

School Talent Awards - 2024

N. Kusuma Latha

Class: X

School: Zilla Parishad High School Kaikaram, Eluru, Andhra Pradesh

Guide Teacher: Kunati John

Project Title: [Palmyrah Orchard- The New Future Farming for Barren Lands/Around the Boundary of the Fields](#)

N Lakshmi Prasanna & N Sravanthi

Class: IX

School: Zilla Parishad High School, West Godavari, Andhra Pradesh

Guide Teacher: Ponnada Revathi

Project Title: [Sanitary – Bio Napkins](#)

Reddy Baradwaj

Class: IX

School: GVMC High School, Visakhapatnam, Andhra Pradesh

Guide Teacher: G Venkata Lakshmi

Project Title: [Human Made Oxygen by Electrolysis](#)

P Shanmukha Priya

Class: IX

School: St John's E M High School, Gunadala, N T R District, Andhra Pradesh

Guide Teacher: Zilani Shaik

Project Title: [Attic Energy](#)

SMART (Science Meets Art) Awards - 2024

Consolation Prize

Shriya Pasricha – IX

School: Amity International School, Gurgaon, Haryana

Topic: **The Elemental Gala: Starring the Nobles**

Consolation Prize

Atharva Keswani – IX

School: Bal Bharati Public School, Gangaram, New Delhi

Topic: **Asteroid Mining Limitless Possibilities**

Runner Up – II

Shreyansh Bhardwaj – VII

School: Indraprastha International School, Dwarka, New Delhi

Topic: **Light – The Way to Vision**

Runner Up – I

Saisha Narang – XI

School: Bal Bharati Public School, Gangaram, New Delhi

Topic: **“How do Planes Take Off”**

Winner

Ira Saxena - VIII

School: Tagore International School, Vasant Vihar, New Delhi

Topic: **Newton’s Law of Motion**

SPARK Innovation Awards - 2024

Ganitam – Math

Runner Up

Bhaavika Ram Kumar - VIII, **Vikhya Peddala** - VIII & **Subhasmita Mohanty** - VIII

School: Bharatiya Vidya Bhavans Atmakuri Ramarao School, Jubilee Hills, Hyderabad

Guide Teacher: M V S Narasamamba

Project Title: "RIGHT" Time – A Unique Pythagorean Timer

Winner

Haard Bharkumar Mori – VIII & **Jwaldeep Katariya** - VIII

School: Anand Vidya Vihar School, Subhanpura, Vadodra, Gujarat

Guide Teacher: Shivalika Savant

Project Title: CAMATO (CArd MATH TOkens)

Bhoutikam - Physics

Consolation

Ikat Singh - IX, **Prisha Ashok** - IX & **Aditya Singh** - VII

School: Venkateshwar International School, Dwarka, New Delhi

Guide Teacher: Monika Mangla Singhal

Project Title: **Garuda Patronus – SMART VEHICLES**

Consolation

Niruban Chakravarthy G A - VIII

School: G D Matriculation Higher Secondary School, Coimbatore, Tamil Nadu

Guide Teacher: Juno Kamala Soundra S

Project Title: **Thermostable**

Runner Up

Prakyat Sinha – XI & **Gangesh Aggarwal** - XI

School: Scottish High International School, Gurugram, Haryana

Guide Teacher: Neeraj Pant

Project Title: **Battery Less Electric Vehicles - BLEV**

Winner

Sai Srinithi K - IX

School: G D Matriculation Higher Secondary School, Coimbatore, Tamil Nadu

Guide Teacher: Juno Kamala Soundra S

Project Title: **Multi Strategic Elephant Chaser**

Rasayanam - Chemistry

Consolation

Niyathi Sri Sai Skandana Kaja - IX & **Sahasra Myneni** - IX

School: Bharatiya Vidya Bhavans Atmakuri Ramarao School, Jubilee Hills, Hyderabad

Guide Teacher: Dr Prasanna Lakshmi

Project Title: **ECOGUARD: An Ecofriendly Consortium Insecticide**

Consolation

Prajith J – VIII & **John Rithin K** - VIII

School: Mahatma Global Gateway School, Madurai, Tamil Nadu

Guide Teacher: Ramajayanthan N

Project Title: **Water Garbage Recycler**

Runner Up

R Jeshitha Rao - IX, **Prabhleen Kaur** - IX & **Kalyana Kartheeka Yanamandra** - IX

School: Sherwood Public School, Jeedimetla Village, Hyderabad, Telangana

Guide Teacher: V Vijayalakshmi

Project Title: **Organic Cosmetics**

Winner

Sairaah Bharadwaj - IX

School: Venkateshwar International School, Dwarka, New Delhi

Guide Teacher: Monika Mangla Singhal

Project Title: **Blue Harbour – Boost your Wellbeing**

Jeevanam - Biology

Consolation

Divisha Goyal - IX & **Manasvi Kapoor** - IX

School: Maharaja Agarsain Public School, Ashok Vihar, New Delhi

Guide Teacher: Ruchi Kapoor

Project Title: **Shell - Eco Pottery: Crafting Green Solutions**

Consolation

Suha Zubair - XII

School: S M Ali's Shanthinikethan Junior College, Hyderabad, Telangana

Guide Teacher: Asifa Jabeen

Project Title: **Strabi Cure**

Runner Up

Swarit Acharya - IX & **Aryavir Singh** - IX

School: Lotus Valley International School, Noida, Uttar Pradesh

Guide Teacher: Neha Singh

Project Title: **DerrmaVision**

Winner

M Chegu Veera - VIII & **M Rahul** – VIII

School: Paramita Heritage School, Karim Nagar, Telangana

Guide Teacher: Lalit Mohan Sahu

Project Title: **Solar Power Sand and Seed Filter Machine**

Research Awards

Ganitam - Maths

Runner Up – II

Joydev Halder

Institute: University of Hyderabad

Supervisor: Prof Suman Kumar Tumuluri

Project Title: An implicit finite difference scheme to approximate the solution to the McKendrick-Von Foerster equation with diffusion with the Robin boundary condition

Runner Up – I

Pinlodi Mohan

Institute: Indian Institute of Technology Hyderabad

Supervisor: Dr Venku Naidu D

Project Title: Integral representation of radial operators on the Bergman space over the unit disc

Winner

Renu Joshi

Institute: Indian Institute of Science Education and Research Bhopal

Supervisor: Dr. Siddhartha Sarkar

Project Title: On the Schur multiplier of finite p -groups of maximal class

Bhoutikam – Physics

Runner Up - II

Dipak Maity

Institute: Tata institute of fundamental research, Hyderabad, Telangana

Supervisor: Dr T N Narayanan

Project Title: Strain-Tunable Ultrastable MoS₂/Fluorographene Hybrid Photodetectors of High Responsivity

Runner Up - I

Vinod Panwar

Institute: Indian Institute of Science, Bangalore, Karnataka

Supervisor: Prof Abha Misra

Project Title: Gate Field Induced Extraordinary Energy Storage in MoS₂-Graphene-Based Ultramicro-Electrochemical Capacitor

Winner

Sudipto Das

Institute: Indian Institute of Technology Kharagpur, West Bengal

Supervisor: Prof Sudhansu S Mandal

Project Title: Novel Topological Phase of 5/2 Quantum Hall State

Rasayanam – Chemistry

Runner Up – II

Shweta Sagar

Institute: Indian Institute of Technology, Sangareddy, Hyderabad, Telangana

Supervisor: Prof Tarun Kanti Panda

Project Title: Earth abundant metal complexes as effective catalysts in the ring opening (co)polymerization of cyclic monomers for synthesis of biodegradable polymers

Runner Up – I

Shivani Tripathi

Institute: BITS Pilani Hyderabad Campus, Hyderabad, Telangana

Supervisor: Prof Manab Chakravarty

Project Title: Small Fluorescent Probes for Detecting Pesticides in Real-Life Samples: A Preventive Approach for Pesticide Poisoning at the Doorstep

Winner

Rajashi Haldar

Institute: Indian Institute of Technology, Powai, Mumbai, Maharashtra

Supervisor: Prof Maheswaran Shanmugam

Project Title: Energizing Tomorrow: Biocompatible Ferroelectric Cu(II) Complexes for Sustainable Energy Harvesting

Jeevanam – Biology

Runner Up – II

Abhilash Vijay Nair

Institute: Indian Institute of Science, Bengaluru, Karnataka

Supervisor: Prof. Dipshikha Chakravorty

Project Title: *Salmonella Typhimurium employ spermidine to exert protection against ROS-mediated cytotoxicity and rewires host polyamine metabolism to ameliorate its survival in macrophages*

Runner Up – I

Vigneshwaran Venkatesan

Institute: : Centre for Stem Cell Research, Christian Medical College, Vellore, Tamil Nadu

Project Title: *Editing the core region in HPFH deletions alters fetal and adult globin expression for treatment of β^2 -hemoglobinopathies*

Supervisor: Dr. Saravanabhavan Thangavel

Winner

Pradeep Kumar

Institute: Centre for Cellular & Molecular Biology, Hyderabad, Telangana

Supervisor: Dr. Rajan Sankaranarayanan

Project Title: *Distinct localization of chiral proofreaders resolves organellar translation conflict in plants*