

Department of Biotechnology
आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: "Management of COVID-19" and post effects" by Dr Suresh K Goyal

Name of the organizer: National Agri-Food Biotechnology Institute (NABI)

Date and Time: 18 June 2021 11:00 am to 12:00 pm

URL/Registration link (in case of virtual event): Please join the webinar from your computer, tablet, or smartphone.

<https://www.gotomeet.me/nabimohali81/sciencesetu>

Access Code: 594-320-197

New to GoToMeeting? Get the app now and be ready when your first meeting starts: <https://global.gotomeeting.com/install/594320197>

Venue (in case of physical event): Virtual platform

Brief background/purpose of the event:

The National Agri-Food Biotechnology Institute, an autonomous institute, is organizing Open day program to connect the Indian research Institute with the colleges and general audience on Friday, 18th June 2021 from 11:00 am to 12:00 pm.

Students from the various colleges and teachers of all over India, research institute, and other science admirers will have a chance to learn about the scientific achievements of India in past 75 years, and perspectives of future scientific development. The open day will feature scientific lecture and poster presentation by young researcher of NABI. The overall purpose of the event is to showcase the potential of science to the young students, so they can contribute to the field in the future.

Expected Participants/List of Participants:

1. S. Govt. College of Science Education & Research, Jagraon
2. Doaba College, Jalandhar
3. B.B.K DAV College of Women, Amritsar
4. Kanya Maha Vidyalaya, Jalandhar
5. Maulana Azad College, Kolkata
6. Lady Brabourne College, Kolkata
7. Jhargram Raj College, Jhargram
8. Ramkrishna Mission Vidyamandira, Howrah
9. Ramakrishna Mission Vivekananda Centenary College, Kolkata
10. Surendranath College, Kolkata
11. Bethune College, Kolkata
12. Mugberia Gangadhar Mahavidyalaya, Medinipur
13. Krishna Chandra College, Birbhum
14. Center of Innovative and Applied Bioprocessing
15. National Agri-Food Biotechnology Institute

16. Other DBT autonomous Institute

How is the event linked to Azadi ka Amrit Mahotsav:

Azadi ka Amrit Mahotsav is an initiative of the Government of India to celebrate and commemorate 75 years of progressive India and the glorious history of its People, culture and achievements. A science open day can be a path breaking idea to indulge young minds towards science. No country has achieved self-reliance without mass quality and public education. The open day will connect the young minds with ongoing science in India and show them how they can do wonders in Science. New discoveries by these young minds will make the country self-reliant which is the overall motto of Azadi ka Amrit Mahotsav.

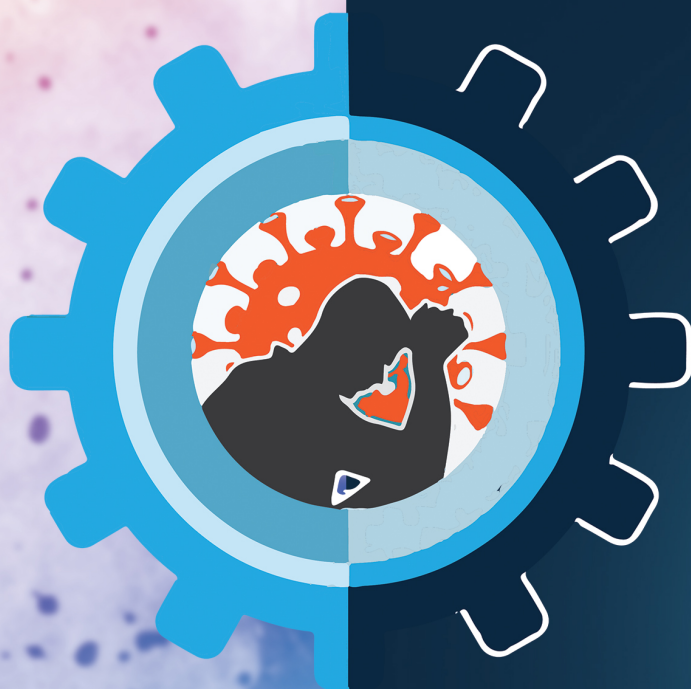
Potential/Expected Impact:

Open days are social encounters among the students and faculty of eminent institutions. Most of the students are attracted towards the institutions where faculty is highly qualified, possess great knowledge, and are enthusiastic and passionate about their work. Many students are not able to take proper decisions due to a lack of exposure to advanced scientific discoveries and instrumentation. Being able to interact with the faculties of higher institutions enables the students in the decision making process about their future. Here at NABI we have highly qualified and experienced staff that might impact students' perspective towards opting for their career in science. Moreover, they could also learn the importance of small observations in making great discoveries.

The event highlights the latest developments in scientific fields and how few observations are important. Such open days can help the students and teachers to develop scientifically temperament and this way they would be encouraged for scientific thinking and a better understanding of scientific concepts



Department of
Biotechnology



*We cordially invite you to
attend the
“Public Lecture”*

on

“Management of Covid-19 and Post effects”

Friday, 18th JUNE 2021

Virtual platform
11 am to 12 pm



by **Dr. Suresh K Goyal, MD**

Senior Consultant- Pulmonology, IVY Hospital
Fellow- American College of Chest Physicians

A Science Setu Program by



NATIONAL AGRI-FOOD BIOTECHNOLOGY INSTITUTE (NABI)

Sector 81 (Knowledge City), Mohali, Punjab 140306

Nodal person:

Dr. Nitin Singhal

E-mail: nitin@nabi.res.in

Program coordinator:

Prof. Ashwani Pareek

Executive Director, NABI-Mohali

E-mail: edoffice@nabi.res.in

Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: Workshop on Scanning Electron Microscopy: Technique and its Application

Name of the organizer: North East Centre for Biological Sciences and Healthcare Engineering (NECBH), Indian Institute of Technology Guwahati, Assam, India

Date and Time: 15th -16th June, 2021

URL/Registration link (in case of virtual event): <https://forms.gle/YnqwjToxKiJQAems7>

Venue (in case of physical event):

Brief background/purpose of the event:

North East Centre for Biological Sciences and Healthcare Engineering (NECBH), funded by Department of Biotechnology, Govt. of India is established in IIT Guwahati for promoting research in biological sciences and healthcare engineering across North-East India. The centre is set up with various Infrastructure facilities with sophisticated analytical equipment in the field of biological sciences and healthcare engineering. NECBH conducts trainings/workshops programs with an aim to elevate research activities across NE India for availing the established facilities in the centre for scientific works.

NECBH is organizing Scientific Workshop Series sponsored by NER-DBT as a part of 'Azadi Ka Amrit Mahotasav' series of event to commemorate the monumental occasion 75th anniversary of Indian independence. The workshop "Scanning Electron Microscopy: Technique and its Application" is the first workshop under these series. The main objective of the workshop is to help the participants to understand the principle and application of Scanning Electron Microscope in various field of research. The session would cover demonstrating the technique and its application and also the operation of the Instrument which would enable the participants the understand the depth of the technique and its applications.

Expected Participants/List of Participants:

We are expecting Students, Research Scholars, Post-Doctoral fellows, Faculties from various educational Institutes, Govt. organization, Universities, etc from Northeast and parts of India.

How is the event linked to Azadi ka Amrit Mahotsav:

Science and technology play crucial role for the development. Science and technology contribute significantly in these 75 years to growth of the nation. NECBH is utilizing the 'Azadi Ka Amrit Mahotasav' to disseminate the scientific knowledge by conducting series of scientific workshops. This will not only align the participants to gather knowledge on the techniques but meanwhile would focus on appreciating the connectivity of researchers

across India and sharing their idea of resilience in various field of research using the application. “Azadi ka Amrit Mahotsav” being an embodiment of the progressive India, this scientific event which would be useful for the participant to learn the technique and gain knowledge to build prosperous India.

Potential/Expected Impact:

The participant will gain knowledge on the Scanning Electron Microscopy: Technique and its Application. It will useful to boost the research. It will also create awareness among the scientific community on the research infrastructure available at NECBH. It will enhance the utility.



DEPARTMENT OF BIOTECHNOLOGY
Government of India

सत्यमेव जयते

सशक्त भारत
विज्ञान से विकास-प्रौद्योगिकी से प्रगति

Workshop on Scanning Electron Microscopy: Technique and its Applications

Details of the programme:

- This programme is first workshop of the scientific workshop series being organized as a part of Azadi Ka Amrit Mahotsav by the organizer.
- The main objective of the workshop is to help the participants to understand the technique and various application of Scanning Electron Microscope in various field of research.
- This scientific workshop will have talks and online demonstration of the functioning of the instrument.

Date and Time: 15th -16th June, 2021

To Join: <https://forms.gle/YnqwjToxKiJQAems7>

Organizer: North East Centre for Biological Sciences and Healthcare Engineering (NECBH)
Indian Institute of Technology Guwahati, Assam, India

Organized By

Azadi Ka Amrit Mahotsav

Online Workshop on
Scanning Electron Microscopy: Technique and its Application
An opportunity to gain knowledge on the high resolution imaging
15th - 16th June, 2021

North East Centre for Biological Sciences and Healthcare Engineering
Indian Institute of Technology Guwahati, Assam, India

- North East Centre for Biological Sciences and Healthcare Engineering (NECBH) is established in IIT Guwahati for promoting research in biological sciences and healthcare engineering across North-East India.
- NECBH conducts trainings/workshops under the outreach program with an aim to elevate research activities across NE India.
- For more details about NECBH visit: <http://www.iitg.ac.in/necbh/>
- This workshop is a part of Azadi Ka Amrit Mahotsav series of event organized to commemorate the monumental occasion 75th anniversary of Indian independence.

TOPICS

- ✓ Introduction to Scanning Electron Microscope
- ✓ Electron optics – Advantages
- ✓ Detection technology on – In column SE and BSE detectors
- ✓ Sweet Spots in ultra low kV Imaging – Steel, Mesoporous silica materials
- ✓ Flexible platform for your Beam Sensitive samples
- ✓ Detection Technology
- ✓ Unique Contrast based Applications
- ✓ Contextual Imaging with Large field of view modes – High store resolution 9
- ✓ Future Integration- Software and Hardware

Theory-Practical : 50-50

- 50% of the session will be on demonstrating the technique for various applications
- 50% of the session will be on demonstrating the operation of the instrument

ELIGIBILITY
Interested students, faculties, scientists, researchers, post-doctoral fellows

Workshop Coordinator
Prof. G. Krishnamoorthy
Dean Industrial Interactions and Special Initiatives, IIT Guwahati & Coordinator, NECBH, IIT Guwahati

FESEM Facility at NECBH, IIT Guwahati

In Association With

Sponsored By

Department of Biotechnology

Registration Details
Interested persons can register using following
Registration link: <https://forms.gle/YnqwjToxKiJQAems7>
Last date for registration 12th June 2021, 5:00 pm.
Registration fee: Nil

Scientific workshop series
75th Anniversary
of Indian
Independence

Helpdesk
Email: necbhseem@gmail.com
NECBH Office: 0361-2583993



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#AzadiKaAmritMahotsav

#IndiaAt75



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विज्ञान से विकास-प्रौद्योगिकी से प्रगति

स्कैनिंग इलेक्ट्रॉन माइक्रोस्कोपी पर कार्यशाला: प्रविधि एवं अनुप्रयोग

कार्यक्रम का विवरण

- यह कार्यक्रम आजादी का अमृत महोत्सव के अंतर्गत आयोजित वैज्ञानिक कार्यशाला श्रृंखला की पहली कड़ी है।
- इस कार्यशाला का मुख्य उद्देश्य प्रतिभागियों को अनुसंधान के विभिन्न क्षेत्रों में स्कैनिंग इलेक्ट्रॉन माइक्रोस्कोप की प्रविधि एवं अनुप्रयोगों को समझने में सहायता करना है।
- इस वैज्ञानिक कार्यशाला में उपरोक्त उपकरण की कार्यप्रणाली पर संवाद तथा उसका ऑनलाइन प्रदर्शन होगा।

तिथि एवं समय : 15 -16 जून, 2021

जुड़ने हेतु : <https://forms.gle/YnqwjToxKiJQAems7>

आयोजक: उत्तर पूर्व जैविक विज्ञानों एवं स्वास्थ्य सेवा अभियांत्रिकी केंद्र
भारतीय प्रौद्योगिकी संस्थान गुवाहाटी, असम, भारत

Organized By
Asadi Ka Amrit Mahotsav
Online Workshop on
Scanning Electron Microscopy: Technique and Its Application
An opportunity to gain knowledge on the high resolution imaging
15th - 16th June, 2021
North East Centre for Biological Sciences and Healthcare Engineering
Indian Institute of Technology Guwahati, Assam, India

- North East Centre Biological Sciences and Healthcare Engineering (NECBH) is established in IIT Guwahati for promoting research in biological sciences and healthcare engineering across North-East India.
- NECBH conducts trainings/workshops under the outreach program with an aim to elevate research activities across NE India.
- For more details about NECBH visit: <http://www.iitg.ac.in/necbh/>
- This workshop is a part of Azadi Ka Amrit Mahotsav series of event organized to commemorate the monumental occasion 75th anniversary of Indian independence.

TOPICS

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Theory-Practical : 90-90

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ELIGIBILITY
Interested students, faculties, scientists, researchers, post-doctoral fellows

Workshop Coordinator
Prof. G. Krishnamoorthy
Dean Industrial Interactions and Special Initiatives, IIT Guwahati & Coordinator, NECBH, IIT Guwahati

FESEM Facility at NECBH, IIT Guwahati

In Association With
ZEISS

Sponsored By
Department of Biotechnology

Registration Details
Interested persons can register using following
Registration link: <https://forms.gle/YnqwjToxKiJQAems7>
Last date for registration 12th June 2021, 5:00 pm.
Registration fee: Nil

Scientific workshop series
75th Anniversary
of Indian
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Helpdesk
Email: necbhfeem@gmail.com
NECBH Office: 0361-2530993



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#AzadiKaAmritMahotsav

#IndiaAt75

Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: Lab2 Market Campaign

Name of the organizer: BIRAC

Date and Time: Weekly basis

URL/Registration link (in case of virtual event):

Venue (in case of physical event): Social Media-BIRAC Twitter and Facebook Handle

Brief background/purpose of the event:

Several customized and uniquely positioned initiatives of BIRAC have helped recognize a growing number of the Biotech Entrepreneurship Start-ups & over 165 commercially deployed products. The idea is to initiate a campaign to promote and inspire conversation around the BIRAC supported innovations on the social media platform.

ATOM
Keeping your close ones close

A medical device that allows capture of a medical grade 12 lead ECG over a smartphone with immediate remote expert consultation.

BIRAC supported Innovations and Startups

Lab2 Market

Disclaimer: The product/service that are acknowledged here with BIRAC's logo shall not incurr any product or Service-related liability in any manner.

[Image - https://birac.nic.in/product-detail.php?product=77](https://birac.nic.in/product-detail.php?product=77)

birac.nic.in | [@birac_2012](https://twitter.com/birac_2012)

birac
BIOINNOVATION RESEARCH AND COMMERCIALIZATION

ATOM empowers doctors, health workers and nurses with a remotely recorded ECG, sent to a cardiologist for his expertise before administering the drugs and also continue a follow-up during the course of the treatment.

#IndiaAt75#AzadiKaAmritMahotsav #IndiaAt75

@DBTIndia @Drrenuswarup @bhallanjanu

How is the event linked to Azadi ka Amrit Mahotsav?

The event has an overarching tagline **विज्ञान से विकास-प्रौद्योगिकी से प्रगति** under the theme *सशक्त भारत*. All these supported innovations are Make in India innovations that aim to strengthen the Atma Nirbhar Bharat initiative.

Potential/Expected Impact:

Outreach of BIRAC supported innovations to the social media audience to make people aware about the innovations that can be helpful to their day to day lives. BIRAC's efforts have resulted in significant changes in the landscape of the Indian biotechnology sector.

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Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: Biology behind Infectious Diseases

Name of the organizer: DBT-ILS

Date and Time: 21st June, 11 AM

URL/Registration link (in case of virtual event):
<https://global.gotomeeting.com/join/566447453>

Venue (in case of physical event): DBT-ILS, Bhubaneswar

Brief background/purpose of the event:

The purpose of the event, which is the fourth event in the series of “Science Setu” is based on the fundamentals of infectious diseases. The event will have three distinguished speakers who will be talking to the students on the biology behind diseases which are infectious in nature. Dr N. Acharya, DBT-ILS, will talk to the students regarding virus, bacteria and fungi as the sources of infections, the second speaker Dr T.K Beuria will shed light on an interesting aspect regarding the mysterious ring in bacteria. The third speaker is Dr G.H Syed who will speak on the importance and necessity of COVID 19 vaccines.

Expected Participants/List of Participants:

SAC, Cuttack, JBASC, Chennai, WCC, Chennai, VCW, Erode, SGVGCW, Udumalpet, KSRCT, Tircichengode, MCAS, Namakkal, NGPASC, Coimbatore, HCAS, Coimbatore, GNC, Chennai, CTBCACS, Pune, GNCASC, Mumbai, PSGCAS, Coimbatore.

How is the event linked to Azadi ka Amrit Mahotsav:

The event is indicative of creating awareness in the field of infectious diseases through highlighting the research and development in the field, thus contributing to “विज्ञान से विकास-प्रौद्योगिकी से प्रगति”

Potential/Expected Impact:

The audience who are mostly graduate students will be aware of the most advanced developments in the field. They can benefit from a free interactive session with eminent scientists who are experts in their respective research domains of infectious diseases.

Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: Genomics enabling deep understanding of Cancer

Name of the organizer: National Institute of Biomedical Genomics

Date and Time: 22nd June, 11.30 am onwards

URL/Registration link (in case of virtual event): www.nibmg.ac.in/live

Venue (in case of physical event): NA

Brief background/purpose of the event:

This event is organized as a part of the Science Setu program for the DBT STAR Colleges. This was an online event. Our speaker for the event will be Dr. Arindam Maitra, Associate Professor, NIBMG. The attendees joined the event through NIBMG's YouTube channel. The attendees can ask questions through the chat box. All the questions will be addressed at the end of the talk.

Expected Participants/List of Participants: All the Faculty and staff of DBT STAR colleges assigned to NIBMG will be invited for the event.

How is the event linked to Azadi ka Amrit Mahotsav:

The talk will cover advances, both nationally and internationally, in the field of Genomics of cancer. The ongoing research in at NIBMG in Dr. Maitra's lab will also be discussed.

Potential/Expected Impact:

This seminar helped the participants understand about challenges pertaining to cancer and how technological advancements in genomics have overcome these challenges in identifying the genetic basis and genetic heterogeneity in cancer.

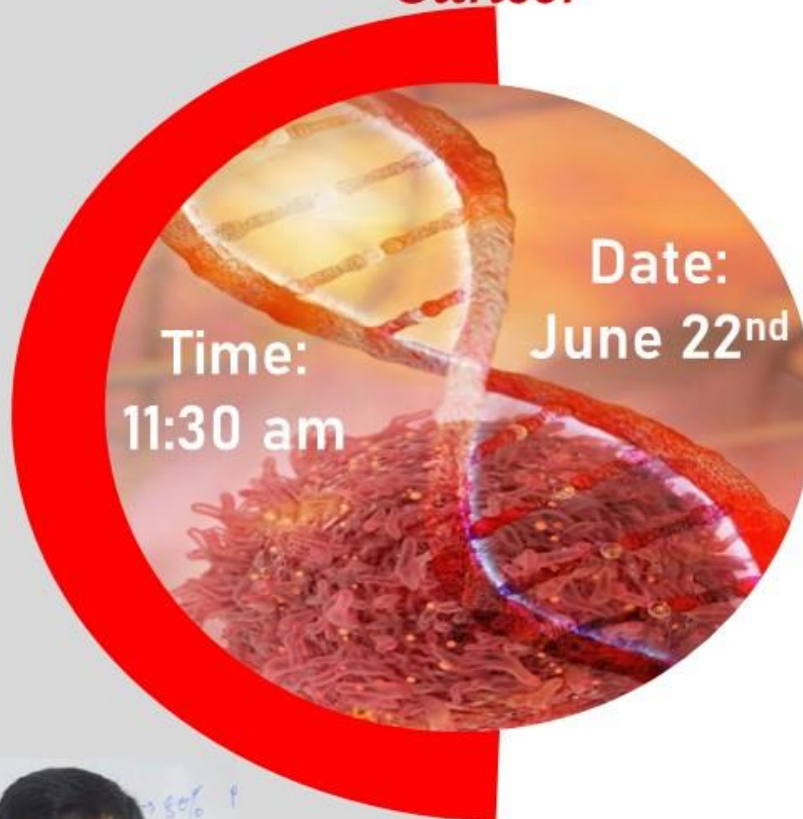


Science Setu



आज़ादी का अमृत महोत्सव
सशक्त भारत
विज्ञान से विकास-प्रौद्योगिकी से प्रगति

Genomics enabling deep understanding of Cancer



Speaker:
Dr. Arindam Maitra
Associate Professor, NIBMG

Please join using the following link
<https://www.nibmg.ac.in/live>

Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: “Establishment of entrepreneurship and marketing of piglets and pork products”

Name of the organizer: Dr.R.Laha, Principal Scientist and Hub Facilitator, ICAR Research Complex for NEH Region, Umiam, Meghalaya (Main Hub). Mob.9612918346

Date and Time: 24.6.2021 to 25.6.2021. 10.00 a.m. to 5.00 p.m.

URL/Registration link (in case of virtual event):

<https://us02web.zoom.us/j/84246289491?pwd=U0NtSU5vdS81aTMyK0VvZDRKQVFndz09>

Venue (in case of physical event): Virtual / Videoconference/Online mode

Brief background/purpose of the event:

Background

The people of North Eastern Region of India are mostly non-vegetarian and they prefer pork. But there is a gap between demand and supply of pork/pigs/piglets/value added pork products etc. in this region where supply is always less than demand. Keeping in view of that and for improvement of livelihood of hilly and remote pig farmers of north eastern region, Department of Biotechnology (DBT), Ministry of Science and Technology, Govt. of India has sanctioned a Biotech-KISAN (Krishi Innovation Science Application Network) Programme entitled “Establishment of Biotech-KISAN Hub at ICAR Research Complex for NEH Region, Umiam, Meghalaya” with the objectives of increase the population of piglets/pigs, hygienic pig productions, preparation of value added pork products, entrepreneurship development etc. for the aspirational District Ri Bhoi of the state Meghalaya (ICAR Research Complex for NEH Region, Umiam, Meghalaya as Main Hub with ICAR-NRC on Pig, Rani, Guwahati and ICAR-KVK, Ri-Bhoi, Umiam, Meghalaya as two Partner Institutes) and its expansion to another seven aspirational Districts of seven north eastern states (Mamit-Mizoram, Hailakandi -Assam, Namsai, Arunachal Pradesh, Kiphire-Nagaland, West Sikkim-Sikkim, Dhalai-Tripura and Chandel-Manipur). The Main Hub of the Biotech-KISAN Programme i.e. ICAR Research Complex for NEH Region, Umiam, Meghalaya with its two Partner Institutes - ICAR-NRC on Pig, Rani, Guwahati and ICAR-KVK, Ri-Bhoi, Umiam, Meghalaya started the project almost two years back and came up with piglets/fattened pigs and value added pork products. The expansion of the project to another seven aspirational Districts of seven north eastern states started almost one year back and started to distribute piglets and other works related to the project.

The purpose of the event are:

- To aware the beneficiaries/farmers under these Biotech-KISAN Projects, how to establish entrepreneur ships on piglet productions/fattened pigs/piglets/Artificial Insemination and value added pork products and their marketing.
- To share the experience of Hub Facilitator/P.I.s/Co-PIs of the project among farmers regarding the theme of the event and present status of works.
- To aware the beneficiaries how to develop value added pork products among themselves under Biotech-KISAN Project.

Besides Hub Facilitator/P.I.s/Co-PIs of the Biotech-KISAN Project will also enrich their knowledge from the talk of external speakers.

Expected Participants/List of Participants: 350 numbers

How is the event linked to Azadi ka Amrit Mahotsav:

The theme of the event “Establishment of entrepreneurship and marketing of piglets and pork products” is directly related to improvement of livelihood of hilly and remote pig farmers/beneficiaries. Through this event, pig farmers/beneficiaries will be aware/ improve their knowledge regarding production of their own products related to piggery and establishment of entrepreneurship and marketing of their own products. On the occasion of celebration of *Azadi Ka Amrit Mahotsav India @ 75*, pig farmers of north eastern region under Biotech-KISAN Programme, may be going towards self dependence by increasing their income by applying the knowledge gained through this event (may go towards Doubling Farmers Income) and may be a part of Atma Nirvor Bharat.

Potential/Expected Impact:

- Knowledge gain by pig farmers / beneficiaries under Biotech-KISAN Programme regarding development of entrepreneur ships on piglet productions/ value added pork products etc. and their marketing.
- Livelihood improvements of pig farmers / beneficiaries under Biotech-KISAN Programme.
- Preparation of value added pork products by beneficiaries under Biotech-KISAN Programme.



DEPARTMENT OF BIOTECHNOLOGY
Government of India

सशक्त भारत
विज्ञान से विकास-प्रौद्योगिकी से प्रगति

Training on Establishment of entrepreneurship and marketing of piglets and pork products

This programme is being organized as a part
of Azadi ka Amrit Mahotsav.

Date : 24th & 25th June, 2021

Time: 10.00 a.m. – 5.00 p.m.

To Join:

<https://us02web.zoom.us/j/84246289491?pwd=U0NtSU5vdS81aTMvK0VvZDRKQVFndz09>

Organizer: Dr. R.Laha, Principal Scientist and Hub Facilitator,
ICAR Research Complex for NEH Region, Umiam, Meghalaya



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#AzadiKaAmritMahotsav

#IndiaAt75



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Government of India

सशक्त भारत
विज्ञान से विकास-प्रौद्योगिकी से प्रगति

पिगलेट एवं पोर्क उत्पादों के विपणन और उद्यमिता की स्थापना पर प्रशिक्षण

यह कार्यक्रम आजादी का अमृत महोत्सव के तहत
आयोजित किया जा रहा है।

दिनांक : 24 एवं 25 जून, 2021

समय : पूर्वाह्न 10.00 बजे से अपराह्न 5.00 बजे

शामिल होने हेतु :

[https://us02web.zoom.us/j/84246289491?](https://us02web.zoom.us/j/84246289491?pwd=U0NtSU5vdS81aTMvYk0VvZDRKQVFndz09)
[pwd=U0NtSU5vdS81aTMvYk0VvZDRKQVFndz09](https://us02web.zoom.us/j/84246289491?pwd=U0NtSU5vdS81aTMvYk0VvZDRKQVFndz09)

आयोजक: डॉ. आर. लाहा, प्रधान वैज्ञानिक एवं हब फैसिलिटेटर,
भाकृअनुप उत्तर पूर्वी पर्वतीय क्षेत्र अनुसंधान परिसर, उमियम, मेघालय



Department of Biotechnology
आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: " Role of Intestinal Microbiota and Probiotics in Health and Disease" by Neerja Hajela (Assistant Vice President, Science and Regulatory Affairs, Yakult Danone India Pvt. Ltd

Name of the organizer: National Agri-Food Biotechnology Institute (NABI)

Date and Time: 25 June 2021 11:00 am to 12:00 pm

URL/Registration link (in case of virtual event): Please join webinar from your computer, tablet or smartphone.

<https://www.gotomeet.me/nabimohali81/sciencesetu>

New to GoToMeeting? Get the app now and be ready when your first meeting starts: <https://global.gotomeeting.com/install/594320197>

Venue (in case of physical event): Virtual platform

Brief background/purpose of the event:

The National Agri-Food Biotechnology Institute, an autonomous institute, is organizing Open day program to connect the Indian research Institute with the colleges and general audience on **Friday, 25th June 2021 from 11:00 am to 12:00 pm**.

Students from the various colleges and teachers of all over India, research institute, and other science admirers will have a chance to learn about the scientific achievements of India in past 75 years, and perspectives of future scientific development. The open day will feature scientific lecture and poster presentation by young researcher of NABI. The overall purpose of the event is to showcase the potential of science to the young students, so they can contribute to the field in the future.

Expected Participants/List of Participants:

1. S. Govt. College of Science Education & Research, Jagraon
2. Doaba College, Jalandhar
3. B.B.K DAV College of Women, Amritsar
4. Kanya Maha Vidyalaya, Jalandhar
5. Maulana Azad College, Kolkata
6. Lady Brabourne College, Kolkata
7. Jhargram Raj College, Jhargram
8. Ramkrishna Mission Vidyamandira, Howrah
9. Ramakrishna Mission Vivekananda Centenary College, Kolkata
10. Surendranath College, Kolkata
11. Bethune College, Kolkata
12. Mugberia Gangadhar Mahavidyalaya, Medinipur
13. Krishna Chandra College, Birbhum
14. Center of Innovative and Applied Bioprocessing
15. National Agri-Food Biotechnology Institute
16. Other DBT autonomous Institute

How is the event linked to Azadi ka Amrit Mahotsav:

Azadi ka Amrit Mahotsav is an initiative of the Government of India to celebrate and commemorate 75 years of progressive India and the glorious history of its People, culture and achievements. A science open day can be a path breaking idea to indulge young minds towards science. No country has achieved self-reliance without mass quality and public education. The open day will connect the young minds with ongoing science in India and show them how they can do wonders in Science. New discoveries by these young minds will make the country self-reliant which is the overall motto of Azadi ka Amrit Mahotsav.

Potential/Expected Impact:

Open days are social encounters among the students and faculty of eminent institutions. Most of the students are attracted towards the institutions where faculty is highly qualified, possess great knowledge, and are enthusiastic and passionate about their work. Many students are not able to take proper decisions due to a lack of exposure to advanced scientific discoveries and instrumentation. Being able to interact with the faculties of higher institutions enables the students in the decision making process about their future. Here at NABI we have highly qualified and experienced staff that might impact students' perspective towards opting for their career in science. Moreover, they could also learn the importance of small observations in making great discoveries.

The event highlights the latest developments in scientific fields and how few observations are important. Such open days can help the students and teachers to develop scientifically temperament and this way they would be encouraged for scientific thinking and a better understanding of scientific concepts

*We cordially invite you to
attend the*



Department of
Biotechnology

PUBLIC LECTURE

on

**“Role of Intestinal Microbiota and
Probiotics in Health and Disease”**

by –

Dr. Neerja Hajela

Assistant Vice President,
Science and Regulatory Affairs,
Yakult Danone India Pvt., Ltd.



A Science Setu Program by



NATIONAL AGRI-FOOD BIOTECHNOLOGY INSTITUTE (NABI)

Sector 81 (Knowledge City), Mohali, Punjab 140306



LACTOBACILLUS

Program coordinator:

Prof. Ashwani Pareek

Executive Director, NABI-Mohali

E-mail: edoffice@nabi.res.in

Nodal person:

Dr. Nitin Singhal

E-mail: nitin@nabi.res.in

JUNE **25**
2021

Virtual platform
11 am to 12 pm

Department of Biotechnology

आजादी का अमृतमहोत्सव || 75th Anniversary of Indian Independence

Title of the event: Production of Vegetable Planting Material through Protection Technology.

Name of the organizer: ISHARA, DEORIA

Date and Time: 25th June 2021, 10.00AM to 3.00 PM

URL/Registration link (in case of virtual event): NA

Venue (in case of physical event):

Biotech Kisan Hub, Centre-Malludeeh, Block- Kasia, Distt: Kushinagar (U.P.)

Brief background/purpose of the event:

The Purpose of this event is to motivate vegetable farmers to grow healthy vegetable plant material through protection technology. Because mostly vegetable farmers grow vegetable nurseries in open field resulting nurseries destroyed due to rain & diseases occurred in their nurseries. Germination of nurseries through protection technology is high & plant is healthy thus production of vegetables is high in the field as compared to open nurseries raised planting material.

Expected Participants/List of Participants:

About 150-200 farmers from adopted villages of Block Kasia, District Kushinagar (Mostly vegetables growers) under Biotech Kisan Hub will be benefited from this programme.

How is the event linked to Azadi ka Amrit Mahotsav:

As Govt. Moto is to increased/Doubling the income of farmers thus doing vegetables crops farmers can get maximum return as compared to cereals crops. Inspite of vegetables growing they can also sale their vegetable planting material to others & earn extra income because production of vegetable planting material through protection technology is good & healthy.

Potential/Expected Impact:

Through this programme farmers can easily motivated to adopt protection technology as this result to high productivity of vegetables in their field because of good quality vegetable planting material. Scientist movement in their field may motivate to adopt this technology.



COMMEMORATING 75 YEARS OF INDEPENDENCE

AZADI KA AMRIT MAHOTSAV

**“Production of Vegetable Planting Material
through Protection Technology and
Distribution of Vegetable’s Mini kit**

Date: 25-06-2021

**Venue: Biotech kisan sub-hub,
Malludih, Kushinagar**

Organizer: ISHARA DEORIA

Sponsor: Department of Biotechnology Government of India

Technical support : KVK, Sargatia (Kushinagar)



DEPARTMENT OF BIOTECHNOLOGY
Government of India

सशक्त भारत
विज्ञान से विकास-प्रौद्योगिकी से प्रगति

"संरक्षण प्रौद्योगिकी के माध्यम से सब्जी रोपण सामग्री का उत्पादन और
सब्जी की मिनी किट का वितरण"

कार्यक्रम का विवरण :

यह कार्यक्रम आजादी का अमृत महोत्सव के तहत
आयोजित किया जा रहा है।

दिन और समय: 25 जून 2021, सुबह 10.00
बजे से शाम 3.00 बजे तक

स्थान: बायोटेक किसान सब हब सेंटर,
मल्लूडीह, ब्लाक-कसया जिला: कुशीनगर

ISHARA

COMMEMORATING 75 YEARS OF INDEPENDENCE

AZADI KA AMRIT MAHOTSAV

"Production of Vegetable Planting Material
through Protection Technology and
Distribution of Vegetable's Mini kit"

Date: 25-06-2021 **Venue: Biotech kisan sub-hub,
Malludih, Kushinagar**

Organizer: ISHARA DEORIA

Sponsor: Department of Biotechnology Government of India

Technical support : KVK, Sargatia (Kushinagar)



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#AzadiKaAmritMahotsav

#IndiaAt75

75 Years of India's Independence Celebration

Startup Mahotsav

Azadi Ka Amrit Mahotsav

25 June - 24 July 2021



विज्ञान से विकास-प्रौद्योगिकी से प्रगति

Techpreneur



Meet & interact with industrial experts and innovators; a series

Hackathon



An International hackathon, in collaboration with SRH University, Berlin

KSCSTE - RIM 2021



Project expo to recognize rural & grass-root-level innovators.

Ignitor



Technology demonstration by SRH University, Berlin



सत्यमेव जयते

DEPARTMENT OF BIOTECHNOLOGY
GOVERNMENT OF INDIA



Department of Biotechnology
75th Anniversary of Indian Independence

Title of the event : Startup Mahotsav

Name of the organizer : Startups Valley BioNEST TBI

Date and Time : 29th June 2021 to 28th Aug 2021

URL/Registration link (in case of virtual event): <https://forms.gle/QPWPm2M9biXxcWTz7>

Venue (in case of physical event) : Startups Valley BioNEST TBI,
(Planning for a physical event if COVID- Protocol allows) **Amal Jyothi College of Engineering,**
Kanjirappally, Kottayam, Kerala.

Brief background/purpose of the event:

1. To establish a link with rural innovators
2. Provide insight for high-tech farming
3. Promote to develop value added products
4. Initiate more start-ups from rural side
5. Attract more youngsters to entrepreneurship
6. Generate vision 2030 in the field of Agri and Food technology field.

Expected Participants/List of Participants: (Details are attached in annexure 1)

1. Common public
2. Industry representatives
3. Rural innovators
4. Students & Researchers from academia
5. Faculty community

How is the event linked to Azadi ka Amrit Mahotsav:

1. Enjoy independence with a hope of new income generation opportunities
2. Create more expectation on improved standard of living
3. Generate an expectation of overall development of the society
4. Introduce new opportunities for financial freedom
5. Rural connect with profitable farming.

Potential/Expected Impact:

1. Develop value added products
2. Promote new start-ups
3. Connect the rural people with industry
4. Create a vision for 2030 (new income sources)
5. Generate entrepreneurial spirit among youngsters

Annexure 1

Startup Mahotsav is an startup promotional programme conducting As part of 75th Anniversary of Indian Independence.

Startup Mahotsav is an international programme organized by Startups Valley TBI, AJCE in association with BIRAC (Govt of India), and SRH University, Berlin, Germany. Startup Mahotsav includes the following events.

1. **Techpreneur** - Series of interactive sessions with Industrial Experts and Innovation evangelists
2. **Ignitor** - Technology demonstration and presentation
3. **Indo-German International Hackathon** - Collaborative effort to solve problems in healthcare, Renewable Energy and Agritech
4. **KSCSTE Rural Innovators Meet** - Annual Programme of Innovators for encouraging and promoting the unorganized rural and grass-root level innovators

STARTUPS VALLEY
AMAL JYOTHI

75 Years of India's Independence Celebration
Startup Mahotsav
Azadi Ka Amrit Mahotsav
25 June - 24 July 2021

विज्ञान से विकास-प्रौद्योगिकी से प्रगति

Techpreneur <<< Meet & interact with industrial experts and innovators; a series	Hackathon <<< An International hackathon, in collaboration with SRH University, Berlin
KSCSTE - RIM 2021 <<< Project expo to recognize rural & grass-root-level innovators.	Ignitor <<< Technology demonstration by SRH University, Berlin

Logos: BIRAC, SRH University, DEPARTMENT OF BIOTECHNOLOGY, STARTUP MISSION, etc.

STARTUPS VALLEY
AMAL JYOTHI

75 Years of India's Independence Celebration

Startup Mahotsav

Azadi Ka Amrit Mahotsav 29 June 2021



विज्ञान से विकास-प्रौद्योगिकी से प्रगति

Ignitor

Technology demonstration - Electricity from
Coco shell by SRH University, Berlin

02:30 PM | zoom



Inauguration by

Prof. K.P. Sudheer

Principal Secretary

Science & Technology Department
Government of Kerala





DEPARTMENT OF BIOTECHNOLOGY
Government of India

सशक्त भारत
विज्ञान से विकास-प्रौद्योगिकी से प्रगति

Empowerment of Women through Cooperatives

Details of the programme :

This programme is being organized as a part of Azadi ka Amrit Mahotsav.

Date and Time: 3rd July 2021, 10.00 AM to 4.00 PM

Venue: Junior High School Campus, Malghot Viraicha, District- Deoria, U.P



COMMEMORATING 75 YEARS OF INDEPENDENCE

AZADI KA AMRIT MAHOTSAV

"Empowerment of women through Cooperatives"

Date: 03 -07-2021

Venue: Junior High School Campus ,
Malghot viraicha, Deoria

Organizer: ISHARA DEORIA

Sponsor: Department of Biotechnology Government of India

Technical support • KVK Malhana (Deoria)



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[@dbtIndia](https://twitter.com/dbtIndia)



[@dbtIndia](https://www.youtube.com/dbtIndia)

[#AzadiKaAmritMahotsav](https://twitter.com/AzadiKaAmritMahotsav)

[#IndiaAt75](https://twitter.com/IndiaAt75)



DEPARTMENT OF BIOTECHNOLOGY
Government of India

सशक्त भारत
विज्ञान से विकास-प्रौद्योगिकी से प्रगति

सहकारिता के माध्यम से महिला सशक्तिकरण।

कार्यक्रम का विवरण :

यह कार्यक्रम आजादी का अमृत महोत्सव के तहत आयोजित किया जा रहा है।

दिन और समय: 3 जुलाई 2021, सुबह 10.00 बजे से शाम 4.00 बजे तक

स्थान: जूनियर हाई स्कूल परिसर, मालघोट विरेचा, जिला- देवरिया, उ.प्र



ISHARA

COMMEMORATING 75 YEARS OF INDEPENDENCE

AZADI KA AMRIT MAHOTSAV

"Empowerment of women through Cooperatives"

Date: 03 -07-2021

Venue: Junior High School Campus ,
Malghot viraicha, Deoria

Organizer: ISHARA DEORIA

Sponsor: Department of Biotechnology Government of India

Technical support : KVK Malhana (Deoria)



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#AzadiKaAmritMahotsav

#IndiaAt75

Department of Biotechnology

आजादी का अमृतमहोत्सव || 75th Anniversary of Indian Independence

Title of the event: Empowerment of Women through Cooperatives.

Name of the organizer: ISHARA, DEORIA

Date and Time: 3rd July 2021, 10.00AM to 4.00 PM

URL/Registration link (in case of virtual event): NA

Venue (in case of physical event):

Junior High School Campus, Malghot Viracha, District- Deoria, U.P

Brief background/purpose of the event:

The Purpose of this event is to encourage women farmers to take interest in Agriculture activities through women cooperatives. Mostly PACS (Primary Agricultural Cooperative Society) members do not know about their role in PACS and work as individual. If the encouragement of Women cooperatives in Agriculture activities under Biotech Kisan Project they can get maximum benefits of their produce etc.

Expected Participants/List of Participants:

About 400-500 farmers especially women members/farmers of Society from different adopted village of Block Patherdewa under the Biotech Kisan Hub will be benefited from this programme.

How is the event linked to Azadi ka Amrit Mahotsav:

In present scenario women/s Cooperatives/ PACS are mostly effective in agricultural activities. Thus involvement of women cooperatives and PACS in agricultural activities under Biotech Kisan Project helps members/ farmers to involve in scientific Agricultural activities to strengthen their economic conditions.

Potential/Expected Impact:

Empowerment of Women through Cooperatives helps & shows their impact on women as they are already working in our adopted villages promoted by our organisation.

Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: Lab2 Market Campaign

Name of the organizer: BIRAC

Date and Time: Weekly basis

URL/Registration link (in case of virtual event):

Venue (in case of physical event): Social Media-BIRAC Twitter and Facebook Handle

Brief background/purpose of the event:

Several customized and uniquely positioned initiatives of BIRAC have helped recognize a growing number of the Biotech Entrepreneurship Start-ups & over 165 commercially deployed products. The idea is to initiate a campaign to promote and inspire conversation around the BIRAC supported innovations on the social media platform.



AyuSynk's unique stethoscope design allows healthcare workers to perform remote auscultation and can be used with protective covers in the ED to reduce contamination when pre-screening admissions.

#AzadiKaAmritMahotsav #IndiaAt75

@DBTIndia @Renuswarup @bhalla_anju

How is the event linked to Azadi ka Amrit Mahotsav?

The event has an overarching tagline **विज्ञान से विकास-प्रौद्योगिकी से प्रगति** under the theme *सशक्तभारत*. All these supported innovations are Make in India innovations that aim to strengthen the AtmaNirbhar Bharat initiative.

Potential/Expected Impact:

Outreach of BIRAC supported innovations to the social media audience to make people aware about the innovations that can be helpful to their day to day lives. BIRAC's efforts have resulted in significant changes in the landscape of the Indian biotechnology sector.

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Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: Lab2 Market Campaign

Name of the organizer: BIRAC

Date and Time: Weekly basis

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Brief background/purpose of the event:

Several customized and uniquely positioned initiatives of BIRAC have helped recognize a growing number of the Biotech Entrepreneurship Start-ups & over 165 commercially deployed products. The idea is to initiate a campaign to promote and inspire conversation around the BIRAC supported innovations on the social media platform.



BIRAC supported innovation Fetal Lite has been designed for home use by low skill operators, in extreme scenarios - mothers or family members can easily perform scans. #AzadiKaAmritMahotsav #IndiaAt75

@DBTIndia @Drrenuswarup @bhalla_anju

How is the event linked to Azadi ka Amrit Mahotsav?

The event has an overarching tagline **विज्ञान से विकास-प्रौद्योगिकी से प्रगति** under the theme *सशक्त भारत*. All these supported innovations are Make in India innovations that aim to strengthen the AtmaNirbhar Bharat initiative.

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Department of Biotechnology

आजादी का अमृतमहोत्सव || 75th Anniversary of Indian Independence

Title of the event: Seminar “Origin and Evolution of Cancer”

Speaker: Dr Sabarinathan Radhakrishnan, NCBS TIFR

Name of the organizer: DBT-inStem

Date and Time: July 3rd 10-11 AM

URL/Registration link (in case of virtual event): by registration

Venue (in case of physical event): N/A

Brief background/purpose of the event:

The Science Setu Programme at inStem entitled “Discovering Possibilities” is an effort to create awareness about the importance of science in our lives and encourage the participation of young college students and their teachers in the area of Biology. Through setting up engagements with practitioners of science, this programme aims to provide a view to the excitement and numerous opportunities arising from a career in science. The Science Setu program events at inStem is covering research in contemporary areas, highlighting key outcomes in basic research, clinical translation and industry in the country. Further, lectures are planned to discuss career opportunities to UG and PG students.

Each webinar covers a topic in a manner accessible to college students and apart from contemporary cutting-edge research, involves colleagues who have faced challenges and success in allied areas such as science journalism, publishing, communications, history of science, as well engagements with students and interns from our laboratories. The programme will include interactions with established leaders in Industry as well as innovators and heads of technical hubs in the city and beyond.

Contact email: sciencesetu@instem.res.in

Expected Participants/List of Participants:

Students from eight colleges in Bengaluru, Mangalore, Chennai, Kerala. Approx. 150-175 students and their teachers participate in the events.

UG and PG students from Bangalore:

St Joseph's; Maharani's Science College for Women,

Mount Carmel College Autonomous,

Indian Academy Degree College,

Kristu Jayanti College,

Sri Dharmasthala Manjunatheshwara College,

Mangalore: St. Aloysius College;

Kollam, St. John's College, Kollam, Anchal Kerala;

Chennai: Sri Ramachandra Institute of Higher Education & Research: Undergraduate college and Medical School students.

How is the event linked to Azadi ka Amrit Mahotsav:

The talks showcase research in laboratories in inStem and other national institutes, colleges, and universities as well as from industry and allied areas of science.

It is expected to highlight the progress and advances laboratories in India have made in the area collectively, over preceding decades and the current contemporary approaches we are taking to address questions.

Potential/Expected Impact:

We hope to build sustained interactions with participating colleges and partner with them in nurturing the growth of students curious about possibilities in science as well foster career advancement of exceptional students who would like to venture into science as a career. We also propose to participate in teaching in interested colleges, provide opportunities for students to visit our laboratories, be selected for internships (when safe) and also take part in debates and competitions in biological science and related areas.

Department of Biotechnology

आजादी का अमृतमहोत्सव || 75th Anniversary of Indian Independence

Title of the event: "Visualizing Biology" by Dr. Neel Sarovar Bhavesh

Name of the organizer: National Agri-Food Biotechnology Institute (NABI)

Date and Time: 2nd July 2021 11:00 am to 12:00 pm

URL/Registration link (in case of virtual event): Please join webinar from your computer, tablet or smartphone.

<https://www.gotomeet.me/nabimohali81/sciencesetu>

New to GoToMeeting? Get the app now and be ready when your first meeting starts: <https://global.gotomeeting.com/install/594320197>

Venue (in case of physical event): Virtual platform

Brief background/purpose of the event:

The National Agri-Food Biotechnology Institute, an autonomous institute, is organizing Open day program to connect the Indian research Institute with the colleges and general audience on Friday, 2nd July 2021 from 11:00 am to 12:00 pm.

Students from the various colleges and teachers of all over India, research institute, and other science admirers will have a chance to learn about the scientific achievements of India in past 75 years, and perspectives of future scientific development. The open day will feature scientific lecture and poster presentation by young researcher of NABI. The overall purpose of the event is to showcase the potential of science to the young students, so they can contribute to the field in the future.

Expected Participants/List of Participants:

1. S. Govt. College of Science Education & Research, Jagraon
2. Doaba College, Jalandhar
3. B.B.K DAV College of Women, Amritsar
4. Kanya Maha Vidyalaya, Jalandhar
5. Maulana Azad College, Kolkata
6. Lady Brabourne College, Kolkata
7. Jhargram Raj College, Jhargram
8. Ramkrishna Mission Vidyamandira, Howrah
9. Ramakrishna Mission Vivekananda Centenary College, Kolkata
10. Surendranath College, Kolkata
11. Bethune College, Kolkata
12. Mugberia Gangadhar Mahavidyalaya, Medinipur
13. Krishna Chandra College, Birbhum
14. Center of Innovative and Applied Bioprocessing

15. National Agri-Food Biotechnology Institute

16. Other DBT autonomous Institute

How is the event linked to Azadi ka Amrit Mahotsav:

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Potential/Expected Impact:

Open days are social encounters among the students and faculty of eminent institutions. Most of the students are attracted towards the institutions where faculty is highly qualified, possess great knowledge, and are enthusiastic and passionate about their work. Many students are not able to take proper decisions due to a lack of exposure to advanced scientific discoveries and instrumentation. Being able to interact with the faculties of higher institutions enables the students in the decision making process about their future. Here at NABI we have highly qualified and experienced staff that might impact students' perspective towards opting for their career in science. Moreover, they could also learn the importance of small observations in making great discoveries.

The event highlights the latest developments in scientific fields and how few observations are important. Such open days can help the students and teachers to develop scientifically temperament and this way they would be encouraged for scientific thinking and a better understanding of scientific concepts

Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: Science Setu Quiz Competition

Name of the organizer: National Institute of Immunology (NII) with Delhi Public School, Pataudi (Haryana)

Date and Time: 28th June, 2021 at 11:00 AM

URL/Registration link (in case of virtual event):

<https://zoom.us/j/93458417551?pwd=cDdnSIN3RzZTK1I1bm9WT2IESHBRUT09>

Venue (in case of physical event):

Brief background/purpose of the event:

To sensitize the school students towards science as due to the pandemic they mostly are having online classes. This particular event was to break the monotony and to give them an interactive session in the form of fun quiz on science.

Expected Participants/List of Participants: There were 20 participants in the meeting.

How is the event linked to Azadi ka Amrit Mahotsav:

The quiz event was planned to celebrate the 75th Independence Day as well the celebrate science. There is nothing more exciting than to see students participating enthusiastically in a science quiz and at the same time celebrating 'Azadi ka Amrit Mahotsav'.

Potential/Expected Impact: Overall it was a successful event in terms of celebrating 'Azadi ka Amrit Mahotsav' and learning science in a different way. Students take aways were 'learning is fun' and 'science is exciting'.