



“e-Celebration of National Science Day-2021”

**“e-Celebration of National Level
Science Carnival-2021”**

National Science Day is celebrated every year on February 28. This day recalls the notable invention "Raman Effect" by India's greatest scientist C.V Raman. He was awarded the Nobel Prize for this discovery. Since that day, February 28 is being commemorated as National Science Day to recall the great discovery of CV Raman.

Basic Objective: To propagate the message of the importance of science and its application among the students.

Theme: Future of Science, Technology & Innovation (SIT): Impacts on Education, Skills and Work

Humankind has the science and technology to destroy itself or to provide prosperity for all. But while science offers us these opportunities, science will not make that choice for us.

Only the moral powers of a world acting as a community can (Margaret Beckett).

The National Level Science Carnival-2021 was jointly organized by Dept. of Botany, Biochemistry, Biotechnology and Zoology Dr. Ambedkar College Deekshabhoomi Nagpur, on the eve of National Science Day on 26-27/02/2021. The Chief Guest of the event were Professor (Dr.) N. S. Gajbhiye Retd. Prof. IIT, Kanpur Ex.-VC HS Gour Uni. Sagar, Ex.-VC Deendayal Upadhyay Gorakhpur Uni. and Dr. Ravindra Satpute Scientist-E Defence Research and Development Organisation-DRDO.

Popular Science Lecture, delivered by Professor (Dr.) N. S. Gajbhiye. His lecture focused on new techniques involved in Science and technology for the welfare of society. He put light on the sustainable use of natural resources for securing our future developments without destructions by citing various explicative examples. His PowerPoint presentation was a perfect tool for providing knowledge to the students. He acknowledged the students with various



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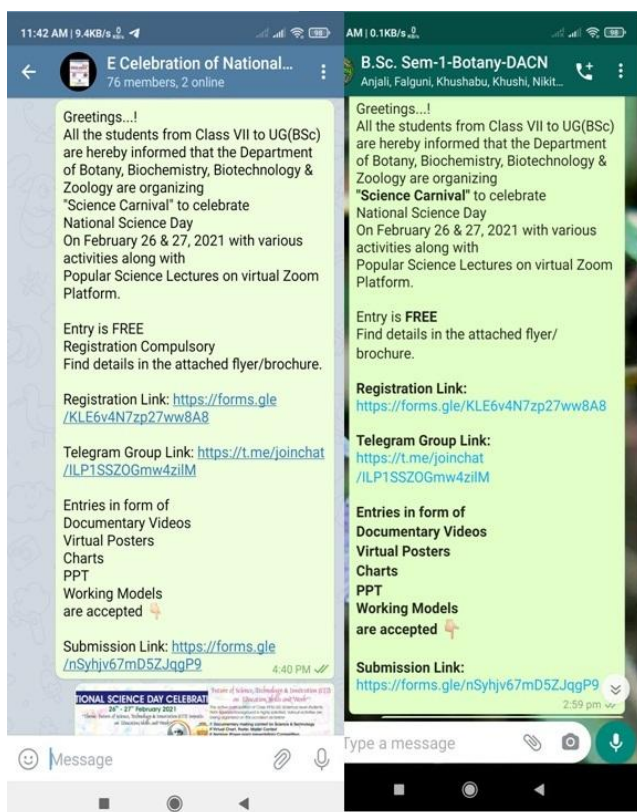
government schemes like ‘Inspire Scholarship’, ‘Research Fellowships’ in order to promote students towards basic science research opportunities.

Dr. Ravindra Satpute Scientist-E, DRDO, focused on this year’s National Science Day-2021 theme “Future of Science, Technology & Innovation (SIT): Impacts on Education, Skills and Work”. He motivated the students to utilize their talents and skills in Science, Technology and Innovation for the future of nation.

Principal, **Dr. (Mrs.) B. A. Mehere** addressed the event and welcomed the guests. Vice-Principal **Dr. K. G. Rewatkar** briefed the gathering about National Science Day and stressed that events like documentary making, virtual chart, poster, model, PPT context should be regularly organized to help students to develop scientific spirit and technological Innovation.

The documentary making, virtual chart, poster, model, PPT context received a huge response from several colleges of Maharashtra and other State. 49 students participated in the competition while 297 participant registrations were recorded for this event.

Teaching staff of Botany Dept., (**Dr. S.R. Somkuwar & Dr. Rahul Kamble**), Biochemistry Dept. (**Dr. U.D. Dongre, Dr. Deorat Begde, Mr. Rohan Thawre & Mr. Pradip Hirapure**) Zoology Dept. (**Dr. R.S. Bagde & DVNS Suresh**) including Non-Teaching Staff of Deptt. had a huge contribution for making this event successful. The programme was compered by **Dr. Archana Meshram** while a formal vote of thanks was proposed by **Ms. Rita Lakkakul**.





DEPT. OF BOTANY

Date: 26-27/02/2021

"e-Celebration of National Science Day-2021"

NATIONAL SCIENCE DAY CELEBRATION
 26th - 27th February 2021
 "Theme: Future of Science, Technology & Innovation (STI): Impacts on Education, Skills and Work"

National Level SCIENCE CARNIVAL
 (Virtual Charts, Model, Poster, PPT, Documentary Contest)
 (For VII to UG Students)

"POPULAR SCIENCE LECTURES"
 (by Eminent Scientists)

Dr. N. S. Gajbhiye, Retd. Prof., IIT, Kanpur
 Ex-VC, HS Gour Uni., Sagor
 Ex-VC, Deendayal Upadhyay Gorakhpur Uni.

Dr. Ravindra Satpute, Scientist E
 Defence Research and Development Organization (DRDO)

Organized by
Dept of Botany, Biochemistry, Biotechnology & Zoology
Dr. AMBEDKAR COLLEGE
 NAAC RE-ACCREDITED WITH "A" GRADE (CGPA 3.45)
 Recognised by UGC as College with Potential for Excellence
 Deekshabhoomi, Nagpur- 440010 (MS) India

"Theme: Future of Science, Technology & Innovation (STI): Impacts on Education, Skills and Work"

The active participation of Class VII to UG (Science) level students from Science background is highly solicited. Various activities are being organized on this occasion as below

- # Documentary making contest on Science & Technology
- # Virtual Chart, Poster, Model Contest
- # Seminar (Power point presentation) Competition

TERMS & CONDITIONS -

- Registration link: <https://forms.gle/KLE6v4N7zp27vw8A8>
- Students from Science background can participate the Carnival.
- Upload Identity Card of the School/College in the online registration form.
- Last Date of Registration: 21/02/2021(05:00 pm)
- Last Date of Submission of Documentary Videos/Charts/Poster: 24/02/2021(05:00 pm)
- Prizes for Contest: First Prize: 3000/- Second Prize: 2000/- Third Prize: 1000/-
- Organiser's decisions shall be final.
- For Queries Contact: Dr. U.D. Dongre: 9730398751; Dr. DVNS Suresh: 9325696668; Dr. Rahul B. Kamble: 9960258739

(Note: #Minimum time duration of Documentary: 5-7 min; #Seminar contest presentation time: 5 min; #Virtual Poster/Chart in JPS format; #For working model prepare 5 min recorded video)
 All entries should be submitted through this link: <https://forms.gle/h5Syhv67mDSZJggP6>

COMMITTEES

Patron
 Hon'ble Bhante Arya Nagarjun Shurei Sasaki
 President, Param Poojya Dr. Babasaheb Ambedkar Smarak Samiti Deekshabhoomi

Hon'ble Dr. Sudhir S. Fulzele
 Secretary, Param Poojya Dr. Babasaheb Ambedkar Smarak Samiti Deekshabhoomi

Chairperson
 Dr. (Mrs.) B. A. Mehere, Principal, Dr. Ambedkar College, Deekshabhoomi, Nagpur

Co-Chairperson
 Dr. K.G. Rewatkar, Vice-Principal, Dr. Ambedkar College, Deekshabhoomi, Nagpur

Conveners
 Dr. R. S. Bagde, HoD, Zoology; Dr. S. R. Somkuwar, HoD, Botany
 Dr. U. D. Dongre, Dept. of Biochemistry & Biotechnology

Organizing Secretaries
 Dr. A. A. Meshram; Dr. DVNS Suresh
 Dr. Deoraj Begde; Dr. Rahul B. Kamble

Co-ordinators
 Mr. Rohan Thaware, Ms. Rifa Lakhtakul, Ms. Shweta Paranjape
 Ms. Swati Chimutkar, Mr. Pradip Hirapur, Ms. Pallavi Pantawane
 Ms. Manisha Sahare, Ms. Farheena Naaz, Ms. Sneha Naik
 Dr. Priyanka Shamkuwar

Registration link: <https://forms.gle/KLE6v4N7zp27vw8A8>
<https://t.me/joinchat/NLP1SSZOGm4z8M>

CERTIFICATES

NATIONAL SCIENCE DAY CELEBRATION
 PP Dr. Babasaheb Ambedkar Smarak Samiti Deekshabhoomi's
Dr. AMBEDKAR COLLEGE
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National Level SCIENCE CARNIVAL
 (Virtual Charts, Model, Poster, PPT, Documentary Contest)

BEST WORKING MODEL/DOCUMENTARY AWARD

Hemant Shoukary
 of Onkarmal Somani College, Jodhpur, Rajasthan

has participated in Documentary making Contest & won Best Working Model/Documentary Award in the National Level Science Carnival: Virtual National Science Day Celebration 2021 (NSD-DACN 2021)

Organised by Department of Botany, Biochemistry & Biotechnology and Zoology, Dr. Ambedkar College, Deekshabhoomi, Nagpur 440010, India held online at Zoom platform on February 26 & 27, 2021.

PARTICIPATION CERTIFICATE

Dr. U. J. Dongre, Co-convener, Biochemistry & Biotechnology; Dr. S. R. Somkuwar, Co-convener, HoD, Botany; Dr. R. S. Bagde, Co-convener, HoD, Zoology; Dr. K. G. Rewatkar, Co-chairperson, Vice-Principal; Dr. (Mrs.) B. A. Mehere, Chairperson, Principal

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National Level SCIENCE CARNIVAL
 (Virtual Charts, Model, Poster, PPT, Documentary Contest)

Anuja Sandu Ratil

of Smt. G.G. Khadase College, Muktal Nagur

has participated in PPT Presentation Competition in the National Level Science Carnival: Virtual National Science Day Celebration 2021 (NSD-DACN 2021)

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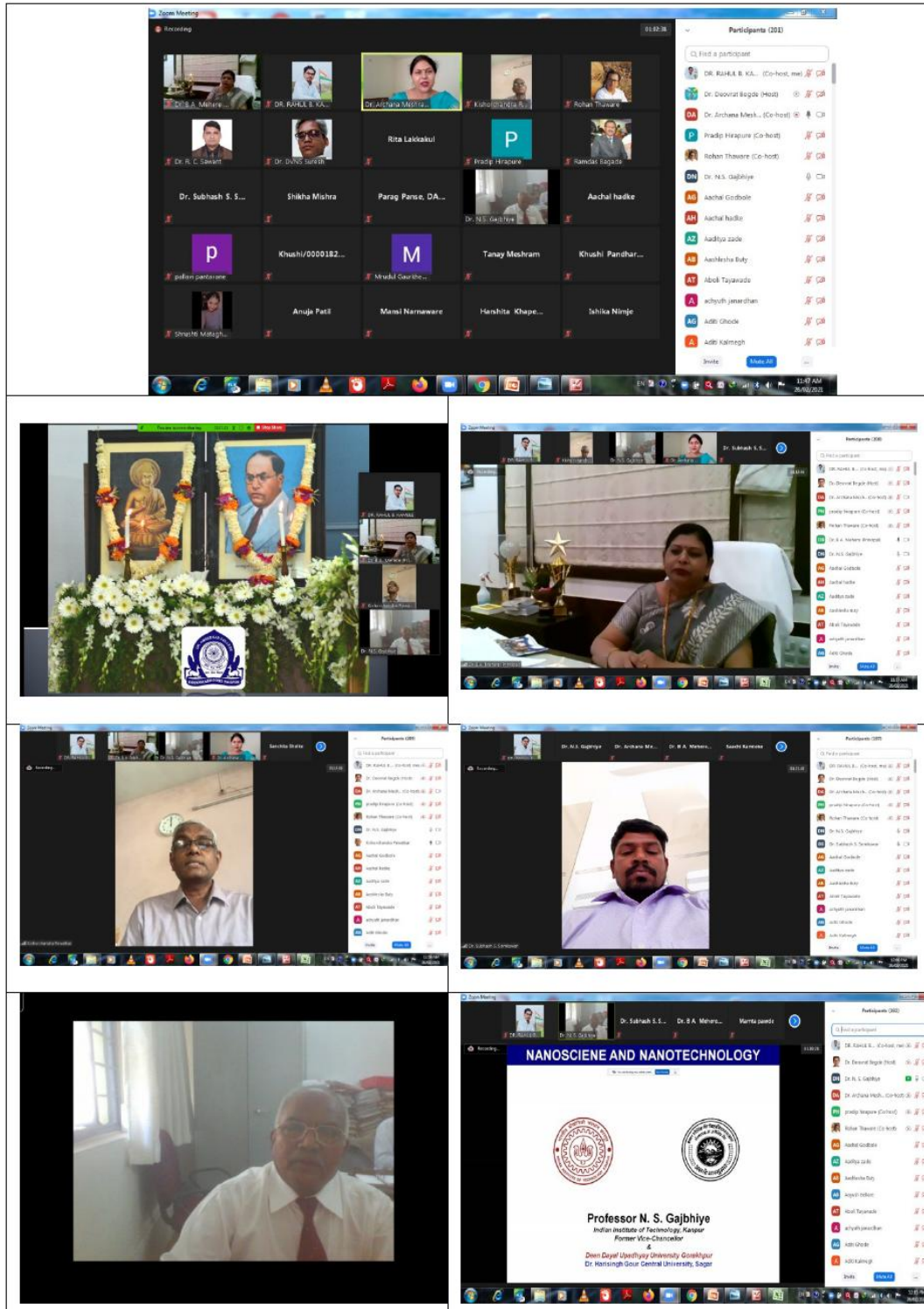


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GLIMPSES of NATIONAL SCIENCE DAY-2021



NANOSCIENCE AND NANOTECHNOLOGY



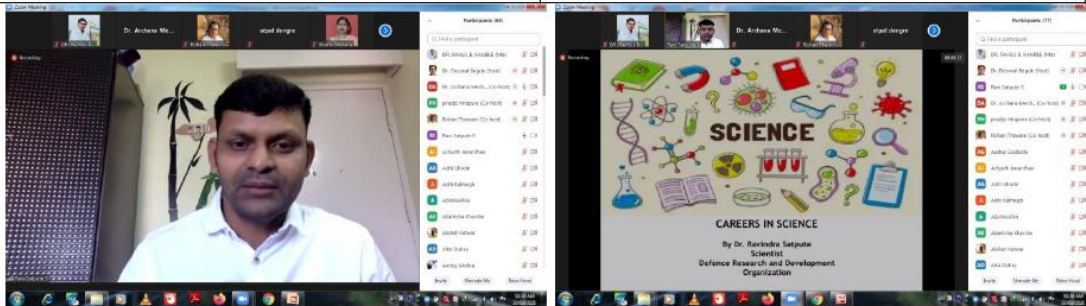
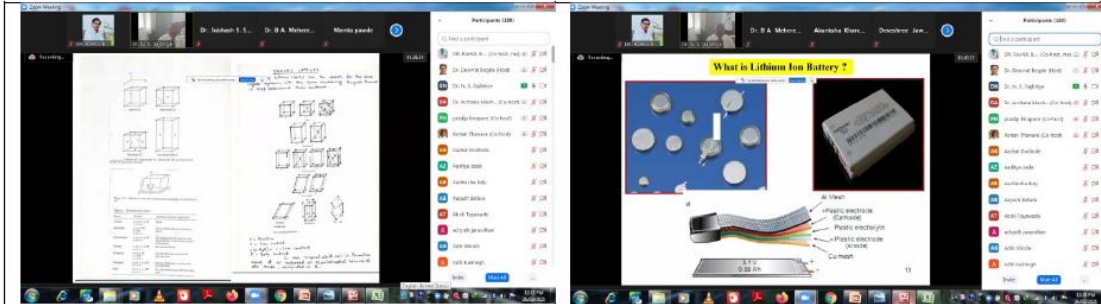
Professor N. S. Gajbhiye
India Institute of Technology, Kanpur
Former Vice-Chancellor
Deen Dayal Upadhyay University, Gwalior
Dr. Hansingh Gour Central University, Sagar



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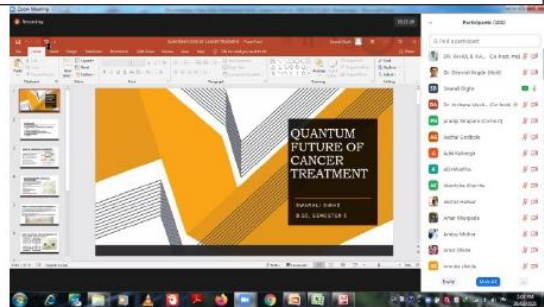
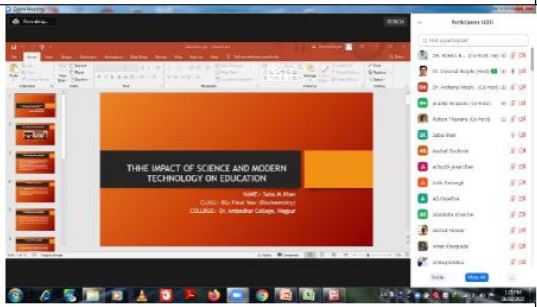
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PPT Contest

PPT Contest





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Summary: Science at the Nanoscale

- An emerging, interdisciplinary science
 - Integrates chemistry, physics, biology, materials engineering, earth sciences, and computer science
- The power to collect data and manipulate particles at such a tiny scale will lead to
 - New areas of research and technology design
 - Better understanding of matter and interactions
 - New ways to tackle important problems in healthcare, energy, the environment, and technology
 - A few practical applications now, but most are years or decades away

Unmute Start Video Share Participants More

Change in properties in Nano Regime

Quantum mechanical phenomena	Surface area	Molecular recognition
"New" behavior appears through change in: <ul style="list-style-type: none"> optical transparency hardness superconductivity 	"New" chemical processes through change in: <ul style="list-style-type: none"> reactivity and catalytic activity chemical stability solubility 	"New" biological functions through combination with: <ul style="list-style-type: none"> self-assembly regulatory allogeneity receptor

Dr. N. S. Gajbhiye's screen

Shaping the World Atom by Atom

- When the human body is disassembled, we get three ingredients as:
 - The bulk of oxygen, hydrogen and nitrogen.
 - Plating piles of carbon, calcium and salt.
 - Pockets of sulfur, phosphorus, iron, magnesium and tiny bits of forty of so other chemical elements.
- Total silent order is not much.
 - Protein, nature transforms these microscopic, abundant and inanimate ingredients into self-generating, self-propagating, self-repairing, self-aware creatures that walk, think, swim, self-act, love and even dream.
- Total order, immeasurable!
- Scientists call this as Nano-engineering or Nanotechnology.
 - This field is emerging and the burning question is the following:
 - What could we humans do if we could assemble the basic ingredients of the material world with even a grain of nature's omniscience?
 - What if we could build things, the way nature does - atom by atom and molecule by molecule?

Unmute Start Video Share Participants More

CARBON

Diamond

Carbon nanotubes

Fullerenes

C60

C70

Nanoparticles and Colloidal Crystals

• Restaurants, Shopping complex, Recre Entertainment, Swimming Pool, Gliding Club

Start Video Share Participants More

Fabrication and Synthesis of Self assembled Monodispersed Nanocrystals

Start Video Share Participants More



Dr. Ambedkar College Deekshabhoomi, Nagpur
DEPT. OF BOTANY



Date: 26-27/02/2021

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AWARDS

in the memory of
Late Shri. Sadanandji Fulzele Saheb,
Secretary, PP Dr. Babasaheb
Ambedkar Smarak Samiti
Deekshabhoomi Nagpur



AWARDS

in the memory of
Late Shri. R.S. Gavai Saheb,
President, PP Dr. Babasaheb
Ambedkar Smarak Samiti
Deekshabhoomi Nagpur



AWARDS

in the memory of
Late Shri. V.T. Chikate Saheb,
Member, PP Dr. Babasaheb Ambedkar
Smarak Samiti Deekshabhoomi Nagpur

1. Best Model Video by Hemant Chaudhary (L. M. College of Sci. & Tech (Autonomous), Jodhpur (RAJ), INDIA)
2. Best Documentary Video by Aarusha Shende (Bhartiya Vidya Mandir Trimurti Nagar -Std. VII-Student)
3. Best PPT by Sayli Chakre (Dr. Ambedkar College Deekshabhoomi Nagpur)
4. Best chart by Pragati Ghode (Sant Gadge Maharaj Mahavidyalaya Hingna Dist. Nagpur)
5. First Consolation Award to Akshat Hatwar (Dr. Ambedkar College Deekshabhoomi Nagpur)
6. Second Consolation Award to Sonali Diyewar (Dr. Ambedkar College Deekshabhoomi Nagpur)

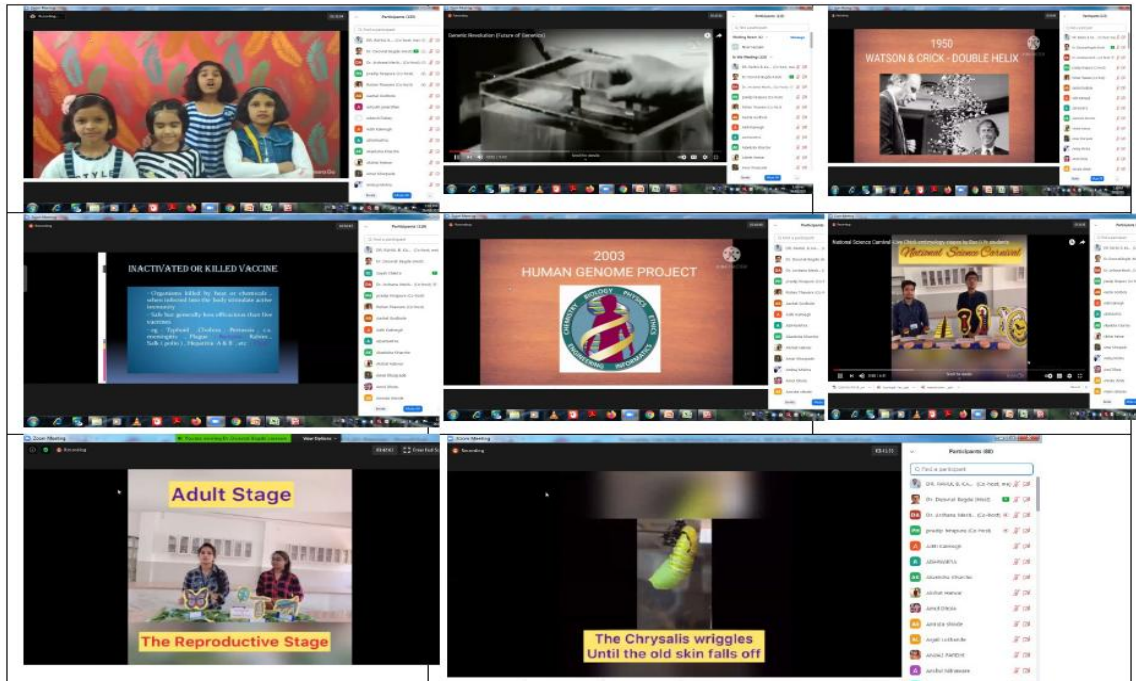


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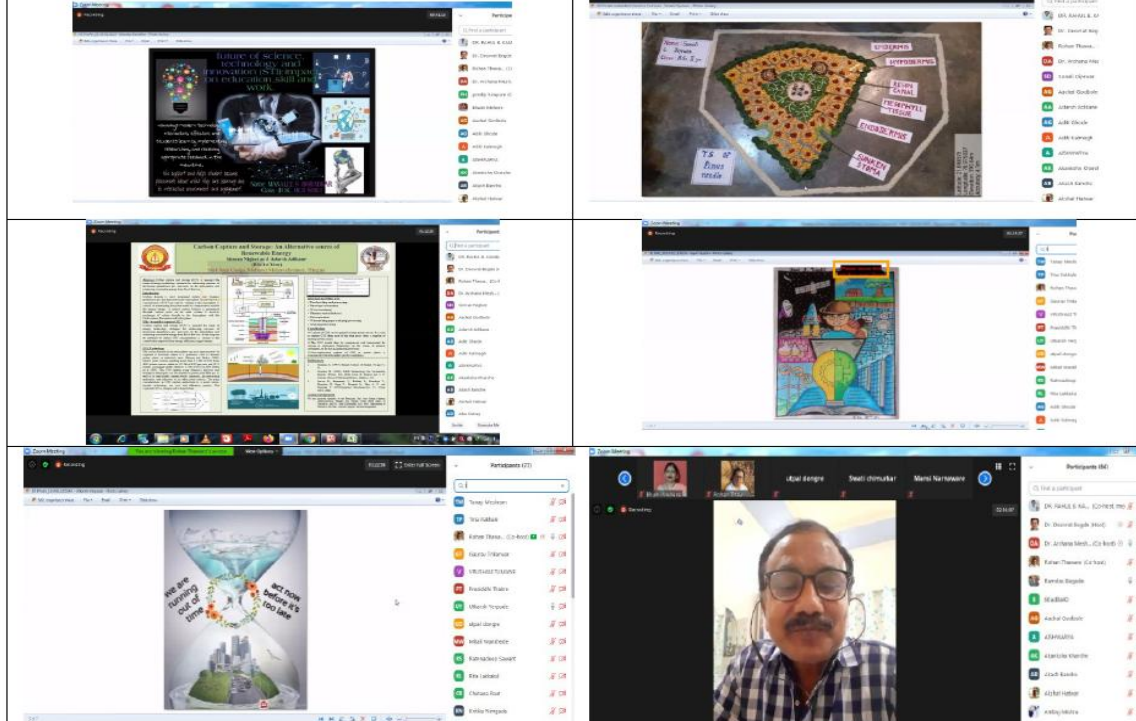
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“e-Celebration of National Science Day-2021”

Documentary Videos/Working Model Videos Contest



Poster/Charts Contest





DEPT. OF BOTANY

7/02/2021

पाणा सांडल जात. नगरपालिका
कोणत्याही प्रक्रियेविना नदीत सांडपाणी

~~2021~~
2021

**'विज्ञान, तंत्रज्ञान आणि
भविष्य...' वेबिनार आजपासून**

नागपूर : दीक्षाभूमी येथील डॉ. आंबेडकर कॉलेजच्या वनस्पतीशास्त्र विभागाच्यावतीने 'राष्ट्रीय विज्ञान दिना' निमित्त शुक्रवार २६ व शनिवार २७ फेब्रुवारी रोजी व विज्ञान कार्निव्हल अंतर्गत 'व्हर्च्युअल नॅशनल सायन्स डे सेलिब्रेशन'चे आयोजन करण्यात आले आहे. 'विज्ञान, तंत्रज्ञान आणि नाविन्याचे भविष्य (एसटीआय): शिक्षण, कौशल्य आणि कार्यावर परिणाम' थीमवरील या कार्निव्हल अंतर्गत झूम प्लॅटफॉर्मवर विशेष वेबिनारचे आयोजन केले आहे. वेबिनारमध्ये शुक्रवारी सकाळी ११ वाजता आयआयटी कानपूरमधील सेवानिवृत्त प्राध्यापक डॉ. एन. एस. गजभिये, तर शनिवारी डीआरडीओमधील वैज्ञानिक डॉ. रवींद्र सातपुते संबोधित करतील. कार्निव्हल अंतर्गत डॉक्युमेंटरी मेकिंग स्पर्धा, विज्ञान आणि तंत्रज्ञान विषयावर आभासी चार्ट, पोस्टर, मॉडेल स्पर्धा आणि पॉवर पॉइंट प्रेझेंटेशन आदी स्पर्धात्मक उपक्रमांचे आयोजन करण्यात आले आहे.