

# THAALUKAL

## PHYSICAL SCIENCE ASSOCIATION NEWSLETTER

### FIELD TRIP TO PRIYADARSHINI PLANETARIUM & VELI LAKE



The Physical Science Association conducted a field trip on 25 October 2019. Dr. Viji V., Assistant Professor in Physical Science and 14 student teachers attended the show at the dome theater at 10.30 a.m., which was in Malayalam. Watching the show, which portrayed the space, sky, and universe on top of us, in the planetarium was a great learning experience. The team attended an interesting 3D show showcasing the wonders of science. After lunch, the team moved to the second destination at Veli Tourist Village. It was about 12 km from the planetarium. The Veli Tourist Village lies where the Veli Lake meets the Arabian Sea. The field trip served as an informative as well as a pleasurable experience for the students.

### COVID-19 AWARENESS VIDEOS

The Physical Science Association created three videos to conscientize the people regarding the adverse situation of COVID-19 and its effects.



The first video was a short play named 'VIRAL INTERVIEW-MULKKIREEDOM'. The student-teachers acted in different roles and it depicted the various means of spreading and precautions that should be taken against coronavirus. <https://youtu.be/XC1mdTgq9JI>



The second video was based on prominent losses of each district in Kerala during the lockdown time and the optimistic view of recovering from this situation. [https://drive.google.com/file/d/1eu3H1rRIC6r0TSjXhhebZP\\_Y-qh9ooH/view?usp=drivesdk](https://drive.google.com/file/d/1eu3H1rRIC6r0TSjXhhebZP_Y-qh9ooH/view?usp=drivesdk)



The third video mainly focused on the precautions to be observed in the present and future such as making and using masks and sanitisers, social distancing etc. [https://drive.google.com/file/d/1e\\_8qGaVIYAntdiafUNuq4i7QrTndlg2e/view?usp=drivesdk](https://drive.google.com/file/d/1e_8qGaVIYAntdiafUNuq4i7QrTndlg2e/view?usp=drivesdk)

## CONSCIENTISATION PROGRAMME ON SOLAR ECLIPSE 2019

The college organized a Conscientisation Programme on Solar Eclipse 2019 in collaboration with Kerala Sasthra Sahithya Parishad and the Energy Club of the college. The programme was comprised of four phases.

### PHASE 1: ORIENTATION TO RESOURCE PERSONS AT KERALA SASTHRA SAHITHYA PARISHAD



Orientation was provided to resource persons on 'Solar Eclipse' at the District Level Workshop conducted at Priyadarsini Planetarium organized by Kerala Sasthra Sahithya Parishad on 1 December 2019, which focused on giving a thorough awareness to the resource persons about Solar Eclipse and the science behind it.

### PHASE 2: AWARENESS CLASS TO STUDENT TEACHERS



Awareness class was conducted by the resource persons to the student teachers of the college on 'Solar Eclipse' on the science behind solar eclipse, various myths and superstitions related to it and safe methods to view solar eclipse. Training was given to student teachers on the construction of solar glasses.

### PHASE 3: AWARENESS AT THE SCHOOL LEVEL



Awareness sessions were conducted for students of schools in Thiruvananthapuram district like Government H.S.S., Palayamkundu on 6 December 2019; Government H.S.S., Cherunniyoor on 22 December 2019; and U.P. School, Palachira, Varkala on 25 December 2019.

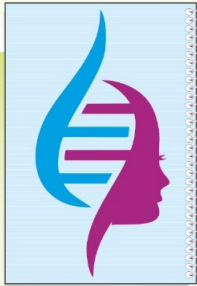
### PHASE 4: AWARENESS TO THE PUBLIC



Awareness was given to the general public including local Panchayat members for conscientising them about the safe viewing of solar eclipse, proper use of sunglasses, and for clarifying their misconceptions regarding solar eclipse. Classes were conducted at Block Resource Centre (BRC), Varkala and Bappuji Memorial Library, Kovoov on 23 December 2019, Urpura Cultural Reading Club, Njekkad on 24 December 2019. Also, conscientization classes were conducted in Murukkumpuzha, Chirayinkeezhu, Penkulam localities.

## NATIONAL SCIENCE DAY 2020

SREE NARAYANA TRAINING COLLEGE . Nedunganda PO



**THANMATHRA**  
NATIONAL SCIENCE DAY CELEBRATIONS 2020

Focal Theme  
**WOMEN IN SCIENCE**

26, 27, 28  
FEBRUARY

Supported by  
Kerala State Council for Science,  
Technology and Environment and Department of Science and Technology, Govt. of India

The National Science Day 2020 was celebrated in Sree Narayana Training College, Nedunganda from 26 February 2020 to 28 February 2020 in a befitting manner, with the support of the State Council for Science, Technology and Environment, Thiruvananthapuram. The theme was 'Women in Science'. The programme was entitled 'Thanmathra'. Dr. Viji V., Assistant Professor in Physical Science, was the coordinator of the programme.

### SCIENTIST IMPERSONATION



A Scientist Impersonation programme was conducted on 26 February 2020. The student-teachers of Physical Science Department masqueraded as scientists using digital photographs and other necessary props. They narrated their life and scientific contributions to high school children to inspire them. The participants of the programme included 210 high school students from S. N. V. G. H. S. S, Nedunganda. They participated in the programme with great interest and enthusiasm.

### RESOURCE TALK ON 'ROLE OF WOMEN IN INDIAN SPACE ARENA



A resource talk on the 'Role of Women in Indian Space Arena' was led by Smt. Jayanthi V. (Head, Quality Division Flight Software, VSSC). She highlighted the challenges encountered by women associated with Space Technology, in the light of her own experiences. She gave a brief description of the nature of work at ISRO, and the opportunities available to students to conduct research at ISRO.

## SCIENCE PLAY ON THE LIFE SPAN OF PLASTIC



A Science Play on the Life Span of Plastic was enacted by student teachers on 27 February 2020 in which the protagonist and antagonist were plastic, so as to create public awareness on the harmful effects of plastic use. With a powerful script and energizing rendering of dialogues, the student teachers were able to ignite the commitment to conserve Mother Nature in the minds of students.

## INTERCOLLEGIATE SCIENCE QUIZ COMPETITION



An Intercollegiate Science Quiz Competition 'Realia' was conducted in the college on 28 February 2020. It comprised of 5 rounds. The teams were named after the famous 'Women in Science', in accordance with the theme of the National Science day as Sunitha Williams, Tessy Thomas, Kalpana Chawla, Madame Curie, Valentina Tereshkova and Catherine Coleman.

## SCIENCE EXHIBITION



As a part of the Science Day celebrations, a Science Exhibition displaying creative science models and experiments were organized for school students. Around 115 students from S. N. V. G. H. S. S., Nedunganda participated in the programme with great curiosity and excitement.

## RELEASE OF THE TABLOID



A tabloid named 'Science Reminisce', depicting the scientific innovations of 2019 was released by Smt. Jayanthy V. The chief editor of the tabloid was Dr. Viji V. and the sub-editors were Ms. Mesha R. and Ms. Aparna R. 12 student teachers contributed to the tabloid with their explorative findings based on significant breakthroughs in 2019.

## EDITORS:

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