

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

**ANNUAL REPORT OF COMMEMORATIVE EVENTS AND
CELEBRATIONS**

August 2019 to July 2020

National Science Day 2020



Homi Bhabha Centre For Science Education
Tata Institute of Fundamental Research

NATIONAL SCIENCE DAY

**FRIDAY
28 FEB**

(10AM to 4PM)



MAJOR ATTRACTIONS:

Demonstrations in Science and Technology

Exhibitions on History of Science,

Gender & Science

Hands-on Minds-on Mathematics Lab

CUBE: Collaborative Undergraduate

Biology Education Laboratory

Design and Technology Lab

Liquid Nitrogen Experiments

Glass Blowing Techniques

Sale of Scientific Books and Toys

Garden Walk

**Location: HBCSE, TIFR, V.N. Purav Marg, Near Anushakti
Bus Depot, Mankhurd, Mumbai- 400088**



HBCSE celebrated National Science Day as an open house day on 28th February 2020, where over 2500 visitors, including students, teachers, and parents visited HBCSE. Forty B.Ed students were trained as resource persons to help demonstrate exhibits in various laboratories of the Centre.

Eighteenth V. G. Kulkarni Memorial Lecture

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

Prof. Anita Rampal has a Ph.D in Theoretical Physics and was Head and Dean at the Faculty of Education, Delhi University India. She has been a Fellow of the Nehru Memorial Museum and Library a U.G. C. Research Scientist, the Nehru Visiting Professor at the University of Baroda, and the Director of the National Literacy Resource Centre, Lal Bahadur Shastri National Academy of Administration, Mussoorie. Prof. Rampal is on the Executive Committee of the International Commission of Mathematics Instruction (ICMI) and has been part of several national and international committees. She has been deeply involved with the Hoshangabad Science Teaching Programme, the National Literacy Campaigns, and the People's Science Movement. She was on the Executive Committee of the National Council of Education Research and Training (NCERT) and also the Chairperson of the textbook development teams at the primary stage. Her special interests include curriculum studies, science-technology-society and critical mathematics education, teacher education and policy analysis.

Prof. Anita Rampal
Formerly Professor at the University of Delhi, India

Date: Monday, September 23, 2019
Time: 4:00 - 5:30 pm

SCIENCE AND SENSIBILITY: REFRAMING A KNOWLEDGE COMMONS

There are concerns worldwide about the quality of education of countries being 'measured' through 'standardised' tests only in three learning areas of school - language, science and mathematics. India had resisted being pushed into international testing while focusing on equitable provision for all children, but has now declared its entry into PISA 2021. This presentation looks at the implications of global competition and 'standardisation' of science and mathematics education from a quality and equity perspective. It also looks back to interrogate what has historically constituted 'official' knowledge in science, distanced from people's social and cultural modes of knowledge production, creating hierarchies within disciplines, learners and societies. In this light, it is significant to understand some attempts made to democratise science education to depart from its gatekeeper role of 'filtering the talented few'. The challenges are profound, to reframe its 'knowledge commons', through pedagogies of situated activity and a vision for transformative community action. How do we engage with complex issues of social justice, in the face of increasing privatisation? How do we eradicate deep 'hierarchies of skill' vs 'knowledge', 'talent' vs 'low ability', or 'academic' vs 'vocational'? What could be a vision for sustainable development, encompassing an informed inclusive understanding of people's science and indigenous knowledge, without uncritical valorisation of the past?

Venue: V. G. Kulkarni Auditorium
Homi Bhabha Centre for Science Education
V. N. Purav Marg, Near Anushaktinagar Bus
Depot, Mankhurd, Mumbai-400 088
Phone: (022) 25580036;
Website: www.hbcse.tifr.res.in





Prof. Anita Rampal (Formerly Professor at the University of Delhi) delivered the 18th V. G. K. Memorial Talk on “Science and sensibility: Reframing a knowledge commons” on 23 September 2019. YouTube Link: <https://www.youtube.com/watch?v=iFVakOaEOMk>

Hindi Divas, 2019

होमी भाभा विज्ञान शिक्षा केंद्र
HOMI BHABHA CENTRE FOR SCIENCE EDUCATION

दिनांक- 11 सितम्बर, 2019

हिन्दी दिवस- 2019

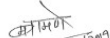
:- सूचना :-

होमी भाभा विज्ञान शिक्षा केन्द्र, (टी.आई.एफ.आर.) द्वारा आगामी 30 सितम्बर 2019 को 'हिन्दी दिवस' मनाया जाएगा। राजभाषा समिति ने इस उपलक्ष्य में 'निबन्ध-लेखन' तथा आशुभाषण प्रतियोगिताओं का आयोजन करने का निर्णय किया है। ये प्रतियोगिताएं क्रमशः 26 तथा 30 सितम्बर, 2019 को आयोजित की जाएंगी।

प्रतिस्पर्धीओं के विजेता प्रतिभागियों को हिन्दी दिवस समारोह में 30 सितम्बर 2019 को नकद पुरस्कार तथा प्रमाण-पत्र प्रदान कर सम्मानित किया जाएगा।

होमी भाभा केन्द्र के समस्त कर्मचारीगण (नियमित, परियोजनागत, अंशकालिक, या संबिदा, इत्यादि पर कार्यरत) इन स्पर्धाओं में हिस्सा ले सकते हैं। इच्छुक प्रतिभागी कृपया सुश्री सोनाली पुरी (कमरा नं. 115, स्थापना) के पास अपना नाम नोट कराने का कष्ट करें।

आशा है, होमी भाभा केन्द्र के कर्मचारीगण हिन्दी दिवस के उपलक्ष्य में आयोजित इन प्रतियोगिताओं में पूरे उत्साह से हिस्सा लेंगे।


महेश बा. बाभणे
हिन्दी सम्यक अधिकारी
राजभाषा समिति

होमी भाभा विज्ञान शिक्षा केंद्र
HOMI BHABHA CENTRE FOR SCIENCE EDUCATION

हिन्दी दिवस- 2019

प्रतियोगिता- विवरण

हर प्रतियोगिता के लिए पुरस्कार राशि इस प्रकार होगी।

1. निबन्ध लेखन प्रतियोगिता

श्रेणी	राशि	पुरस्कारों की संख्या
प्रथम पुरस्कार	3000 रु.	1
द्वितीय पुरस्कार	2500 रु.	1
तृतीय पुरस्कार	1500 रु.	1

2. आशुभाषण प्रतियोगिता

श्रेणी	राशि	पुरस्कारों की संख्या
प्रथम पुरस्कार	1000 रु.	1
द्वितीय पुरस्कार	750 रु.	1
तृतीय पुरस्कार	500 रु.	1
प्रोत्साहन पुरस्कार	300 रु.	1

होमी भाभा विज्ञान शिक्षा केंद्र
HOMI BHABHA CENTRE FOR SCIENCE EDUCATION

हिन्दी दिवस- 2019

निबंध के विषय- (प्रतिभागी अपनी पसंद का कोई एक विषय चुन सकते हैं।)

1. भारत की वैज्ञानिक प्रगति
2. स्वच्छ भारत अभियान
3. राष्ट्रनिर्माण में महिलाओंकी भूमिका
4. मोबाइल फोन- फायदे और नुकसान

Founder's Day Celebration at HBCSE, 30 October 2019





Founder's Day celebration also took place in TIFR main campus where HBCSE members set up stalls on various education laboratories of the centre.

Public Lecture on occasion of International Women's Day, 2020

HBCSE Women's Cell organised a public lecture as part of the celebration of International Women's Day, 2020. A talk by Prof A. Mani on Microaggressions, Sex, Sexuality & Gender took place on March 13, 2020

HBCSE Women's Cell invites you to a public lecture as part of the celebration of **International Women's Day, 2020**

Microaggressions, Sex, Sexuality & Gender

Microaggressions are small, subtle, often subconscious actions that marginalize people in oppressed groups including women. Sue (1978) defined it as brief and commonplace daily verbal, behavioral, or environmental indignities, whether intentional or unintentional, that communicate hostile, derogatory, or negative racial slights and insults. It can be argued that many microaggressions exist because the microaggressors do not understand the basic nature of associated macroaggression(s) and lack empathy.

Eventually microaggressions play a big role in defining regressive aspects of culture, social norms, and support systems for various types of macro aggression. Therefore they are important in the context of any feminist discourse that seeks to speak to the larger public. In this talk, I will consider the nature of a number of microaggressions that relate to sex, sexuality and gender, and possible methods of combating them. The connection of these with Dawkins' idea of the meme as a unit of cultural evolution will also be considered.

Date: Friday, March 13, 2020
Time: 4:00 pm

Speaker: Prof. Dr. (Mrs) A Mani

A. Mani is a researcher in algebra, logic, rough sets, vagueness, mereology and foundations of Mathematics. She is a leading researcher on the foundations of rough sets. Her interests include algebraic semantics, granularity, mereology, other formal approaches to vagueness, dialectical logic, generalized probability, ML and allied areas. She was associated with the University of Calicut till recently. She is a senior member (elected) of the International Rough Set Society, and a visiting faculty/researcher of HBCSE, TIFR Mumbai. Mani is also an active feminist, lesbian rights and free software activist. She has been involved in few projects and has published a number of academic and popular articles on the subject.



**Venue: V. G. Kulkarni Auditorium
Homi Bhabha Centre for Science Education
Tata Institute of Fundamental Research
V. N. Purav Marg, Mankhurd, Mumbai - 400088
Phone: (022) 2558 0036, www.tifra.tifr.res.in**



2020-3-13 16:13

epiSTEME8 International Conference, January 3-6, 2020



Infosys Award Function, 2019

The Infosys Award Function for science and mathematics Olympiad medallists of 2019, held on 20 December, 2019, was attended by Olympiad medallists, team leaders and observers. Two scientific lectures were also organised on this occasion.



Scientific lectures by Prof. G. Ravindra Kumar, TIFR [YouTube Link: <https://www.youtube.com/watch?v=DBmzgxzdcmA>] and Prof. Gagandeep Kang, Executive Director, Translational Health Science Technology Institute (THSTI) [YouTube Link: <https://www.youtube.com/watch?v=Yd0b3kbf028>] during the Infosys Award Function 2019.