

SMART (Science Meets ART) Awardees

1. Winner

Bhavin Saurabh Gupta

School: Manthan International School, Hyderabad, Telangana.

Topic: **Evolution**

2. Runner – Up I

Avishi Bansal

School: Delhi Public School, R K Puram, New Delhi.

Topic: **Science's ability to Develop**

3. Runner – up II

Akshra Singh

School: Delhi Public School, Kanpur, Uttar Pradesh.

Topic: **Newton's Law**

4. Consolation Prize

Mrudula Raju K

Obul Reddy Public School, Hyderabad, Telangana

Topic: **The Science of the Hula Hoop**

5. Consolation Prize

Posika Aggarwal

Bal Bharati Public School, New Delhi.

Topic: **Centripetal Force**

2. SPARK Innovation Awardees

Bhoutikam - Physics

1. **Winners**

Joe Daniel, Teja Narasimha Rao & Gedela Bodhisatva
SBOA School and Junior College, Chennai, Tamil Nadu
Project Title: "**Electronic Security Braking System (ESBS)**"

2. **Runners Up I**

Aayush Bhansali
Delhi Public School, Greater Noida, New Delhi.
Project Title: "**Super Energy Saver for Longer Battery Life and Reducing E-Waste**"

3. **Consolation**

Naveen Rajan S K
Mahatma Montessori Matriculation Higher Secondary School, Madurai, Tamil Nadu
Project Title: "**Reducing Fuel Consumption and Carbon Footprint by Replacing Alternators with Seebeck Effect**"

Jeevanam – Biology

1. **Winners**

Shashwat S Nair & Arnav Dixit
Venkateshwar International School, New Delhi
Project Title: "**Neer Sanchayan: S-shalankund (Water Conserving Smart Sink)**"

2. **Runner up – I**

B Anjali
Venkateshwar International School, New Delhi.
Project Title: "**SHVAASK- The Respobuddy**"

3. **Consolation**

Siddhanth Attavar & Advait Abhijit Attavar
National Public School, Indiranagar, Bengaluru, Karnataka.
Project Title: "**Stroke Monitoring and Rehabilitation Using Technology (SMART)**"

Rasayanam – Chemistry

1. Winner

Siddhanth Singh

Venkateshwar International School, New Delhi.

Project Title: **“Cyanobacteria Neutralizer and Ocean Cleaner (CYNOC)”**

2. Runner Up - I

Bhavay Garg & Shubham Gupta

Maharaja Agarsain Public School, New Delhi.

Project Title: **"Pollution Check-O-Meter"**

Ganitam – Math

1. Winner

S Harini Hemavarshini

Shristi Vidyashram Senior Secondary School, Vellore, Tamil Nadu.

Project Title: **"Playing with Powers"**

2. Runner Up – I

Anand Kumar Sah

Army Public School, Raiwala Military Station, Uttarakhand

Project Title: **“T-Ratio Calculator (TRIC)”**

3. Consolation

Shubhashree Sahu

Paramita High School, Karimnagar, Telangana

Project Title: **“Geometrical Paths”**

3. Research Awardees

GANITAM-(MATH) Awardees

1. **Winner**
Arvind Kumar
Indian Institute of Technology, Madras, Chennai, Tamil Nadu
Project Title: "**Regularity of powers of quadratic sequences with applications to binomial ideals**"
2. **Runner Up – I**
Kousik Dhara
Indian Institute of Technology, Madras, Chennai, Tamil Nadu
Project Title: "**The (n, ϵ) -pseudospectrum of an element of a Banach algebra**"
3. **Runner Up – II**
Kalane Sagar
Indian Institute of Science Education and Research (IISER), Mohali, Punjab.
Project Title: "**Classification of pairs of quaternionic hyperbolic isometries**"

Bhoutikam - Physics -awardees

1. **Winner**
Subhajit Sinha
Tata Institute of Fundamental Research, Mumbai, Maharashtra.
Project Title: "**Bulk Valley Transport in Twisted Double Bilayer Graphene**"
2. **Runner Up I**
Leelashree S
University of Hyderabad, Hyderabad, Telangana.
Project Title: "**Structural and Magnetic Properties of Room Temperature Multiferroic $\text{Lu}_{0.9}\text{Ho}_{0.1}\text{FeO}_3$** "
3. **Runner Up II**
Seemesh Bhaskar
Sri Sathya Sai Institute of Higher Learning, Puttaparthi, Andhra Pradesh
Project Title: "**Hybrid Soret Nano-assembly for Ultrasensitive Surface Plasmon-Coupled Emission and Photonic Crystal-Coupled Emission Interfaces**"

Jeevanam - Biology awardees

4. **Winner**
Tushna Kapoor
Tata Institute of Fundamental Research, Mumbai, Maharashtra.
Project Title: “Nanoscale indentation of plasma membrane establishes a Contractile actomyosin scaffold through selective activation of the Amphiphysin-Rho1-Dia/DAAM and Rok pathway”

5. **Runner Up I**
Vinayak Sadasivam Tumuluri
Indian Institute of Science Education and Research (IISER), Pune, Maharashtra.
Project Title: “Mechanism of DNA cleavage by the endonuclease SauUSI – a major barrier to horizontal gene transfer and antibiotic resistance in Staphylococcus aureus”

6. **Runner Up II**
Ujjayinee Ray
Indian Institute of Science, Bangalore, Karnataka
Project Title: "Identification and Characterization of Novel Inhibitors of Nonhomologous End Joining: Implications in DNA Double-Strand Break Repair and Cancer Therapy”

Rasanayam - Chemistry awardees

1. **Winner**
Amreen Kaur Bains
Indian Institute of Science Education and Research (IISER) Mohali, Punjab.
Project Title: “Ni-Catalyzed Borrowing- Hydrogen Reactions via Hydrogen Atom Transfer (HAT)”

2. **Runner Up I**
Pallavi Thakur
Tata Institute of Fundamental Research, Hyderabad, Telangana.
Project Title: “Cobalt Nanoparticles Dispersed Nitrogen Doped Graphitic Nano spheres based Rechargeable High Performance Zinc-Air Batteries”

3. **Runner Up II**
Bidushi Sarkar
Indian Institute of Science, Bangalore, Karnataka
Project Title: “Chromium nitride nanoparticles supported on N-doped graphitic carbon heterostructure as electrocatalyst for oxygen reduction reaction”