



# 2023 ANNUAL REPORT

UNNAT BHARAT ABHIYAN (UBA)

National Institute of Technology Rourkela (NITRKL)  
Regional Coordinating Institute (RCI), Odisha



उन्नत भारत अभियान  
UNNAT BHARAT ABHIYAN  
ଉନ୍ନତ ଭାରତ ଅଭିଯାନ



PRESENTED BY  
UBA Team, NITRKL

10+

*Events*

64+

*Participating  
Institutes*

200+

*Active Members*

320

*Villages*

10000+

*Beneficiaries*

## *National Institute of Technology Rourkela*

# REGIONAL COORDINATING INSTITUTE, ODISHA

## VISION

Unnat Bharat Abhiyan is inspired by the vision of transformational change in rural development processes by leveraging knowledge institutions to help build the architecture of an inclusive India.

## MISSION

The Mission of Unnat Bharat Abhiyan is to enable higher educational institutions to work with the people of rural India in identifying development challenges and evolving appropriate solutions for accelerating sustainable growth. It also aims to create a virtuous cycle between society and an inclusive academic system by providing knowledge and practices for emerging professions and to upgrade the capabilities of both the public and the private sectors in responding to the development needs of rural India.

## UBA@NIT Rourkela

NIT Rourkela actively targets to use the expertise available in the institute to improve the quality of rural life through innovative and affordable technological interventions. Some of the issues to be addressed in the first phase are improvement in skill development for unemployed youth, quality of school education, agriculture, sanitation, health care, awareness towards digital India, renewable energy use, basic infrastructure, plantation and self-reliance.



**Prof. K. Umamaheswar Rao.**



**Prof. Mahabir Panda**



**Prof. Raj Kishore Patel**



**Prof. Angana Sarkar**



**Prof. P.  
Balasubramanian**



**Prof. Kasturi Dutta**



**Prof. Sabyasachi Mishra**



**Prof. Bibekanand Mallick**



**TEAM UBA**

# Preface

## Director's Message

It is a great pleasure to unveil the booklet showcasing the year round activities of Unnat Bharat Abhiyan cell of National Institute of Technology Rourkela as a participating and regional coordinating institute of Odisha state. The UBA team of NIT Rourkela have been actively working in developing strategies for problem solving and resource mapping to improve the livelihoods of people in the adopted villages along with handholding of participating institutes throughout the state. The significant achievements of the UBA showcased here is expected to inspire the academic institutions to extrapolate their knowledge and join hands with NIT Rourkela for improving the standard of living in the rural society. I congratulate the UBA team and wish them all success in the future endeavors.



**Prof. K. Umamaheswar Row**  
Director, NITRKL

## Regional Chairman's Message

This is a matter of great pride and privilege as a regional chairman to congratulate my UBA-NITRKL team for bringing out this booklet. The booklet presents the glimpse of year round activities and highlights the role of UBA-NITRKL in association with the Gram panchayats, voluntary organizations in tackling the needs of the adopted villages using locally available and eco-friendly resources. The information provided will necessarily act as a motivation not only to other academic institutions, but also on our own core team to continue working for the betterment of the rural society.



**Prof. Mahabir Panda**  
Dept. of Civil Engineering,  
NITRKL

## Nodal Coordinator's Message

It gives me an immense pleasure to present the booklet highlighting the activities of UBA-NITRKL. As a regional coordinating institute for the state of Odisha, we have made an attempt to showcase the year long activities for motivating the faculty members and students of higher educational institutions to undertake more such societal initiatives in the near future. I also extend my hearty thanks to our UBA team for their untiring efforts, the participating institutes for sending us their work progress and also the National Coordinating Institute of UBA, IIT Delhi for their cooperation and support extended to NIT Rourkela all through the journey. We look forward to strengthen the networking further and work together for the noble cause of rural development.



**Prof. Raj Kishore Patel**  
Dept. of Chemistry, NITRKL

## Convener's Message

UBA team at NIT Rourkela is committed to utilize the technical knowledge, expertise and skills to better use the available resources in improving the economic and social status of rural people. Over the last couple of years, UBA team at NIT Rourkela is striving hard to improve the environment, health, education, basic amenities as well as providing employment to the rural masses. The booklet showcases the untiring efforts in the last year and achievements of our UBA team along with student volunteers. Although transforming rural India is a bit challenging task but we hope our experiences and learning will contribute to all endeavors aimed at bringing sustainable transformation in the lives of rural people.



**Prof. P. Balasubramanian**  
Dept. of Biotechnology & Medical  
Engineering, NITRKL

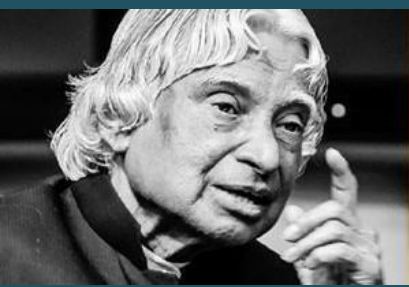


**GLIMPSE  
OF  
2023**



**UBA 2023 : YEAR IN REVIEW RECAP**

- Blankets and saplings of fruit bearing trees were distributed in the adopted village of Jhirpani.
- Participated in Unnati Mahotsav and expo at IIT Delhi with a motive of showcasing products made with bamboo by villagers of the adopted village.
- Skill development workshop on bakery products from millets was organized in NIT Rourkela to help villagers learn making products from millets.
- Meeting between representatives of UBA NIT Rourkela and the representatives of the adopted villages was organized to discuss the problems of the villages, work on them, and provide requisite solutions to them.
- Participated in Gram Sabha of the adopted villages to know their problems, discuss the plans and work of UBA NIT Rourkela towards the village.
- Distributed flags on the eve of Har Ghar Tiranga with the message of brotherhood in the village.



“ Almost half of the population of the world lives in rural regions and mostly in a state of poverty. Such inequalities in human development have been one of the primary reasons for unrest and, in some parts of the world, even violence. ”

A. P. J. Abdul Kalam



6<sup>th</sup> Nov 2022  
Organic farming in village

10<sup>th</sup> Feb 2023  
Meeting with youth members and  
UBA NIT team



1-11 March 2023  
Skill development  
workshop on bakery  
products from millets

15<sup>th</sup> Aug 2022  
Gram Sabha in a Jhirpani  
village





## ACTIVITIES AT GLANCE, FEB' 2023

- Collected soil samples from the households of Jamshera residents who are willing to do organic plantation under UBA on 6<sup>th</sup> February 2022
- On 8<sup>th</sup> February training was provided to households allotted who were willing to do organic plantation.
- Distributed materials, seeds and saplings of vegetables to households allotted for organic plantation.
- On 15<sup>th</sup> February in order to understand and work on the problems, monthly visit has been made in adopted village of Jamshera and Jhirpani . A meeting was undertaken with the ward members and villagers during the process.-



# Contribution towards society and promotion of organic farming



Awareness of  
Plantation &  
Hygiene  
18 Jan 2023



Organic farming 6<sup>th</sup> Nov 2022

# SKILL DEVELOPMENT WORKSHOP

*From 7-11 March 2023*



## BAKERY PRODUCTS FROM MILLETS



Millets have been an integral part of our diet for centuries. In addition to a plethora of health benefits, millets are also good for the environment with low water & input requirement. With the aim to create awareness and increase production & consumption of millets UBA NIT Rourkela organised a 5 day workshop in dept of food process engineering in NIT Rourkela in between the adopted village of Jhirpani, Jamshera, Mitkundri, Kansar and Dalposh to teach them importance of millets and products which can be made with Millets as a basic ingredient.



# MAHOTSAV AND EXPO "UNNATI" 17-18 March 2023 UNNAT BHARAT ABHIYAN

-\*UNNATI" Mahotsav & Expo\* an initiative to showcase the knowledge-based solutions resulting from continuous interactions among knowledge institutions through their students and faculty members and primary stakeholders through Gram Sabhas of respective villages, for the purpose of identifying ground-level challenges and designing their appropriate & sustainable solutions across the country selected by our Regional Coordinating Institutes among Participating Institution's interventions in villages.

- As part of UNNAT BHARAT ABHIYAN NIT Rourkela with two of its office assistants Prem Deepak Xess and Banita Mahali participated in the event with two villagers Smile Jatarma and Dubraj Mundari to showcase their products made with bamboo .

-There was a huge response by other participants throughout the country.

**National Program for Demonstration and Dissemination of select Technologies of Unnat Bharat Abhiyan Institutions**

## MAHOTSAV & EXPO

### "UNNATI"

Unnat Bharat Abhiyan Networking for National Atmanirbhar Technological Intervention

ORGANISED BY

### उन्नत भारत अभियान

NATIONAL COORDINATING INSTITUTE, IIT DELHI

**Dates: 17th & 18th March 2023**      **Venue: Dogra Hall, IIT Delhi**



**Dr. Subhas Sarkar**  
Hon'ble Minister of State for Education, GoI



**Shri Harsh Chouhan**  
Chairman,  
National Commission for Scheduled Tribes



**Dr. Gajanan Dange**  
President, YOJAK Centre for Research & Strategic Planning for Sustainable Development





**UNNATI  
MAHOTSAV AND  
EXPO IIT DELHI  
17- 18 March 2023**



## FLAG DISTRIBUTION FOR HAR GHAR TIRANGA IN ADOPTED VILLAGES



Har Ghar Tiranga' is a campaign under the aegis of Azadi Ka Amrit Mahotsav to encourage people to bring the Tiranga home and to hoist it to mark the 75th year of India's independence, NIT Rourkela on its behalf distributed flags in adopted villages.

## CONTRIBUTION TOWARDS SOCIETY

## DONATION OF STUDENTS DESKS IN JAMSHERA HIGH SCHOOL AN ADOPTED VILLAGE OF NIT ROURKELA

16<sup>th</sup> June 2023

- 30 numbers of students desks was been repaired and donated in Jamshera high school, a school in an adopted village lacking from basic amenities by UBA NIT Rourkela , these will help the children and school together lacing from the facilities to carry on their functions smoothly .
- NIT Rourkela as part of UNNAT BHARAT ABHIYAN always plays its contribution towards the society and its adopted villages .
- Team of UBA NIT Rourkela always go for the field visit in the adopted villages so that their problems could be identified and solved.



Meeting between the representatives of adopted villages and NIT Rourkela

Discussion on problems of village



Small acts when multiplied by millions of people, can transform the world.

Food engineering workshop 1-11 March 2023



“ The future of rural India is intertwined with its ability to integrate science and technology. ”  
Dr. S Radhakrishnan

← **Tweet**

 **NIT Rourkela**   
@nitrourkela

Department of Food Process Engineering, NIT Rourkela is organizing a 'Skill Development Workshop on Bakery Products from Millets'.

@g2oorg @EduMinOfIndia @Unnatbharat\_Tw @swachhbharat @AmritMahotsav


#millet




1:50 AM · Mar 7, 2023 · 2,022 Views

[https://twitter.com/nitrourkela/status/1632838529981005825?t=yWiaNaLbmOTX\\_o5pXVs-lw&s=08](https://twitter.com/nitrourkela/status/1632838529981005825?t=yWiaNaLbmOTX_o5pXVs-lw&s=08)


× **Retweeted by**


 **Alekh Mallick**  
@alekhmallick Follow

into power sector , likes to read history and love a society based on equality, love and empathy, views personal.


 **Unnat Bharat Abhiyan**  
@Unnatbharat\_Tw Follow

" तकनीकी संस्थाओं का ज्ञान – स्वेच्छिक संगठनों का अनुभव – सरकार के संसाधन सभी को मिलाकर गांवों के विकास के लिए "

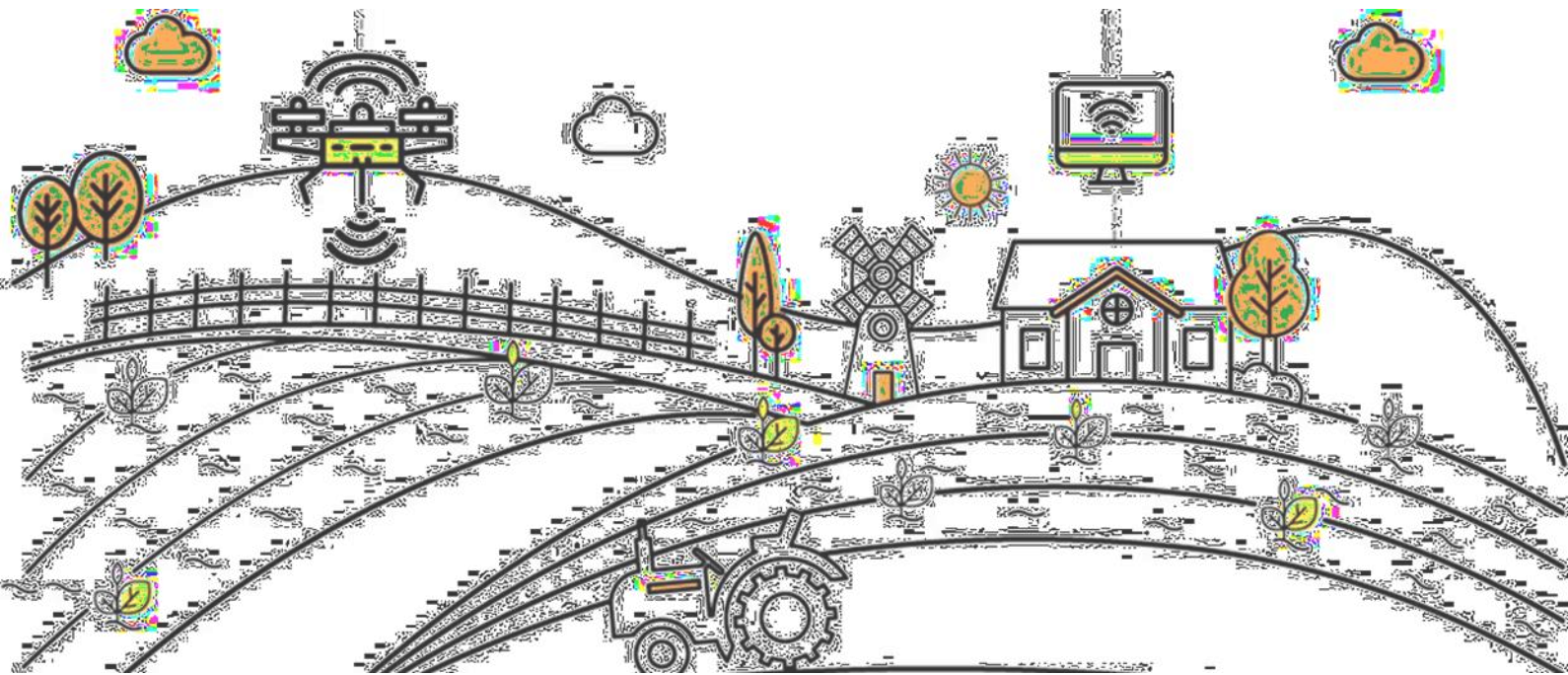
 **Winny Routray**  
@Winny167 Follow

 **Sabyasachi Mishra**  
@drsmishra Follow

Professor (Food Process Engg.) and Member, BoG, #NITRourkela. Views are purely personal.

 **shashank agrahari**  
@shashankagrahar Follow

Engineer by degree teacher by profession Rts are personal Alma meter @nitrkl





Links :-

[https://m.facebook.com/story.php?story\\_fbid=pfbid02gcrHezW1N2J5XPruqgG9g11kZVdd1C5hytewh75jtF8KzDepXegLGE4pW1tRUTpul&id=100021784667192&mibextid=Nif5oz](https://m.facebook.com/story.php?story_fbid=pfbid02gcrHezW1N2J5XPruqgG9g11kZVdd1C5hytewh75jtF8KzDepXegLGE4pW1tRUTpul&id=100021784667192&mibextid=Nif5oz)


[https://m.facebook.com/story.php?story\\_fbid=pfbid02aXmqcXoY73xArVzzsuYRvyimGGZ1QvLSnS2QTZUKeU5P3Bo9ZiAs79afCb31CyAzl&id=100021784667192&mibextid=Nif5oz](https://m.facebook.com/story.php?story_fbid=pfbid02aXmqcXoY73xArVzzsuYRvyimGGZ1QvLSnS2QTZUKeU5P3Bo9ZiAs79afCb31CyAzl&id=100021784667192&mibextid=Nif5oz)

 **Prem Deepak** is at **Department of Food Process Engineering, NIT Rourkela.**  
Mar 9 · Rourkela · 🌐

2nd day of workshop at NIT Rourkela, Thanks to the Registrar NIT Rourkela Prof. Rohan Dhiman , Prof Rajkishor patel Regional coordinator UBA NIT Rourkela Dr. Sabyasachi panda dept of food process engineering [Uba Nit Rourkela](#) ,people of Dalposh and all people associated with it for being present here and making this event successful..




  Benzee Sama and 13 others      2 comments

 **Prem Deepak** is at **Department of Food Process Engineering, NIT Rourkela.**  
Mar 11 · Rourkela · 🌐

Day 3 of workshop at NIT Rourkela.. Organised by [Uba Nit Rourkela](#)



  Benzee Sama and 27 others      4 comments



We Should not **give up** and we should **not allow** the problem to **defeat us.**

— A.P.J. Abdul Kalam

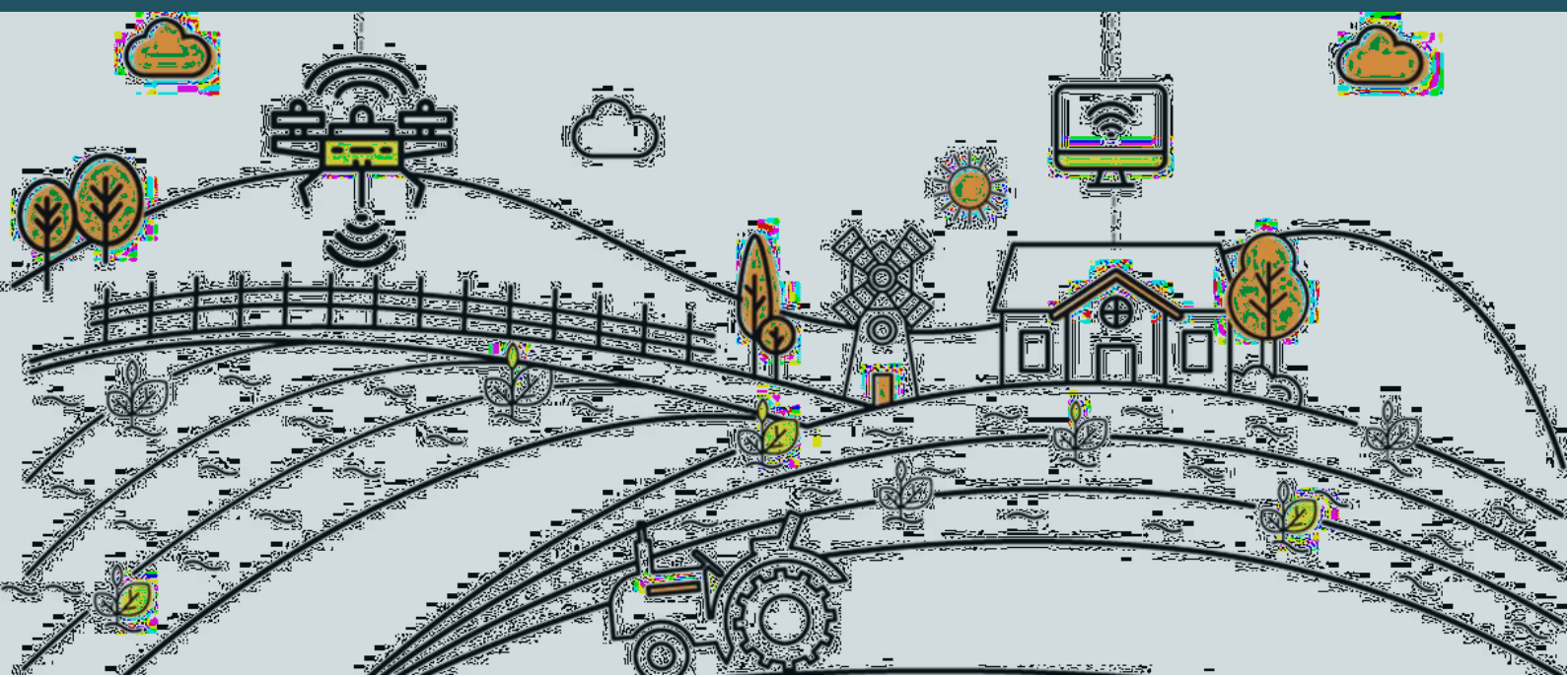


**Workshop On The Implementation Of National Education Policy – 2020**

-NIT Rourkela is all set to implement the recommendations and guidelines laid down in National Education Policy (NEP) 2020. On boarding directors and professors from IITs and NITs, a 2-day workshop on National Education Policy – 2020 was conducted at NIT Rourkela during May 5-6, 2023.

-The workshop started with the inaugural session presided over by Prof. K. Umamaheshwar Rao (Director, NIT Rourkela). Giving inaugural address, Prof. S Chakraverty, Co-Chairman of NITR NEP 2020 team thrust light on the main features of NEP 2020.

-Addressing the gathering, Dean(Academic) Prof. Susmita Mishra appraised the audience on the evolution of National Credit Framework (NCrF) in line with NEP-2020 through various stages since last two years for its implementation in NIT Rourkela.



*a year's overview*

# THANK YOU



People of Jhirpani in NIT Rourkela for workshop on Skill Development  
7<sup>th</sup> March 23

People of Jamshera in NIT Rourkela for Workshop on Skill Development  
8<sup>th</sup> March 23



People of Dalposh in NIT Rourkela for Workshop on Skill Development  
9<sup>th</sup> March 23



Unnat Bharat Abhiyan Team,  
Regional Coordinating Institute (RCI) Odisha,  
National Institute of Technology Rourkela,  
Odisha, India - 769 008

Mail: [uba@nitrkl.ac.in](mailto:uba@nitrkl.ac.in); [uba.nitrkl@gmail.com](mailto:uba.nitrkl@gmail.com)  
Web: [www.nitrkl.ac.in/uba](http://www.nitrkl.ac.in/uba)  
Phone: 0661 246 2952  
WhatsApp: 88953 40071



Unnat Bharat Abhiyan Team,  
National Coordinating Institute (NCI),  
Indian Institute of Technology Delhi,  
India - 110 016

Mail: [unnatbharatabhiyaniitd@gmail.com](mailto:unnatbharatabhiyaniitd@gmail.com)  
Web: <https://unnatbharatabhiyan.gov.in/>  
Phone: +91-11-26591157, 26596351

Conceptualized by : Dr. P. Balasubramanian, NITRKL Design Credits : Mr. Mari Selvam S,

Mr. Rahul S, NITRKL

Content Credits : Ms. Bunushree Behera, Ms. Nageshwari K, NITRKL Office Staffs : Ms. Sriyanka Aparajita, Mr. Prem Xess, NITRKL