



REPORT ON TECHNO SCIENCE SCHOOL EXPO 2019

Techno-Science Fair, a two-day national wide school competition, organized by Marine Technology Society (MTS), India Section in association with SRM MTS Student Chapter and SRM ASCE Student Chapter was held on 11th and 12th of July 2019 at T.P. Ganesan Auditorium, SRM Institute of Science and Technology, Kattankulathur. Schools from various parts of India participated, where a mixture of students from various grades and boards displayed their creative skill in the form of a working model or prototype and posters. The competition provided a widespread option in choosing the stream and track of interest for the students, thereby enabling choice flexibility. Students who chose the prototype track can further choose between one of the following four streams namely – Energy, Environment, Health, Artificial Intelligence (AI) and Robotics and Construction. No stream wise categorisation was present for the students who participated in the poster track, thereby no boundary was drawn for the student`s creativity. In addition to prototype and poster tracks, a quiz track was present, where two rounds – prelims and finals were held and student`s knowledge on real-time applications, novels and famous places were tested.

A brief about the moments of the competition

Techno-Science Fair was inaugurated on 11th July 2019. Dr. R. Venkatesan, Chairman, MTS India Section & Group Head – Ocean Observation Systems, NIOT welcomed the gathering. Dr. R. Venkatesan, briefed about the objective of the student chapter, the mission of MTS and the benefits of being an MTS member. Dr. D. Devaraj, Dean – Academics, Kalasalingam Academy of Research and Education (KARE) delivered the inaugural address. The chief guest briefed about the advancements in the field of science, benefits of attending a science fair and the importance of engineering in day to day life. Dr. C. Muthamizhchelvan, Director(E&T), SRM IST felicitated the event. Dr. J. Preetha Roselyn, Student Mentor, SRM-MTS Student Chapter briefed about the competition to the audience. The inaugural address was followed by presentation of mementos to the chief guests and the competition`s juries. Dr.K.Vijayakumar, HOD/EEE and Dr.Sathyanarayanan, HOD/Civil delivered the felicitation address. The end of the inaugural ceremony marked the beginning of the competition.

Juries from various fields of expertise were called to evaluate the work of the students. Selective juries were chosen to evaluate the posters based on the student`s work and their presentation. The organization of the competition and the volunteer`s efficiency can be proved exceptional, as different tracks – prototype, poster and quiz were proceeding parallely. A quiz master, who had conducted various quiz competitions at national level, took the responsibility of putting forward the questions to the students and an evaluator took charge of allotting points to each student team. Refreshments and a grand buffet lunch were served on both the days of the competition. The volunteers also ensured that students from far away distances were escorted to the competition location and provided with good hospitality by arranging proper transport facilities and stay at the institute`s student hostel.

The competition, on its second day, came to a finish followed by a valedictory function. Chief guest – Mr. K. Nandakumar, Secretary, MTS India Section participated in the valedictory function of the competition and awarded prizes to the students of the winning team. Cash prizes and medals were awarded to the students of winning team and runner-up in each stream of prototype track and also winning team and runner-up of poster and quiz tracks. In addition, the winning team and the runner-up received an excellence certificate. Participation certificates were awarded to all the participating teams and an appreciation certificate was awarded to all the volunteers and faculty mentors of schools. The valedictory function was marked with its end by a national anthem.

Success points of the competition –

- A total of 420 students from 19 schools participated in the event.
- 109 Prototypes, offering real-life applications, and 27 posters discussing about everyday issues were presented by the students and 46 teams participated in quiz competitions.
- 14 Juries, whose area of expertise were – Energy/Health/AI and Robotics/Construction/Environment.
- Certain prototypes presented by the students were equal to those made at engineering level.
- Cash prizes, medals and excellence certificates for students from the top two winning teams were presented by the chief guests during the valedictory function.
- Participation certificates were awarded to all the participating teams and appreciation certificates were awarded to all the volunteers.

LIST OF WINNERS OF THE COMPETITION:

PROTOTYPE:

Category:ENERGY

WINNERS:

- M.S. SARAVANAN , M.P. SIVAKESI-IST PLACE
AUTO VEHICLE ROAD LIGHT CONTROLLER –MAHATMA MONTESSORI MATRIC
HR.SEC.SCHOOL
- R. NITHEESH RAGHAV-IIND PLACE
MINI TESLA – G.B.PUBLIC SCHOOL
- YAGNESH .S , ADHITYA .V- IIND PLACE
POWER GENERATING – G.K.SHETTY VIVEKANANDA VIDYALAYA JUNIOR COLLEGE

Category:HEALTH

WINNERS:

- H.S.PRAJESH RAAM, S.B.DHARSAN- IST PLACE
VINAVI (VISUALLY IMPAIRED NAVIGATION) – MAHATMA CBSE, MADURAI
- M.TEJAS , C.V. PRASSANTH-IIND PLACE
ACCIDENT ALERT SYSTEM – DAV PUBLIC SCHOOL, CHENNAI

Category:CONSTRUCTION

WINNERS:

- M.K. BALAJI , STEVE SOLOMON J- IST PLACE

PAPER BRICKS - MAHATMA SCHOOL

- BUILDING BRIDGE - SRM PUBLIC SCHOOL-IIND PLACE
G. AKASHARA, DHEETCHANYA MOHAN, VEDASHRI

Category:ENVIRONMENT

WINNERS:

- AMUDHU , ANIRUTH -IST PLACE
MARIMO – SBOA SCHOOL
- NITHYASRI P, S.THUSHARA, B.ANUSHRI, T.SUDHISHNA-IIND PLACE
CHEMICAL PREDTOR FO CO2 – DAV PUBLIC SCHOOL

Category: AI AND ROBOTICS

WINNERS:

- ABHRAJITH-IST PLACE
GESTURE CONTROLLED MOUTH AND AIR BRUSH – AROBOT
- C.K.PRAJEIN, CHEMBIAN, PRITHAM, ADHITHYA KANNAN-IIND PLACE
ALPHA ETRONIX - SUNSHINE HR. SEC. SCHOOL
- P. DAMESON RAJ-IIND PLACE
HAND ROBOT - PANCHAYAT UNION MIDDLE SCHOOL

POSTER PRESENTATION:

WINNERS:

- HARISH AND KRIPANAND
LIGHTING POWER PLANT – DAV PUBLIC SCHOOL
- RINDYA NELSON, SHREAYAA, SONALI
ARTIFICIAL INTELLIGENCE – DAV PUBLIC SCHOOL



