

## **'PERSEVERANCE'**

### **NATIONAL SCIENCE DAY CELEBRATIONS 2021**

The Physical Science Department of Sree Narayana College had organized PERSEVERANCE - NATIONAL SCIENCE DAY CELEBRATIONS 2021 from 22 to 27 February 2021 at the college. National Science Day is observed to mark the discovery of Raman Effect by the great Indian Physicist and Nobel Laureate Sir. C. V. Raman on 28 February 1928. The basic objective of the observation of National Science Day is to spread the message of the importance of science and its application. The focal theme of this year is **'FUTURE OF STI: IMPACT ON EDUCATION, SKILLS AND WORK'**. The programme was convened by Dr. Viji V., Assistant Professor in Physical Science.

#### **DAY 1 (22 FEBRUARY 2021)**

On the first day, an online poster making competition was conducted under the leadership of Ms. Aiswarya Prasad. The theme for the poster was announced in the college official group at 8 am. The theme was **'SCIENCE: THEN AND NOW'**. The participants were given a deadline at 5pm, and were asked to use A4 sheet and any of the medium (crayon, water, colour pencil). The received posters were really creative, informative and eye-catching. Athira Jayakumar from the Dept. of English and Aswany Prasannan from Dept. of Malayalam have bagged the first and second prize respectively.

#### **DAY 2 (23 FEBRUARY 2021)**

On the second day, a paper presentation on **'PERSEVERANCE ROVER'** was carried out by Ms. Darsana Prakash and Mr. Midhun M. L. Ms. Darsana Prakash briefly described about this mission of NASA on Mars to study about its atmosphere, to check the presence of water, habitat and so on. It is a mission for 10 years and is equipped with machineries to collect nearly 30 samples from there. It has landed on Jezero Crater. The landing section of this mission was controlled by Ms. Swati Mohan, an Indian American Scientist. It was a 10 minute presentation and really informative and interesting.

Followed by the informative talk, Mr. Midhun M. L. presented a short talk on the topic **'Chowadoutyavum Chowadoshavum'**. He stressed that even though science has reached its heights, still some myths and superstitions are prevailing in the society. He questioned them and gave a brief talk on it about 10 minutes. The ideas highlighted through the talk were interesting and at the same time, worth thought-provoking.

#### **DAY 3 (24 FEBRUARY 2021)**

A very interesting Treasure Hunt Competition was conducted on the third day of the science week celebrations under the leadership of Ms. Akshaya K. It was an optional wise game and each team consisted of 3 members. Each team was given a colour and was asked to look for the clue cards of the corresponding colours that consisted of riddles. The first card was given to them at 1.15pm and the first team which collected brought all the clue cards along with the treasure card was considered as the winner. Mathematics Team (Mr. Akash D. S., Mr. Sajin Dev S. & Ms. Thrisara S. Prasad) won the competition.

#### **DAY 4 (25 FEBRUARY 2021)**

A Debate Competition was conducted on the fourth day on the topic **‘India’s investment to be focused more on scientific research and development or in accomplishing the basic amenities to the needy’**. Ms. Reshma G. S. and Mr. Dileesh S. were the moderators. There were 12 participants and they were divided into team of 6. Dr. Dhanya B. Chandran (Assistant Professor, SNTC) was the judge for the debate. The Debate began at 1.15 pm. At first, based on toss, a team was assigned to argue for the topic and the other against it. Each participant was given time to express their views. Then, their roles were reversed and thus everyone has got the chance to argue both for and against the topic. Based on the performance, 4 finalists were chosen- Sajin Dev S, Muhammed Haris, Abhina and Akhila. They were given the topic **‘Is encroachment of Technology in our day today life a blessing or curse?’**. Each one was given 4 minutes- 2 to argue for and 2 to argue against. After the competition, Dr. Dhanya declared Muhammed Haris from the Dept. of Social Science as the Best Debater. Ms. Abhina from the Dept. of Malayalam was awarded the second position.

#### **DAY 5 (26 FEBRUARY 2021)**

On the fifth day, a Quiz competition was conducted. A team of 3 members participated from each department. The quiz programme started at 11.30 am. It was moderated by Ms. Sruthy S. Pillai. Ms. Dhanya B. and Ms. Aiswarya T. recorded the marks scored by each team.

The first round was on basic science and the quizmaster was Ms. Swathy J. P. Each team was asked one question each. The correct answers on first attempt was awarded 5 marks and pass questions were given 3 marks. The second round was riddle round carried out by Ms. Sreelekshmi M. S. Each team was asked one question each and marking was similar to first round. The third round was an audio visual round and quizmaster was Ms. Pooja J. B. An audio and a visual of famous personalities were to be identified by the participants. Marking was same as the first two rounds.

Based on the total marks scored at the end of third round, 3 teams were selected for the finals. The final round was a rapid fire round conducted by Ms. Megha. Each team was allotted 30 seconds and each correct answer was awarded 5 marks. At the end, team Natural Science (Ms. Amrutha Prakash, Mr. Sumith and Ms. Anagha) bagged the first position with 25 points. Team English (Ms. Avani V. R., Ms. Meenu M. J., Ms. Athira Jayakumar) won the second position.

At 1.45 pm, a tabloid entitled 'SCIENCE REMINISCE' (Volume 2) was released by the Principal of the college Dr. Sheeba P. It was a science trip down the year 2020. The most scientific and significant breakthrough in 2020 was unveiled in it. Dr. Viji V. was the chief editor and Ms. Aiswarya Prasad, Ms. Darsana Prakash, Mr. Midhun M. L. and Ms. Sruthy S. Pillai were the sub editors. The layout and designing were done by Ms. Aparna B., Ms. Dhanya B and Mr. Dileesh S. Followed by the release of the tabloid, prizes were distributed to the winners by the Principal.

#### **DAY 6 (27 FEBRUARY 2021)**

As a culmination session of the one-week science day celebrations 2021, a webinar on the topic '**ADVANCES IN MATERIAL SCIENCE FROM MACRO TO NANO SCALE**' was carried out by **Dr. Sreekala M. S.** (AvH & JSPS Fellow), Post Graduate Dept. of Chemistry, Sree Sankara College, Kalady in online platform, Google Meet. The webinar was coordinated by Dr. Viji V. It started at 10 am. Ms. Umalekshmi S. L. compered the programme. The webinar started with a prayer song by Ms. Aparna B. Dr. Viji V. welcomed the resource person, the principal, the teaching staff and students to the webinar. Followed by it, Dr. Sheeba P., the Principal of the college, gave the presidential address. Sri. Praveen R. (Associate Professor, SNTC) felicitated the programme. Ms. Aiswarya S. introduced the resource person.

Dr. Sreekala started her talk with explaining the advancement of nanotechnology from middle age to the modern era. She detailed on various advancements like Quantum dots, Nano transistors, DNA Motor and so on. She also gave a brief explanation about her research work on polymer composites. She concluded her talk by mentioning various applications of Nano science in day-to-day life. Her talk was so simple and informative that all attended it with attention. At last, she answered the doubts raised by the students. The vote of thanks was delivered by Ms. Akshaya K. The webinar ended with National Anthem. The webinar marked the end of 6-day long science week celebrations.