	Exam Buddy App
Subject Category	Technology
Guide Name	Ekta Soni
Participant School Name	Amity International School
School City & State	Ghaziabad
Project Category	Junior (Class 5 to 8th)

The screenshot displays the AppSheet interface for the 'Exam Buddy' app. The main view shows the 'Columns' configuration page, where users can manage the structure of the spreadsheet data. A sidebar on the left provides navigation options like 'Info', 'Data', 'UX', 'Behavior', 'Security', 'Intelligence', and 'Users'. On the right, a 'Practice' mode preview is visible, featuring a question: 'Which Practice mode you want to choose?'. Below the question, there are four options: 'Chapter wise questions', 'Random Questions', 'Puzzles', and 'Mental math'. The 'Practice' button is highlighted in blue. At the bottom right, there are two small profile pictures of the participants, Ira Agarwal and Shreshth Bajpai.

Regional Bronze category winner

Award	Bronze
Project ID	27
Participant-1 Name	Hitika Mathur
Participant-2 Name	Dhruvi Gupta
Participant Grade	10
Project Title	Solar Sani Box
Subject Category	Energy
Guide Name	Poonam Bhatt
Participant School Name	Amity international school vasundhra sector 6
School City & State	GHAZIABAD, UP
Project Category	Senior (Class 9th to 12th)



Regional Bronze category winner

Award	Bronze
Project ID	70
Participant-1 Name	Prathviraj P Prabhu
Participant-2 Name	
Participant Grade	9
Project Title	DWIPRATHI TWO LANE FULLY AUTOMATIC SEEDING MACHINE
Subject Category	Technology
Guide Name	Rajshekar B C
Participant School Name	Vivekananda English Medium School
School City & State	Tenkila, Puttur, D.K, Karnataka
Project Category	Senior (Class 9th to 12th)



Regional Bronze category winner

Award	Bronze
Project ID	2
Participant-1 Name	Kavya Singh
Participant-2 Name	Snehil Prathna Banwar
Participant Grade	9
Project Title	THE GREEDY PIG & ROADONUS: Encountering risk aversion in risk takers with a game-based method
Subject Category	Behavioural Science
Guide Name	Mr.Sushil Kumar Pandey
Participant School Name	Bharatiya Vidya Bhavans R.K. Sarda Vidya Mandir
School City & State	Raipur, Chhattisgarh
Project Category	Senior (Class 9th to 12th)



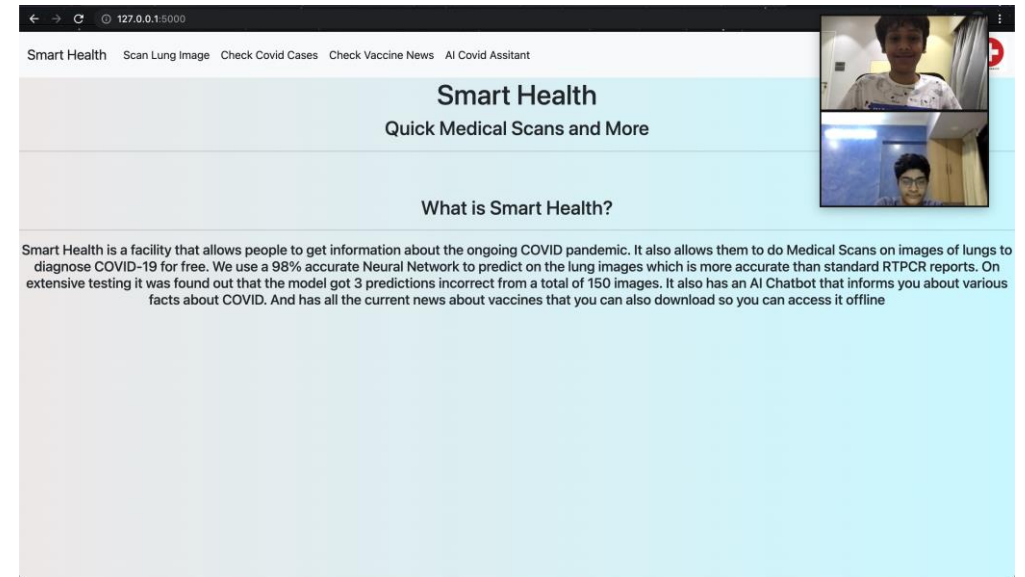
Regional Bronze category winner

Award	Bronze
Project ID	68
Participant-1 Name	Sojitra Avani Pravinbhai
Participant-2 Name	
Participant Grade	9
Project Title	An innovative method of applying solid fertilizer to improve the crop growth
Subject Category	Technology
Guide Name	kalpesh Ambaliya
Participant School Name	Smt K K Dholakiya School
School City & State	Rajkot, Gujarat
Project Category	Junior (Class 5 to 8th)



Regional Bronze category winner

Award	Bronze
Project ID	13
Participant-1 Name	YASH SOLANKI
Participant-2 Name	YASH ASHAR
Participant Grade	9
Project Title	SMART HEALTH PLATFORM
Subject Category	Computer Science & Engineering
Guide Name	REVATHI HAVAL
Participant School Name	PG.GARODIA HIGH SCHOOL
School City & State	Mumbai
Project Category	Senior (Class 9th to 12th)



Regional Bronze category winner

Award	Bronze
Project ID	11
Participant-1 Name	Sparsh Agarwal
Participant-2 Name	Anvay Arora
Participant Grade	11
Project Title	DARE (Drone for Agricultural Research and Efficiency)
Subject Category	Computer Science & Engineering
Guide Name	Swati Chhabra
Participant School Name	Amity International School Vasundhara Sector - 1
School City & State	Ghaziabad, Uttar Pradesh
Project Category	Senior (Class 9th to 12th)



Regional Bronze category winner

Award	Bronze
Project ID	71
Participant-1 Name	Megha N Iyer
Participant-2 Name	
Participant Grade	10
Project Title	Inclusive Learning for Visually Impaired
Subject Category	Technology
Guide Name	Shylashri
Participant School Name	Yashasvi International School
School City & State	Bangalore, Karnataka
Project Category	Senior (Class 9th to 12th)



Congratulations to all
the Regional Bronze
category winners

Next, we go to the Silver category winners of INSEF
Regional Fair Online

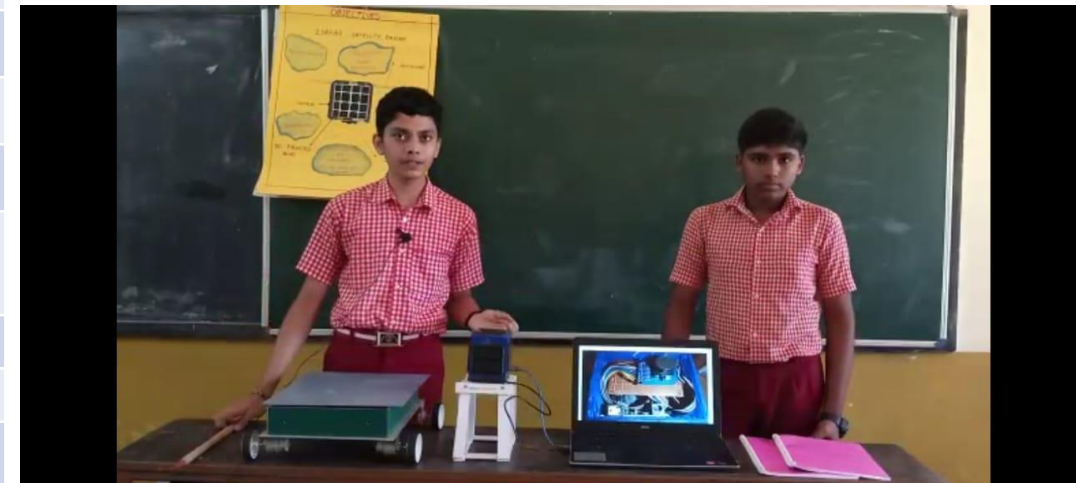
Regional Silver category winner

Award	Silver
Project ID	10
Participant-1 Name	Kanishk Jain
Participant-2 Name	
Participant Grade	11
Project Title	HealBot: Advanced semi-automatic surgical machine
Subject Category	Computer Science & Engineering
Guide Name	Suruchi Agrawal
Participant School Name	Amity International School Vasudha 1
School City & State	Vasundhara-1, Ghaziabad, Uttar Pradesh
Project Category	Senior (Class 9th to 12th)



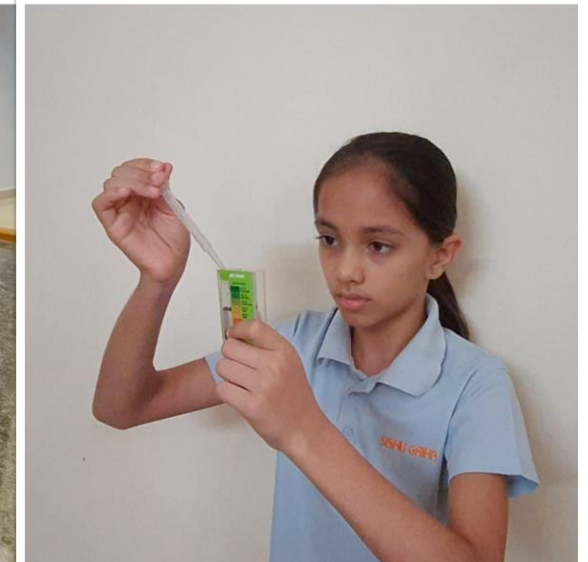
Regional Silver category winner

Award	Silver
Project ID	34
Participant-1 Name	THAMAN SN
Participant-2 Name	CHIRAG MN
Participant Grade	10
Project Title	[ISRAAS] INDIAN SAPCE RESEARCH AND ARMY SECURITY- SATELLITE
Subject Category	Engineering
Guide Name	RAJSHEKAR
Participant School Name	VIVEKANANDA ENGLISH MEDIUM SCHOOL
School City & State	Vivekanagara, Tenkila, Puttur, karnataka.
Project Category	Senior (Class 9th to 12th)



Regional Silver category winner

Award	Silver
Project ID	6
Participant-1 Name	Navya Joshi
Participant-2 Name	Saanvi Upadhyaya
Participant Grade	5
Project Title	A COMPARATIVE STUDY OF THE EFFECT OF DIFFERENT FRUIT PEELS ON THE ENHANCEMENT OF SOIL FERTILITY
Subject Category	Biology
Guide Name	Krishna Madhavi P.A
Participant School Name	Sishu Griha Montessori and High School
School City & State	Bangalore
Project Category	Junior (Class 5 to 8th)



Regional Silver category winner

Award	Silver
Project ID	5
Participant-1 Name	Chinmayi G R
Participant-2 Name	
Participant Grade	6
Project Title	An Efficient management of tender coconut waste as organic Laboratory Stain.
Subject Category	Biology
Guide Name	Ashalatha
Participant School Name	Indraprastha vidyalya
School City & State	Uppinangady, Karnataka
Project Category	Junior (Class 5 to 8th)



Regional Silver category winner

Award	Silver
Project ID	63
Participant-1 Name	Adite Sharma
Participant-2 Name	
Participant Grade	9
Project Title	Suraksha Box
Subject Category	Technology
Guide Name	Sonia Kalra
Participant School Name	Amity International School, Vasundhara, Sector-6
School City & State	Ghaziabad, Uttar Pradesh
Project Category	Senior (Class 9th to 12th)



Regional Silver category winner

Award	Silver
Project ID	53
Participant-1 Name	GAURAV N
Participant-2 Name	
Participant Grade	9
Project Title	ARECASALVE - A herbal paste and spray for cattle
Subject Category	Environment
Guide Name	SHANKAR BHAT
Participant School Name	Sri Sathya Sai Loka Seva High School Alike
School City & State	KARNATAKA
Project Category	Senior (Class 9th to 12th)



Regional Silver category winner

Award	Silver
Project ID	75
Participant-1 Name	DASANI RISHIT RAJESHBHAI
Participant-2 Name	
Participant Grade	6
Project Title	PORTABLE HIGH WIND TURBINE
Subject Category	Technology
Guide Name	URMI KANSAGARA
Participant School Name	SHREE K. G DHOLAKIYA SCHOOL
School City & State	RAJKOT, GUJARAT
Project Category	Junior (Class 5 to 8th)



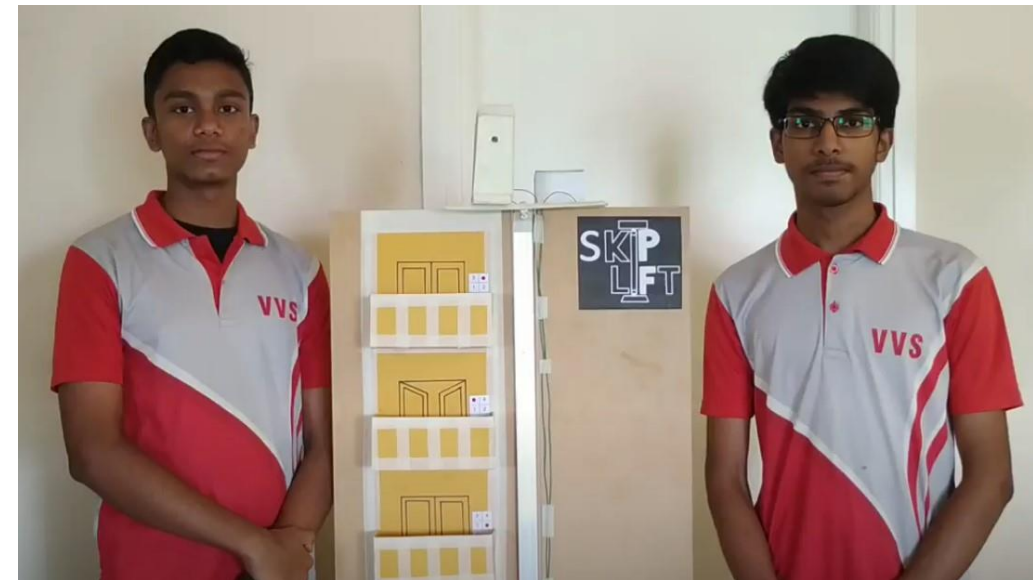
Regional Silver category winner

Award	Silver
Project ID	22
Participant-1 Name	Khant Jaimin
Participant-2 Name	
Participant Grade	9
Project Title	The Horizontal Windmill
Subject Category	Energy
Guide Name	Vishal shishangiya
Participant School Name	Shree K.G. Dholakiya
School City & State	Rajkot ,Gujarat
Project Category	Senior (Class 9th to 12th)



Regional Silver category winner

Award	Silver
Project ID	39
Participant-1 Name	Ananth Krishna
Participant-2 Name	Abhiram Agaram
Participant Grade	10
Project Title	SkipLift
Subject Category	Engineering
Guide Name	Sreekala Lekshmanan
Participant School Name	Vagdevi Vilas School Whitefield
School City & State	Karnataka, Bangalore
Project Category	Senior (Class 9th to 12th)



Regional Silver category winner

Award	Silver
Project ID	23
Participant-1 Name	Himashree Sudarshan Reddy
Participant-2 Name	Surabhi Yoganand
Participant Grade	8
Project Title	CERAMIC CLOTH FOR ENHANCING HEATING EFFICIENCY IN DOMESTIC SECTOR WHILE HEATING IN A STAINLESS VESSEL
Subject Category	Energy
Guide Name	Suryanarayanarao S R
Participant School Name	Yenkay Education Society - Sishu Griha
School City & State	Bagalore, Karnataka
Project Category	Junior (Class 5 to 8th)



Regional Silver category winner

Award	Silver
Project ID	16
Participant-1 Name	Chirag Bhansali
Participant-2 Name	
Participant Grade	12
Project Title	Evaluating QAOA for Max-Cut Problems Under Different Parameters
Subject Category	Computer Science & Engineering
Guide Name	-
Participant School Name	Delhi Public School, Noida
School City & State	Noida, Uttar Pradesh
Project Category	Senior (Class 9th to 12th)



Regional Silver category winner

Award	Silver
Project ID	69
Participant-1 Name	Pranav Girish
Participant-2 Name	SaiSamriddh Surya
Participant Grade	8
Project Title	Microcontroller based retrieval of medicine expiry information with customer friendly language translation and read aloud facility
Subject Category	Technology
Guide Name	Bhanupriya
Participant School Name	Yenkay Education Society - Sishu Griha
School City & State	Bengaluru, Karnataka
Project Category	Junior (Class 5 to 8th)



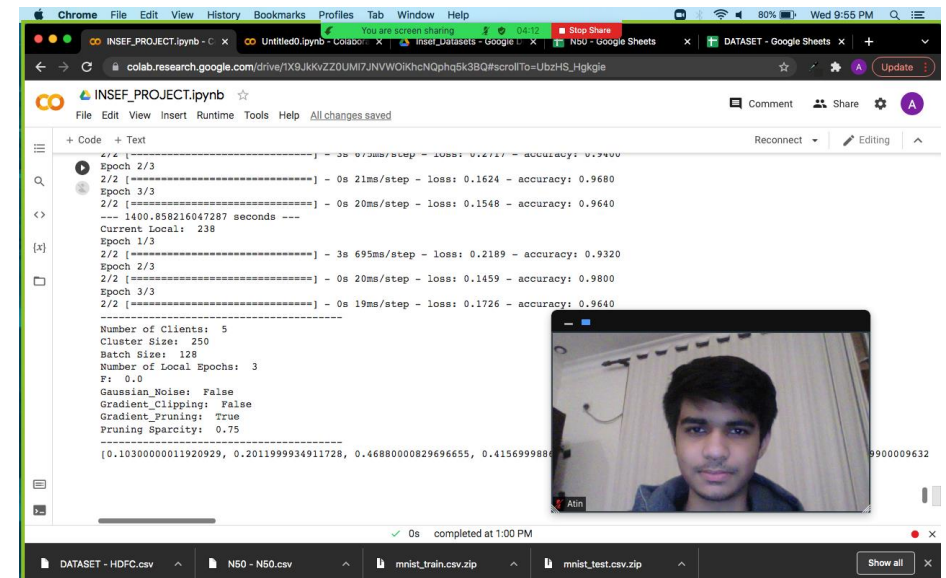
Regional Silver category winner

Award	Silver
Project ID	29
Participant-1 Name	Arya Pratap Verma
Participant-2 Name	Rajkishan Singh
Participant Grade	9
Project Title	EYE IN THE SKY
Subject Category	Engineering
Guide Name	Shubham Chakraborty
Participant School Name	INDIRAPURAM PUBLIC SCHOOL CROSSINGS REPUBLIC
School City & State	GHAZIABAD, UTTAR PRADESH
Project Category	Senior (Class 9th to 12th)



Regional Silver category winner

Award	Silver
Project ID	18
Participant-1 Name	Atin Narain
Participant-2 Name	
Participant Grade	12
Project Title	Federated Time-Series Forecasting Using Transfer Learning
Subject Category	Computer Science & Engineering
Guide Name	Harpreet Virk
Participant School Name	Modern School Barakhamba Road
School City & State	New Delhi
Project Category	Senior (Class 9th to 12th)



The screenshot displays a Google Colab notebook titled 'INSEF_PROJECT.ipynb'. The interface includes a menu bar (File, Edit, View, Insert, Runtime, Tools, Help) and a toolbar with options like 'Reconnect' and 'Editing'. The main area shows code execution output for a federated learning process. The output includes epoch progress (e.g., Epoch 2/3, Epoch 3/3), loss and accuracy values, and a list of client IDs. A video call window is visible in the bottom right corner, showing a participant named 'Atin'. The bottom status bar indicates the notebook is 'completed at 1:00 PM'.

```
Epoch 2/3 [-----] - 0s 07ms/step - loss: 0.1624 - accuracy: 0.9660
Epoch 3/3 [-----] - 0s 21ms/step - loss: 0.1624 - accuracy: 0.9660
Epoch 3/3 [-----] - 0s 20ms/step - loss: 0.1548 - accuracy: 0.9640
--- 1400.858216047287 seconds ---
Current Local: 238
Epoch 1/3 [-----] - 3s 695ms/step - loss: 0.2189 - accuracy: 0.9320
Epoch 2/3 [-----] - 0s 20ms/step - loss: 0.1459 - accuracy: 0.9800
Epoch 3/3 [-----] - 0s 19ms/step - loss: 0.1726 - accuracy: 0.9640
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Number of Clients: 5
Cluster Size: 250
Batch Size: 128
Number of Local Epochs: 3
F: 0.0
Gaussian_Noise: False
Gradient_Clipping: False
Gradient_Pruning: True
Pruning Sparsity: 0.75
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[0.10300000011920929, 0.2011999934911728, 0.46880000829696655, 0.4156999988
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Regional Silver category winner

Award	Silver
Project ID	3
Participant-1 Name	Numa Falak Khan
Participant-2 Name	Aayushi kaushik
Participant Grade	12
Project Title	Yuvti - Biodegradable Sanitary Napkins
Subject Category	Biology
Guide Name	ambreen kauser
Participant School Name	Amity Internation School , Saket
School City & State	New Delhi
Project Category	Senior (Class 9th to 12th)



Regional Silver category winner

Award	Silver
Project ID	72
Participant-1 Name	Aditya Kumar Jha
Participant-2 Name	Avni Yadav
Participant Grade	8
Project Title	Smart Reflex Safety Band- A Novel And Simple Approach To Ensure Women Safety
Subject Category	Technology
Guide Name	Sushil Kumar Pandey
Participant School Name	Bhavanâ€™s R.K. Sarda Vidya Mandir, Raipur
School City & State	Raipur, Chhattisgarh
Project Category	Junior (Class 5 to 8th)



Regional Silver category winner

Award	Silver
Project ID	51
Participant-1 Name	Vibha K Bhat
Participant-2 Name	Shivraj Bagevadi
Participant Grade	10
Project Title	Innovative Multi Variety Fruits Plucker
Subject Category	Environment
Guide Name	K.L. Bhat
Participant School Name	Shriniketana School Isloor Sirsi
School City & State	SIRSI
Project Category	Senior (Class 9th to 12th)



Regional Silver category winner

Award	Silver
Project ID	47
Participant-1 Name	DEVIKA RAMKUMAR
Participant-2 Name	DISHA DEVENDRA PRABHU
Participant Grade	9
Project Title	ENVIRONMENTALLY SUSTAINABLE DIAPER BLOCKS
Subject Category	Environment
Guide Name	REVATHI HAVAL
Participant School Name	PG GARODIA (ICSE)
School City & State	Mumbai
Project Category	Senior (Class 9th to 12th)



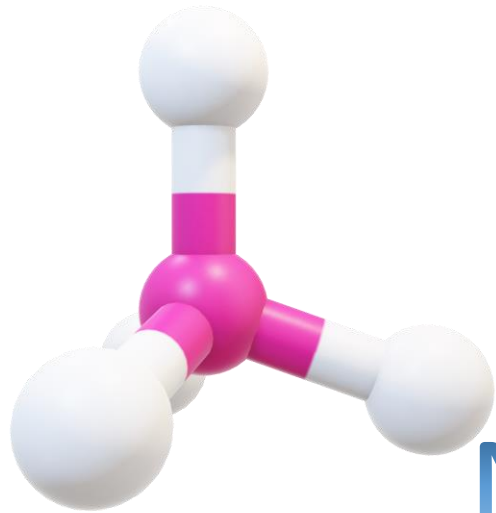
Congratulations to all
the Regional Silver
category winners

Next, we go to the Gold category winners of INSEF
Regional Fair Online

Regional Gold category Winners (Finalists for INSEF National Fair)

Project Title	Participant-1 Name	Participant-1 Grade (Studying in?)	Participant-2 Name (for team project)	Participant-2 Grade (Studying in?) (for team project)	Guide Name	Participant School Name	School City & State
Spatio-temporal generation of morphological Plant features for yield prediction before harvest from Visual Image input using Progressively Growing GANs	Dhruv Sheth	11			N/A	Pace Junior Science College Powai	Mumbai, Maharashtra
Designing of Nitrogen Doped Melamine Foam-Graphene-CNT-Metal Oxide Heterostructure Photocatalyst for Industrial Waste Management	Rishita Ghosh	11			Dr. Kaushik Ghosh	Learning Paths School	Mohali, Punjab
Hydrodynamical analogs of quantum tunneling	Ahitagni Das	11	N/A		Asim Chakrabarti	Delhi Public School, Siliguri	Siliguri
Formalizing constructive game semantics for affine logic: A strategy for automated proof search	Harshikaa Agrawal	11			Dr. Jason Gross	Delhi Public School R. K. Puram	New Delhi, Delhi
ANALYSIS OF THE EXOPLANET METALLICITY-PERIOD-MASS RELATIONSHIP	Aarush Suryanarayanan	8			Dr. Soundararajaperumal	Devi Academy Senior Secondary School	CHENNAI, TamilNadu
A Novel Method to Detect Agrammatism in "Hinglish" Sentences for non-fluent Aphasia using Deep Learning	Rohan Bhasin	12			Mr. Mayank Bhasin	Modern School, Barakhamba Road	New Delhi, Delhi
PRANA -Portable Respiratory Aid using Novel Apparatus	Advait Abhijit Attavar	9			Siddhant Attavar	NPS Indiranagar	Bangalore, Karnataka
Multipurpose agricultural solar dryer	Saanvi S P	8	G Pratheeksha Alva	8	Rajshekar B C	Vivekananda English Meduim school Tenkila Puttur	Puttur & Karnataka
SMART DEVICE FOR CORRECTING POSTURE	AAKASH VISWANATH	8	KEVIN V.SHAH	8	Kanthy Viswanath	PG GARODIA (ICSE)	Mumbai,MAHARASHTRA
Formulation of Clitoria ternatea leaves-mediated silver nanoparticles as a novel control agent of Aedes aegypti larvae: An eco-safe strategy	Yanav Lall	12			Dr Sarita Kumar	Modern School Barakhamba Road	New Delhi, Delhi
Detecting Diseases in Plants using Deep learning & Convolutional Neural Networks	Satvik Madayi	9	Amogh Saagar	9	Sindhu R	Vagdevi Vilas School Marathahalli	Bangalore, Karnataka
Innovative machine for a clean fan	Mithun P P	6			Sadhana Hebbar	Sudana Residential school	Puttur, Karnataka
IV Fluid Controlling and Monitoring System (IV F-CMS)	Patanvariya Het Rajnibhai	9			Devangbhai Vank	Shree K.G.Dholakiya School Rajkot	Rajkot Gujarat
A herbal spray from weed, Wedelia trilobata to repel household vegetable pests	Anvith N	9			Deepthi R Bhat	Vivekananda English Medium School	Puttur taluk , Dakshin Kannada Karnataka
Sequestering Carbon from Vehicular Exhaust using Algal Capsules	Shankar Narain Subramaniam	11			Dr. Prosenjit Ghosh	Primus Public School	Bangalore, Karnataka
Automated Dustbin With Sanitizing System	venkatesh.pulavarti	9			Revathi Haval	P. G. GARODIA SCHOOL (ICSE)	Mumbai,Maharashtra
Novel approach to linear scheduling through a genetic algorithm ENCOUR - 3D Pocket CPR Mask	Mrigank Pawagi	12			Ankur Mehta	Vishwa Bharati Public school	Noida, Uttar Pradesh
	Ananth Krishna	10			Sreekala Lekshmanan	Vagdevi Vilas School Whitefield	Bangalore, Karnataka
Interlocking slab and brick house	Kotak simran sachinbhai	9			Urvashi kotak	G.K. Dholakiya school Rajkot	Rajkot ,Gujarat
A Novel Study of the Polymeric Properties of Sago and Solanum Tuberosum in making of Bioplastic	Anushk Singh	11			Abhishek Chandraker	Delhi Public School	Raipur

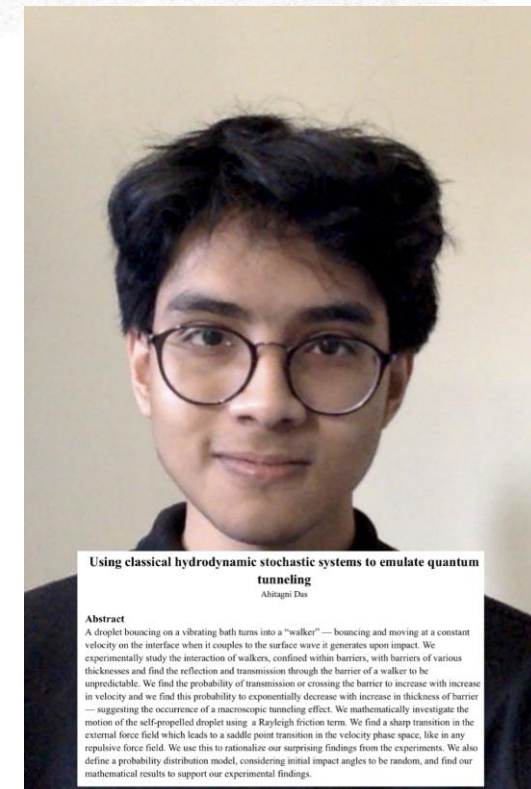
INSEF National Fair awards



Now we move on to
INSEF National Fair awards

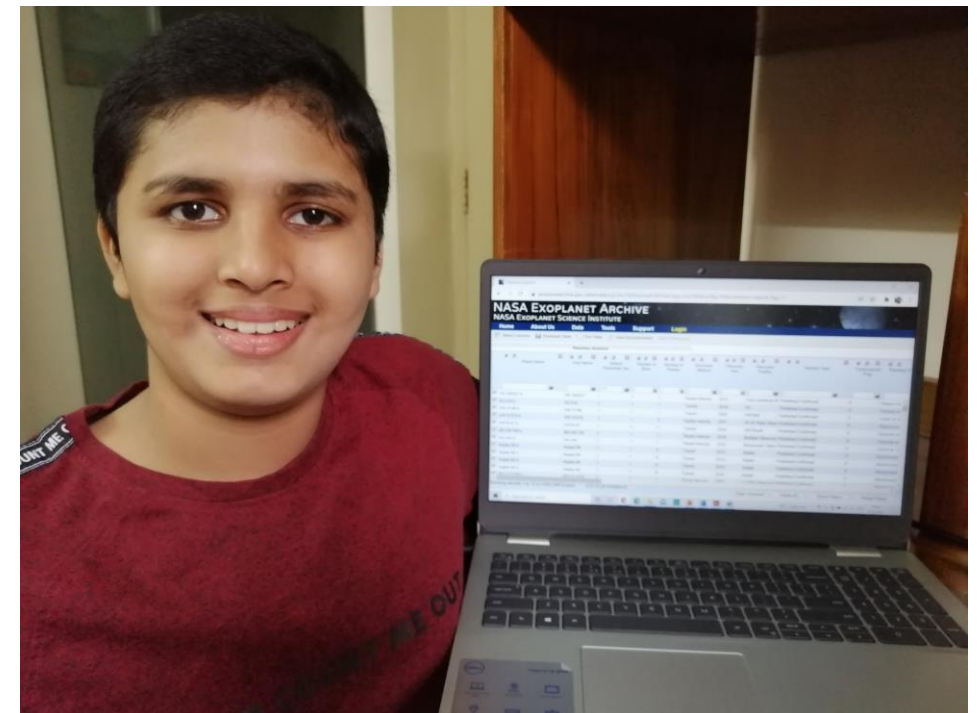
National Fair Honourable Mention award

Award	Hon. Mention
Project ID	62
Participant-1 Name	Ahitagni Das
Participant-2 Name	N/A
Participant Grade	11
Project Title	Hydrodynamical Analogs of Quantum Tunneling
Subject Category	Physics
Guide Name	Asim Chakrabarti
Participant School Name	Delhi Public School, Siliguri
School City & State	Siliguri
Project Category	Senior (Class 9th to 12th)



National Fair Honourable Mention award

Award	Hon. Mention
Project ID	61
Participant-1 Name	Aarush Suryanarayanan
Participant-2 Name	
Participant Grade	8
Project Title	ANALYSIS OF THE EXOPLANET METALLICITY-PERIOD- MASS RELATIONSHIP
Subject Category	Physics
Guide Name	Dr. Soundararajaperumal
Participant School Name	Devi Academy Senior Secondary School
School City & State	CHENNAI, TamilNadu
Project Category	Junior (Class 5 to 8th)



National Fair Honourable Mention award

Award	Hon. Mention
Project ID	28
Participant-1 Name	Kotak simran sachinbhai
Participant-2 Name	
Participant Grade	9
Project Title	Design and development of Interlocking slab and it's analysis
Subject Category	Engineering
Guide Name	Urvashi kotak
Participant School Name	G.K. Dholakiya school Rajkot
School City & State	Rajkot ,Gujarat
Project Category	Senior (Class 9th to 12th)



National Fair Honourable Mention award

Award	Hon. Mention
Project ID	45
Participant-1 Name	Anushk Singh
Participant-2 Name	
Participant Grade	11
Project Title	A Novel Study of the Polymeric Properties of Sago and Solanum Tuberosum in making of Bioplastic
Subject Category	Environment
Guide Name	Abhishek Chandraker
Participant School Name	Delhi Public School
School City & State	Raipur
Project Category	Senior (Class 9th to 12th)



Congratulations to all the
National Honourable
Mention category winners

Next, we go to the Bronze category winners of INSEF
National Fair Online

National Fair Bronze category winner

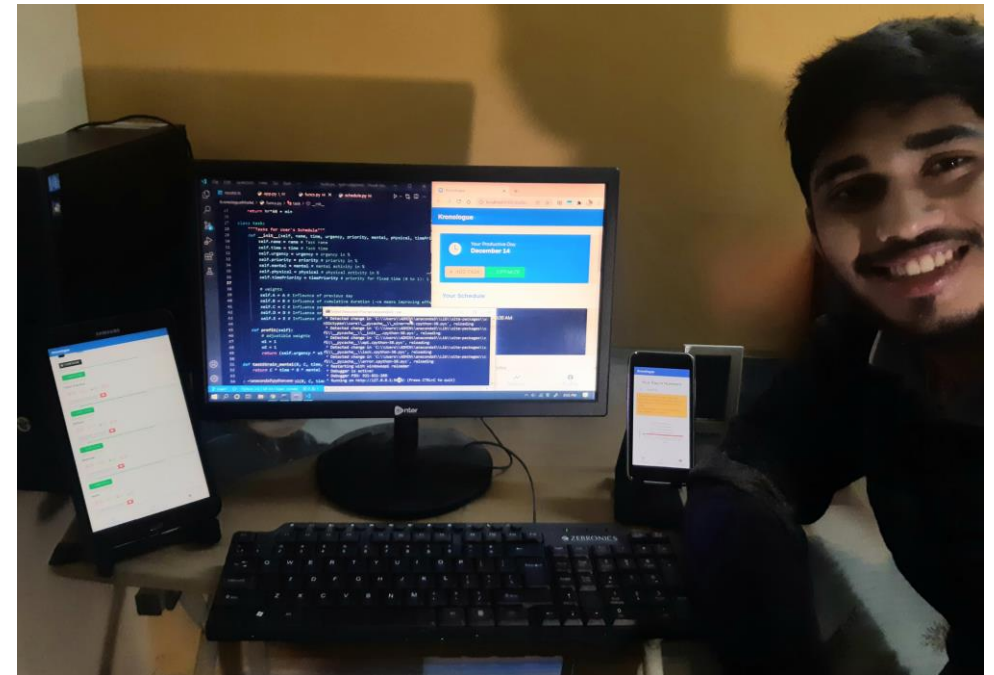
Award	Bronze
Project ID	17
Participant-1 Name	Harshikaa Agrawal
Participant-2 Name	
Participant Grade	11
Project Title	Formalizing constructive game semantics for affine logic: A strategy for automated proof search
Subject Category	Computer Science & Engineering
Guide Name	Dr. Jason Gross
Participant School Name	Delhi Public School R. K. Puram
School City & State	New Delhi, Delhi
Project Category	Senior (Class 9th to 12th)



```
1089 Module affine_to_game.
1090 Import strict.Notations relaxed.Notations affine.exports.
1091 Section with var.
1092 Context (var : Type) (var_to_game : var -> strict.game).
1093 Fixpoint syntax_to_game (s : affine.syntax var) : strict.game :=
1094   match s with
1095   | affine.Var v => var_to_game v
1096   | affine.Zero => strict.Bottom
1097   | affine.One => strict.Top
1098   | affine.Tensor Left Right => syntax_to_game Left * syntax_to_game Right
1099 wend.
1100 Local Open Scope game_scope.
1101 Definition sequent_to_game (assumptions : seq (affine.syntax var)) (conclusion : affine.syntax var) : strict.game :=
1102   foldl (fun g1 g2 => (g1) * (g2))
1103         (syntax_to_game conclusion)
1104         (map (fun g => ~syntax_to_game g) assumptions). (*to negate the elements in the sequence*)
1105 Eval cbv [foldl sequent_to_game map] in sequent_to_game [:: ?[A] / ?[B] / ?[C] / ?[D] ] ?[E].
1106 Print Assumptions sequent_to_game.
1107
1108 End with_var.
1109 End affine_to_game.
```

National Fair Bronze category winner

Award	Bronze
Project ID	15
Participant-1 Name	Mrigank Pawagi
Participant-2 Name	
Participant Grade	12
Project Title	Novel approach to linear scheduling through a genetic algorithm
Subject Category	Computer Science & Engineering
Guide Name	Ankur Mehta
Participant School Name	Vishwa Bharati Public school
School City & State	Noida, Uttar Pradesh
Project Category	Senior (Class 9th to 12th)



National Fair Bronze category winner

Award	Bronze
Project ID	36
Participant-1 Name	Advait Abhijit Attavar
Participant-2 Name	
Participant Grade	9
Project Title	PRANA- Portable Respiratory Aid using Novel Apparatus
Subject Category	Engineering
Guide Name	Siddhant Attavar
Participant School Name	NPS Indiranagar
School City & State	Bangalore, Karnataka
Project Category	Senior (Class 9th to 12th)



National Fair Bronze category winner

Award	Bronze
Project ID	4
Participant-1 Name	Anvith N
Participant-2 Name	
Participant Grade	9
Project Title	A herbal spray from weed, Wedelia trilobata to repell household vegetable pests
Subject Category	Biology
Guide Name	Deepthi R Bhat
Participant School Name	Vivekananda English Medium School
School City & State	Puttur taluk , Dakshin Kannada Karnataka
Project Category	Senior (Class 9th to 12th)



National Fair Bronze category winner

Award	Bronze
Project ID	8
Participant-1 Name	Ananth Krishna
Participant-2 Name	
Participant Grade	10
Project Title	ENCOUR - 3D Pocket CPR Mask
Subject Category	Biology
Guide Name	Sreekala Lekshmanan
Participant School Name	Vagdevi Vilas School Whitefield
School City & State	Bangalore, Karnataka
Project Category	Senior (Class 9th to 12th)



Congratulations to all
the National Bronze
category winners

Next, we go to the Silver category winners of INSEF
National Fair Online

National Fair Silver category winner

Award	Silver
Project ID	48
Participant-1 Name	venkatesh.pulavarti
Participant-2 Name	
Participant Grade	9
Project Title	Automated Dustbin With Sanitizing System
Subject Category	Environment
Guide Name	Revathi Haval
Participant School Name	P. G. GARODIA SCHOOL (ICSE)
School City & State	Mumbai,Maharashtra
Project Category	Senior (Class 9th to 12th)



Automated Dustbin With Sanitizing System

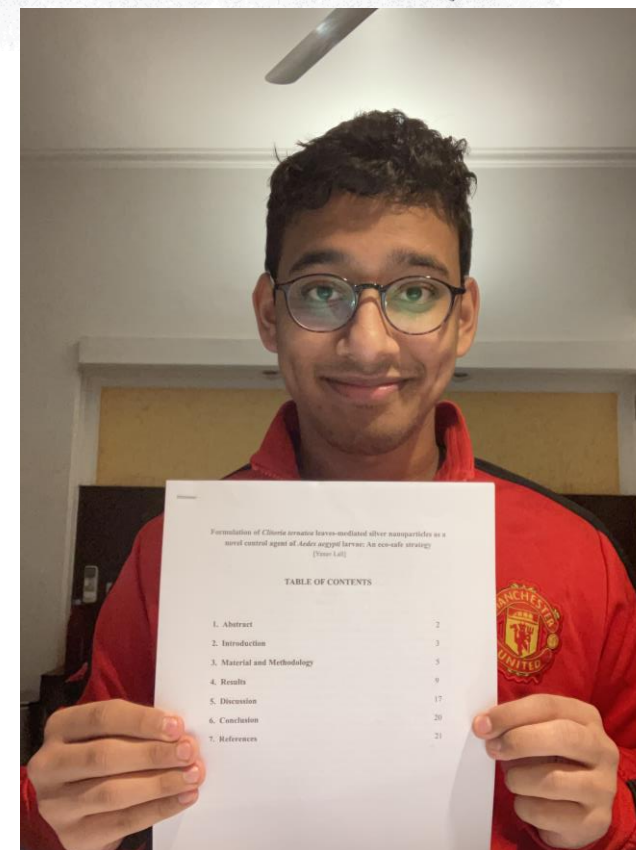
National Fair Silver category winner

Award	Silver
Project ID	30
Participant-1 Name	Mithun P P
Participant-2 Name	
Participant Grade	6
Project Title	Innovative Machine for a Clean Fan
Subject Category	Engineering
Guide Name	Sadhana Hebbar
Participant School Name	Sudana Residential school
School City & State	Puttur, Karnataka
Project Category	Junior (Class 5 to 8th)



National Fair Silver category winner

Award	Silver
Project ID	7
Participant-1 Name	Yanav Lall
Participant-2 Name	
Participant Grade	12
Project Title	Formulation of Clitoria ternatea leaves-mediated silver nanoparticles as a novel control agent of Aedes aegypti larvae: An eco-safe strategy
Subject Category	Biology
Guide Name	Dr Sarita Kumar
Participant School Name	Modern School Barakhamba Road
School City & State	New Delhi, Delhi
Project Category	Senior (Class 9th to 12th)



National Fair Silver category winner

Award	Silver
Project ID	56
Participant-1 Name	Satvik Madayi
Participant-2 Name	Amogh Saagar
Participant Grade	9
Project Title	Detecting Diseases in Plants using Deep learning & Convolutional Neural Networks
Subject Category	Environment
Guide Name	Sindhu R
Participant School Name	Vagdevi Vilas School Marathahalli
School City & State	Bangalore, Karnataka
Project Category	Senior (Class 9th to 12th)



National Fair Silver category winner

Award	Silver
Project ID	59
Participant-1 Name	Rishita Ghosh
Participant-2 Name	
Participant Grade	11
Project Title	Designing of Nitrogen Doped Melamine Foam-Graphene-CNT-Metal Oxide Heterostructure Photocatalyst for Industrial Waste Management
Subject Category	Environment
Guide Name	Dr. Kaushik Ghosh
Participant School Name	Learning Paths School
School City & State	Mohali, Punjab
Project Category	Senior (Class 9th to 12th)

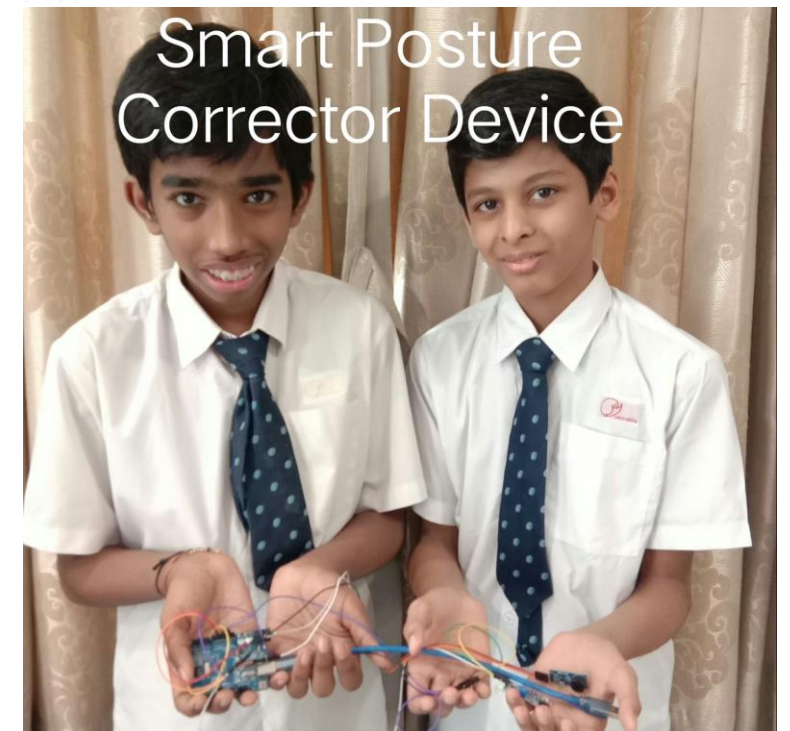


Congratulations to all
the National Silver
category winners

Next, we go to the Junior-Gold category winners of
INSEF National Fair Online

National Fair Junior-Gold category winner

Award	Junior-Gold
Project ID	67
Participant-1 Name	AAKASH VISWANATH
Participant-2 Name	KEVIN V.SHAH
Participant Grade	8
Project Title	SMART DEVICE FOR CORRECTING POSTURE
Subject Category	Technology
Guide Name	Kanthi Viswanath
Participant School Name	PG GARODIA (ICSE)
School City & State	Mumbai, MAHARASHTRA
Project Category	Junior (Class 5 to 8th)



National Fair Junior-Gold category winner

Award	Junior-Gold
Project ID	33
Participant-1 Name	Saanvi S P
Participant-2 Name	G Pratheeksha Alva
Participant Grade	8
Project Title	Multipurpose agricultural solar dryer.
Subject Category	Engineering
Guide Name	Rajshekar B C
Participant School Name	Vivekananda English Meduim school Tenkila Puttur
School City & State	Puttur & Karnataka
Project Category	Junior (Class 5 to 8th)



Congratulations to all
the National Junior-Gold
category winners

Next, we go to the Senior-Gold category winners of
INSEF National Fair Online

Some announcements:

All participants who demonstrated their project in public viewing will get Rs. 250/- cash voucher as a token of appreciation

All participants who provided “I love INSEF” video will get additional Rs. 250/- cash voucher for volunteering to participate

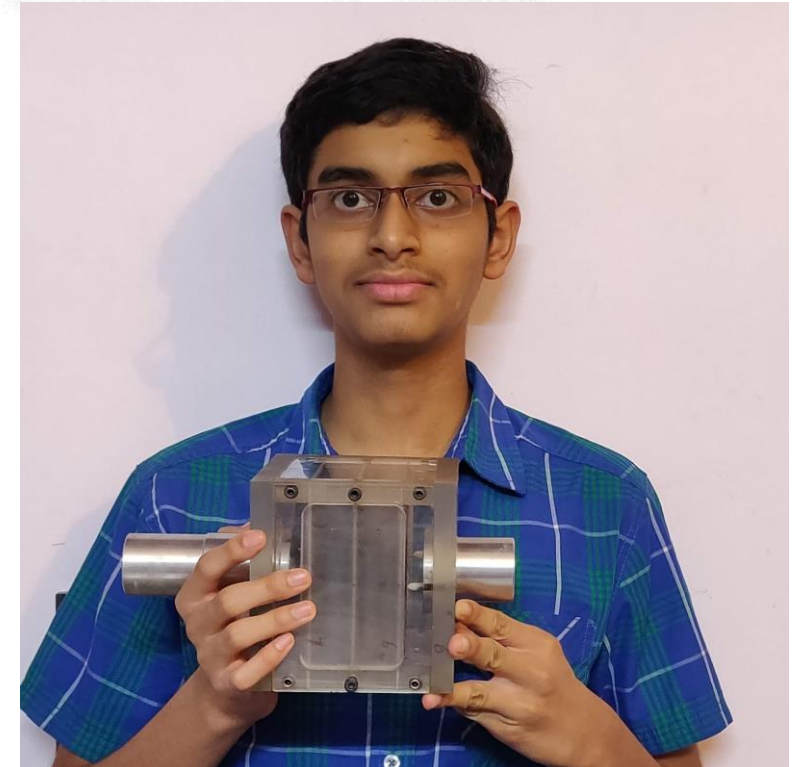
Please look for instruction in Science Society website on how to claim the voucher

On to the Senior Gold category winners...

Note that we will try to connect to Gold category winners live on their public viewing meeting

National Fair Gold category winner

Award	Gold
Project ID	44
Participant-1 Name	Shankar Narain Subramaniam
Participant-2 Name	
Participant Grade	11
Project Title	Sequestering Carbon from Vehicular Exhaust using Algal Capsules
Subject Category	Environment
Guide Name	Dr. Prosenjit Ghosh
Participant School Name	Primus Public School
School City & State	Bangalore, Karnataka
Project Category	Senior (Class 9th to 12th)



[Connect live](#)

National Fair Gold category winner

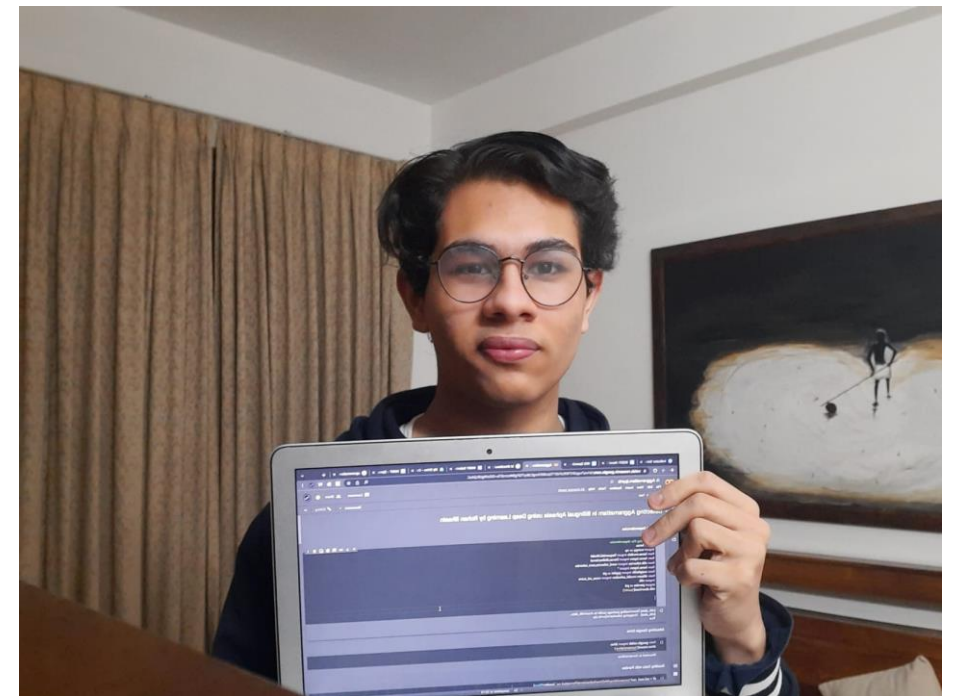
Award	Gold
Project ID	14
Participant-1 Name	Patanvariya Het Rajnibhai
Participant-2 Name	
Participant Grade	9
Project Title	IV-FLUID CONTROLLING AND MONITORING SYSTEM (IVF-CMS)
Subject Category	Computer Science & Engineering
Guide Name	Devangbhai Vank
Participant School Name	Shree K.G.Dholakiya School Rajkot
School City & State	Rajkot Gujarat
Project Category	Senior (Class 9th to 12th)



[Connect live](#)

National Fair Gold category winner

Award	Gold
Project ID	1
Participant-1 Name	Rohan Bhasin
Participant-2 Name	
Participant Grade	12
Project Title	A Novel Method to Detect Agrammatism in "Hinglish" Sentences for non-fluent Aphasia using Deep Learning
Subject Category	Behavioural Science
Guide Name	Mr. Mayank Bhasin
Participant School Name	Modern School, Barakhamba Road
School City & State	New Delhi, Delhi
Project Category	Senior (Class 9th to 12th)



[Connect live](#)

National Fair Gold category winner

Award	Gold
Project ID	20
Participant-1 Name	Dhruv Sheth
Participant-2 Name	
Participant Grade	11
Project Title	Spatio-temporal generation of morphological Plant features for yield prediction before harvest from Visual Image input using Progressively Growing GANs
Subject Category	Computer Science & Engineering
Guide Name	N/A
Participant School Name	Pace Junior Science College Powai
School City & State	Mumbai, Maharashtra
Project Category	Senior (Class 9th to 12th)



[Connect live](#)



Congratulations to all the National Senior- Gold category winners

Only senior-Gold category winners of INSEF National Fair
are directly qualified for Genius Olympiad, USA

Look for INSEF (metaverse edition beta) in 2024

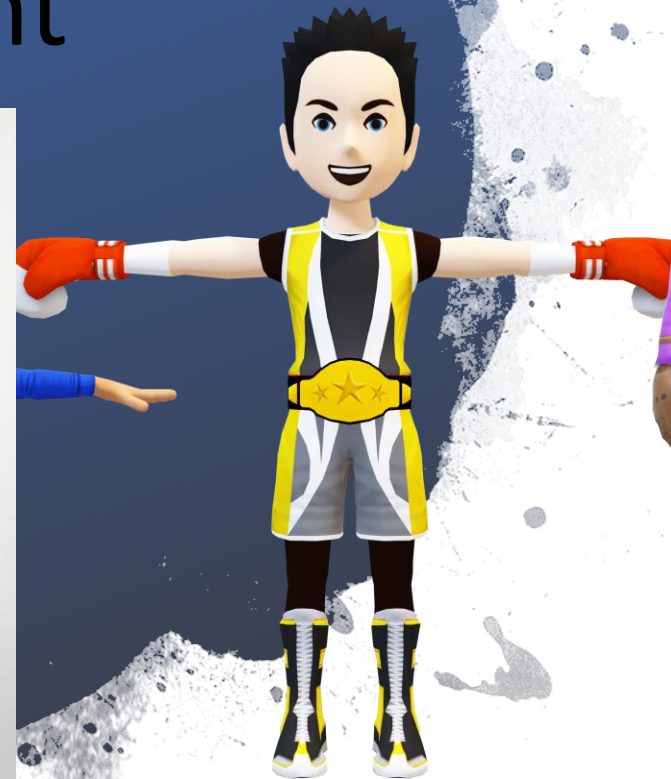
Congratulations

&

best wishes to all the INSEF participants

E-certificates to all will be provided by 15th March 2022

Good Night



Look for INSEF (metaverse edition beta) in 2024

Congratulations

&

best wishes to all the INSEF participants

E-certificates to all will be provided by 15th March 2022

Good Night

