

all the programmes of NSD-2021 were conducted either as offline or online events. Competitions like essay and poster were conducted offline while those like eloquence, quiz and science models (for both teachers and students) were conducted online. The webinar facility of Outreach Division was used to conduct the online events. No. of participating schools were 51, No. of registered participants were 100, No. of events organized were 12, No. of prizes won were 52. In spite of the Covid-19 pandemic, there was good participation in the online events organized as part of the NSD-2021. Students who, by now, have had ample experience in on-line learning activities were found to be very comfortable participating in the online quiz, eloquence and science model competitions.

Teachers also took active part in the competition for educational models in science. The concluding ceremony was conducted online on 19-Feb-2021. Over 70 participants and teachers from various schools attended the event. Dr. P. K. Atrey, Dean R&D, IPR spoke to the participants and teachers. The prizes for the various competitions were also announced by him. The certificates were also distributed online to the winners of the various competitions. Following this, the participants shared their experiences and also gave their feedback on the NSD-2021.

National Science Day-2021 @ CPP-IPR

The National Science Day - 2021 was celebrated at CPP-IPR during the last week of February and first week of March, 2021. It was a week-long program where both online and offline competitions were held among the students of various schools of Sonapur and Guwahati. Due to Covid-19 pandemic, this year the competitions were held online which included essay, drawing, extempore speech and poster.

The competitions were conducted in three groups - Group A (classes 2-5), Group B (classes 6-8) and Group C (classes 9-11). However, drawing and extempore speech competitions were held among the students of Nazirakhat Primary School at their school premises offline (which is few blocks away from CPP-IPR), with the help of the teachers and following covid-19 protocol. These were conducted among the students in two groups of class 1-2 and class 3-5. An online concluding session was organized on 1st March, 2021. Prof. Jiban Jyoti Das of Cotton University, Guwahati, delivered a popular science talk. The names of the winners of various competitions were announced in the concluding session. The

prizes were later distributed to the respective schools that participated in the events.

Swachhata Pakhwada 2021

“Swachhata-Pakhwada” was observed at IPR and its campuses during 16-28 February, 2021 as a part of the “Swachh Bharat Mission” to promote cleanliness. As part of this drive, IPR staffs were motivated to clean their offices and laboratory spaces and clear away unwanted materials. All employees of IPR were effectively involved in mass cleaning activities during this fortnight. The activities carried out during of Swachhata Pakhwada -2021 were as follows:

- Ensuring general cleanliness of all the campuses of IPR
- Removal of all unwanted waste items collected from offices, laboratories and various open spaces of the institute campus. These items were segregated at one place for sorting and disposed them accordingly.
- Survey of several location of IPR campus waste collection disposal.
- Online Quiz (on ‘Swachhata’) and Eloquence (on the topic on ‘Cleanliness is our responsibility’ in Hindi/English/Gujarati) competition were organized for the Schools students in Ahmedabad-Gandhinagar districts.
- Poster, Slogan (Hindi/English/Gujarati) and Essay (Hindi/English/Gujarati) competition (for IPR staff and family) were organized for IPR staff and their families on the following topics:
 - o Clean and Healthy India: A collective responsibility for all Indians
 - o Role of Public sectors and Industries in clean India drive
 - o How to inculcate cleanliness awareness among school children
- A webinar on “Plasma Technologies for Waste Management” was organized in which Dr. S. K. Nema, Senior Scientist in IPR discussed about the plasma based technologies is used for the treatment and management of waste developed at IPR. Apart from the above activities, the Swachhata Pakhwada committee, based on the nominations received from IPR staff,



selected four 'Swachhata Senani' taking into consideration their contribution and involvement in various Swachhata activities since several years and felicitated them during the concluding session program. Prizes were also given out by Dr. P. K. Atrey, Dean R&D to the winners of various competitions conducted under the auspices of Swachhata Pakhwada 2021.

Extensive collection of waste and garbage from office rooms, laboratories and other areas in all the campuses was undertaken over the week. These waste were then segregated and disposed off appropriately. As part of campus beautification, tree trunks were painted with terracotta to enhance their look as well as protect them from termites. Quiz and Eloquence competitions for schools in Ahmedabad /Gandhinagar cities were conducted on-line in association with Outreach Division. Awards were also given to the "Swachhata Senani" who, on their own, have contributed to keeping their surroundings clean and green and also for spreading the concept of "Swachhata hi seva hai" in the society. They were Mr. Raj Singh, Mr. Gautam Vadolia, Ms Deepa Singh (wife of Dr. Rajesh Singh) and Mr & Mrs D. K. Gupta. Our hearty congratulations to them, and we hope that they will continue their good work.

50th National Safety Week-2021 @ IPR

The 50th National Safety Week was celebrated at IPR from 4-10 March 2021. This year's theme was "Learn from Disaster and Prepare for a Safer Future." Due to COVID-19 situation, the institute organized various competitions online during this week to create safety awareness among its employees. Competitions were organized on Slogan in Gujarati, Hindi & English, Online Quiz and Essay Writing in Gujarati, Hindi & English based on decided topics for the employees of IPR, FCIPT & ITER-India. Overwhelming response was received from the employees for various competitions. Safety Training cum Awareness Program was also conducted by Shri D. Modi for the Safety co-ordinators during the week. The Concluding Session was conducted online on 10th March, with the following activities,

- A welcome address delivered by Shri Devendra Modi.
- A presentation on "Safety Measures at High Heat Flux Test Facility at IPR" by Shri Sunil Belsare.
- Safety Pledge read out by the Dr. P.K. Atrey, Dean (R&D).

- The Director delivered a Message on Safety. He emphasised that our preparedness towards any disaster may minimize its adverse effects. He informed that Preparation through education is less costly than learning through tragedy. Don't learn safety by accident. He congratulates all the winners of various competitions.

- Announcement of the winners of various competitions.

- Shri D Modi gave the vote of thanks on behalf of Shri Sunil Kumar, Chairman-Safety Committee.

50th National Safety Week – 2021 @ CPP-IPR

CPP-IPR observed the 50th National Safety Week campaign with a 2-day programme on 4th & 10th March, 2021. Various competitions, like poster and slogan writing on safety issues, and a quiz competition were conducted among the employees. The quiz was conducted on-line on 4th March, 2021 and a total of 12 participants took part in the event. 4 nos. of slogan each in Assamese and Hindi and 5 nos. in English were received. The concluding function was held on 10th March, 2021. The program started with the welcome address by the Acting Centre Director. A brief talk on 'Electrical Safety' was delivered by Mr. Pallab Das, Electrical Engineer (Project). After this, the winners of various competitions were announced and rewarded.

IPR Outreach Activities

On 10th March 2021, Sophia College, Mumbai, 110 students of BSc (Physics/Chemistry) and 4 teachers attended a webinar on Plasma & its applications and on 15-16 March 2021, Smt. Shantaben Haribhai Gajera Engineering College, Amreli, 32 B. Tech (ECE) students and 5 faculty members attended the webinar on Plasma & its applications.

Felicitation to Professor P. I. John

An on-line function was organized on 18th March, 2021 to mark the 80th birthday of Padmashree Prof. P.I. John. This event had felicitations and talks on his contributions to various areas of plasma science & technology. Over 25 of Prof. John's colleagues and PhD students participated in the online meeting to felicitate him. Director IPR, Dr. Shashank Chaturvedi gave the welcome address and also revealed the book of felicitations as well as the Plasma physical vapour deposition TiN coated brass plaque with a stippling style