

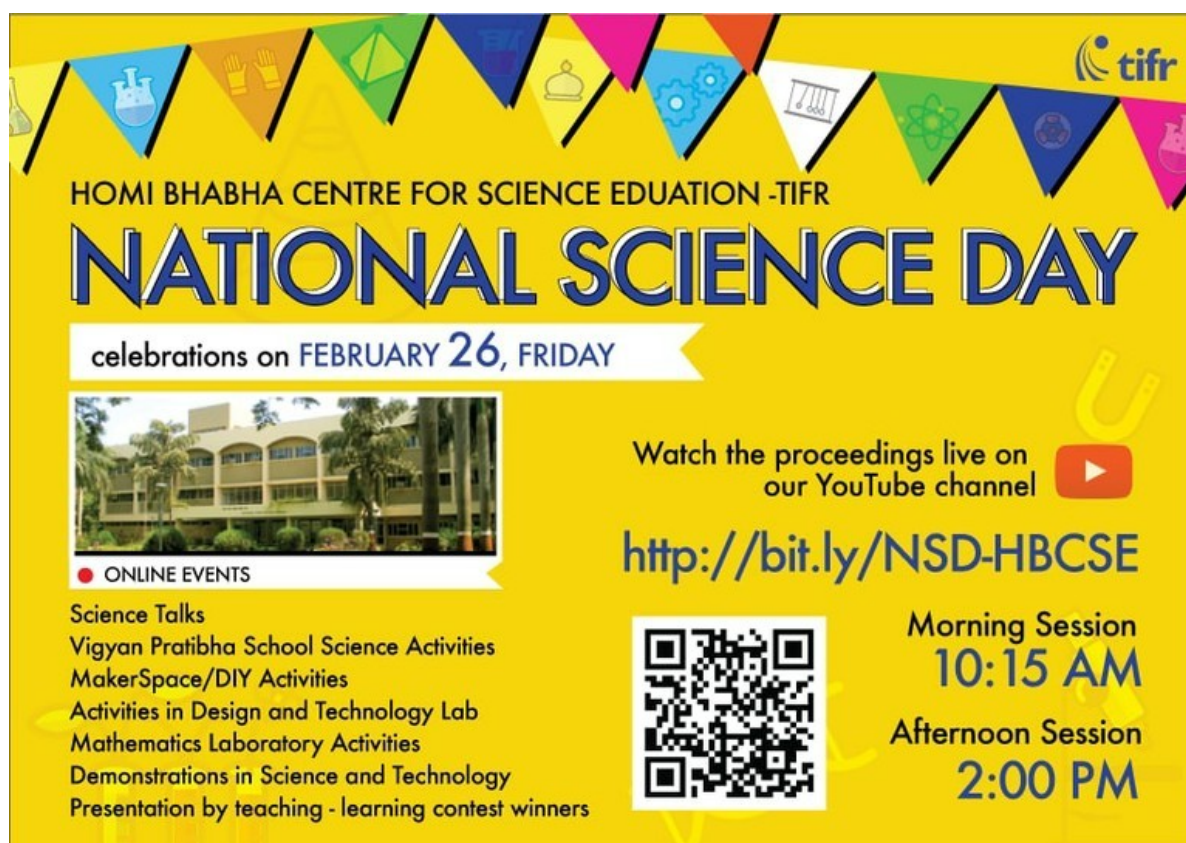
**Homi Bhabha Centre for Science Education**  
Tata Institute of Fundamental Research, Mumbai

**ANNUAL REPORT OF COMMEMORATIVE EVENTS AND CELEBRATIONS**

**August 2020 to July 2021**

**National Science Day 2021**

The NSD 2021 took place online due to the pandemic. The event is available for viewing here: <https://www.youtube.com/watch?v=izdmoKXr9IU>



The poster features a yellow background with a decorative banner at the top containing various science icons like a flask, hands, a triangle, a beaker, a gear, a scale, a globe, and a microscope. The TIFR logo is in the top right corner. The main text reads 'HOMI BHABHA CENTRE FOR SCIENCE EDUCATION -TIFR' and 'NATIONAL SCIENCE DAY' in large blue letters. Below this, it says 'celebrations on FEBRUARY 26, FRIDAY'. A photo of the HBCSE building is shown with the text 'ONLINE EVENTS' below it. A list of activities includes Science Talks, Vigyan Pratibha School Science Activities, MakerSpace/DIY Activities, Activities in Design and Technology Lab, Mathematics Laboratory Activities, Demonstrations in Science and Technology, and Presentation by teaching-learning contest winners. A QR code is provided for more information. The event schedule is listed as 'Morning Session 10:15 AM' and 'Afternoon Session 2:00 PM'. A YouTube icon and the URL 'http://bit.ly/NSD-HBCSE' are also present.


HOMI BHABHA CENTRE FOR SCIENCE EDUCATION -TIFR

**NATIONAL SCIENCE DAY**

celebrations on FEBRUARY 26, FRIDAY

ONLINE EVENTS

- Science Talks
- Vigyan Pratibha School Science Activities
- MakerSpace/DIY Activities
- Activities in Design and Technology Lab
- Mathematics Laboratory Activities
- Demonstrations in Science and Technology
- Presentation by teaching - learning contest winners

Watch the proceedings live on our YouTube channel 

<http://bit.ly/NSD-HBCSE>

QR Code

Morning Session  
10:15 AM

Afternoon Session  
2:00 PM

## Nineteenth V. G. Kulkarni Memorial Lecture, September 7, 2020

Dr. Sharad Kale (Eminent Scientist) delivered the Nineteenth V. G. Kulkarni Memorial Lecture on “Our collective responsibility towards environmental sustainability” on September 7, 2020. YouTube Link: <https://www.youtube.com/watch?v=zobmUmtvNuM>

**THE NINETEENTH V. G. Kulkarni Memorial Lecture**

The nineteenth V. G. Kulkarni Memorial Lecture will be delivered by eminent scientist Dr. Sharad Kale. Dr. Kale did his M. Sc. and PhD in Microbiology from Pune University. He joined Bhabha Atomic Research Centre in 1975 and served as a scientist in various capacities till August 2018. He acted as an Associate Director, Bioscience Group, Head Nuclear Agriculture and Biotechnology Division and Head Food Technology Division. His major contributions are in the fields of Pesticide microbial preparations and environmental impact of pesticides, Green synthesis of metal nano particles using biological routes, and Solid waste management and Nisarguna (Green ITM) concept. He has over 70 publications to his name and has developed several technologies which are in the public domain. Dr. Kale was the Chief Coordinator for several international projects on the use of radioisotopes in environmental research, which were initiated by the International Atomic Energy Agency (IAEA), Vienna, Austria. Additionally, he has written many popular science articles in Marathi, and conducted numerous workshops with students, teachers, and citizens for over two decades bridging the gap between science and society.

Homi Bhabha Centre for Science Education  
Tata Institute of Fundamental Research  
cordially invites you to the  
Nineteenth V. G. Kulkarni Memorial Lecture by  
**Dr. Sharad Kale**  
Eminent Scientist

Date: Monday, September 07, 2020  
Time: 11:30 am - 1:00 pm  
Zoom Meeting Link: <http://bit.ly/VGKML-19>

**Our collective responsibility towards environmental sustainability**

Various human activities have led to severe depletion of earth's resources. Environmental pollution has been a part of life for many centuries but it has become a burning problem since the beginning of the industrial revolution. Due to environmental pollution, the drastic changes such as depletion of the ozone layer, global warming and climatic changes are occurring across the world. The major factors responsible for these changes are deforestation, rapid increase in population and irresponsible use of resources. Nature has not taken these changes kindly and has shown its fury in various manners. The number of natural disasters is on the rise. A root cause of this alarming situation is the neglect by average human beings towards their environmental responsibility. Blinded by the material world, human beings have forgotten that mother earth and living beings are complementary to each other. Adopting a care-free lifestyle would pave the way for bettering our relationship with nature. The talk will focus on our collective responsibility towards environmental sustainability.

This live event is supported by the  
Mathematics Teachers' Association (India)

Homi Bhabha Centre for Science Education  
V. N. Purav Marg, Near Anushaktinagar Bus Depot,  
Mumbai-400 089  
Phone: (022) 2558 0036; Website: [www.hbce.tifr.res.in](http://www.hbce.tifr.res.in)

tifr



## Homi Bhabha Award for Science Education 2020 Felicitation


A screenshot of a Zoom meeting titled "Homi Bhabha Award in Science Education 2020 (HBASE-2020) public lecture by Dr. B. Satyanarayana". The meeting is in progress, with four participants visible in a grid view. The top-left participant is a woman named Deepa Chari. The top-right participant is a man named K Subramaniam. The bottom-left participant is a man with glasses, identified as B. S. Satyanarayana. The bottom-right participant is a man with glasses, identified as Shrinivasan Ramakrishnan. The Zoom interface shows a play button, a progress bar at 0:02 / 1:36:15, and an "Exit full screen (f)" button. The name "B. S. Satyanarayana" is visible in the bottom left corner of the video frame.

A function to felicitate the awardees of the Homi Bhabha Award in Science Education - 2020 was held on April 29, 2021, from 3:00 p.m. online. Public lectures by Dr B. Satyanarayana [YouTube Link: <https://www.youtube.com/watch?v=Q8ThVTOy8Uk>] and Dr. Uma Ramakrishnan [YouTube Link: <https://www.youtube.com/watch?v=T8m-jdJSx2g>] were also organised.

## Events on the occasion of International Women's Day, March 2020


On the occasion of International Women's Day on March 08, 2021, several events were organised to create further awareness of issues faced by women. This included displaying of posters and books on women's issues. A documentary film, 'Picture A Scientist' was also screened via zoom, on March 12.

"An acclaimed film with scientists who provide new perspectives on how to make science itself more diverse, equitable, and open to all."



# PICTURE A SCIENTIST

RECOGNIZING AND DISMANTLING BIASES  
A FILM BY SHARON SHATTUCK & IAN CHENEY



SCREENING TIME AS PER CENTER

Screening	Date	Time
NCRA	March 8	11:30 AM
HBCSE	March 8	02:30 PM
TIFR-H	March 8	05:00 PM
NCBS	March 8	05:30 PM
ICTS	March 10	04:00 PM
CAM	March 9	02:00 PM
TIFR	March 9	02:30 PM

CLICK TO WATCH THE FILM TRAILER  
<https://vimeo.com/405966332>

PANEL DISCUSSION:  
FRI, MARCH 12, 4 PM  
[HTTPS://ZOOM.US/J/91427966752?](https://zoom.us/j/91427966752?pwd=RkPCDE53DL6A3JLUL3NN3R6RTLBU09)  
PWD=RkPCDE53DL6A3JLUL3NN3R6  
RTLBU09  
(PASSCODE: 388629)

YOUTUBE LINK:  
[HTTPS://TINYURL.COM/J2B57ATZ](https://tinyurl.com/j2b57atz)

SCREENING DETAILS, HBCSE:  
[https://zoom.us/j/92785750306?](https://zoom.us/j/92785750306?pwd=ZkxpeEp0ZiZkRlplYms5Uj9uMVJZz09)  
pwd=ZkxpeEp0ZiZkRlplYms5Uj9uMVJZz09  
(Passcode: 581906)

**ALL ARE INVITED!**

## Talk by Prof K. K. Mishra on the occasion of Hindi Divas

K. K. Mishra TIFR Rasayan vigyan– Itihaas ke Aiine me Hindi Divas TIFR Mumbai India Sep 2020