

BRTC IMPACT REPORT

CEO'S MESSAGE



Dr. Mrutyunjay Suar
CEO, KIIT TBI

BIRAC BioNEST supported initiative, BRTC at KIIT-Technology Business Incubator has completed three years and it has been a wonderful journey so far in creating a vibrant innovation and startup ecosystem in NE & E. It is a pleasure to present the consolidate report showcasing the activities and impact of BRTC and our way forward.

Established in 12th July, 2019, over the past two years, BRTC has worked aggressively on reaching out to budding startups, innovators across all the states of North East and East. Staying true to our mandate to support innovation, through mentoring and handholding of startups and building a stronger incubation ecosystem in NE & E, BRTC has implemented many capacity-building workshops and new initiatives that allow innovators to build their product, address regulatory, IP and commercialization concerns.

The North-East and Eastern regions are one of the global biodiversity hotspots and home to many ethnic groups with a rich traditional knowledge of the endemic bio resources. To harness these resources, BRTC is engaged with various institutes to identify proven technologies which can be supported for deployment at field level and can lead to sustainable enterprise formation with the support of the Government of India.

Realizing that there has been a recent surge in the number of aspiring young innovators starting who wish to start their entrepreneurial journey, BRTC is incisively mentoring many potential institutes to establish BIONEST Bioincubator. Few Institutes like CSIR-NEIST, NEHU Tura Campus have been recently supported by BIRAC in the last financial year to establish Bioincubator with KIIT TBI as the mentor incubator.

The positive impact has only been possible with strong mentorship and handholding. Throughout these three years more than 50 mentors from diverse expertise have played a catalytic role in supporting the innovative projects and startups.

We are committed to double our efforts, seek aligned partnerships and work together synergistically with institutes, startups, academia, and incubators to create a vibrant “North East and Eastern Cluster” with the support of BIRAC, Government of India.

Onward and Upward!!!

IMPACT REPORT 2019-2022

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Enabling Entrepreneurs of East and Northeast Region

The North eastern region is identified as a potential hub for development of India bio economy to reach the target of \$ 5 trillion by 2024. This can only be possible by accelerating the potential of development and economic potential of the region through employment generation and improving socio economic condition by utilizing the rich natural resources.

The region caters both the opportunities and challenges for skill development and building an entrepreneurial ecosystem. The advantages of the region are the presence of rich natural resources in form of forest and biodiversity richness, sacred destinations, landscapes of unparalleled beauty, diverse language and cultures, agro-ecosystems and niche products which provides an ample opportunity for nurturing sustainable development and entrepreneurship in the region. The region has a key role in the nation's development with its rich natural resources and pool of talented peoples.

The North East region has huge potential for starting a business with wealth of bio resources and cheap labours. But the major obstacle face by the entrepreneur include lack of knowledges on the technology available for upscaling, business mentor and incubation centre to train the necessary skills set for a successful start-ups. The poor infrastructure and communication facility and lack of start-ups ecosystem in the region hinder the growth of the entrepreneurs. Out of total 14,565 start-ups registered in start-up India, only 0.144% comes from the northeast as recognized under the start-ups India initiative of the Indian government. It was identified that the region is lacking a proper platform and the spirit of entrepreneurship among the people of the north eastern region.

The NE region mostly consists of rural areas and the gap between the rural and urban development is a major issue in the developmental process which needs to fill the gap in an effective manner. This can be done through developmental entrepreneurial activities in the rural sector which can provide opportunities in diverse areas like harvesting/post harvesting and processing and value addition of agriculture/horticulture/ fisheries and biomass conversion of the natural resources.

With the aim of self-reliant India, the wealth of the region is one of untapped regions in the country which can be utilized sustainable to provide employment and improve the livelihood in the region. The region has the potential to transform into an industrial hub with the implementation of the Look East Policy. To make the region self-reliant, there is a huge bio wealth but lack trained manpower to take forward the technology.

KIIT TBI set up a regional Centre with the name BIRAC Regional Techno entrepreneurship promotion centre (BRTC) at KIIT- TBI which is a regional centre of BIRAC. The aim of the regional centre is to identify and nurture start-ups as well as provide mentoring support to nascent incubators. It will provide a holistic platform to catalyse interactions between stakeholders in order to **promote technology growth** in the east and north east region of India, with special emphasis on **empowering women entrepreneurs**. The BRTC program focuses on **mining the techno-commercial resource pool of East and North East** region in order to address the prevailing gaps within the existing innovation ecosystem.

With previous experience on mentoring start-ups, it was identified that there is an urgent need to build a holistic ecosystem of start-ups in the region, training, connections, capacity building and self-sustenance of the start-ups.

With a vision to create and build an enabling ecosystem in the region for technology development and provide structural and fundamental support to the budding starts up and incubators of the region, KIIT-TBI has started reaching out to various institutes and states and we are sharing the overall activities carried out under the last two years of BRTC existence in the region.

FOCUSED STATES: 10

Assam, Bihar, Chhattisgarh, Jharkhand, Manipur, Meghalaya, Odisha, Sikkim, Tripura, West Bengal.

STATES COVERED:13

Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Jharkhand, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Sikkim, Tripura, West Bengal.

BRTC Advisors



Dr. Mohd. Aslam

MD, BIRAC, Scientist G, DBT,
Government of India.
New Delhi



Prof. Anil K. Gupta

Founder Honey Bee Network &
National Innovation Foundation
Ahmedabad



Dr. Manish Diwan

Head, Strategy Partnership &
Entrepreneurship Development,
BIRAC, New Delhi



Taranjeet Kaur

Manager-Entrepreneurship
Development, BIRAC, New Delhi



Prof. Pawan Sharma

Visiting Research Professor,
College of Veterinary Science,
Guwahati



Dr. Sriparna B. Baruah

Head, Centre for Industrial
Extension, IIE, Guwahati



Mr. Manoj Kumar

Co-founder and
CEO Social Alpha
Bangalore

Team Members



Dr. Mrutyunjay Suar
CEO, KIIT-TBI



Dr. Namrata Misra
Head, Technology Incubation
KIIT-TBI



Dr. Rajiv Kangabam
Manager BRTC, KIIT-TBI



Riya Roy
Program Manager Bio-Innovation
BRTC, KIIT-TBI



Arpan Ghosh
Program Manager Bio-Innovation
BRTC, KIIT-TBI



Saikat Gupta
Lead - Design & Incubation
Portfolio
KIIT-TBI



Aryan Jaiswal
Program Associate Bio-Innovation
KIIT-TBI

BRTC Mentors



Dr. Lipika Sahoo
Founder & CEO, Lifeintellect
Consultancy



Dr. Shriram Raghavan
Start-up Architect, Vice
President at Jananom
Technologies



Mr. Mukesh Malik
Partner, ah!
Ventures



Mr. Saumyajit Guha
VP, Padup Ventures



Mr. Pankaj Thakar
Founder, Padup Ventures



Dr. Shaon Raychaudhuri
Associate Professor, Dept. of
Microbiology, Tripura
University



Dr. Jitendra Thakur
Scientist, NIPGR



Mr. Kaustubh Dhargalkar
Founder, Potentials &
Possibilities



Dr. Neel Sarovar Bhavesh
Group Leader, ICGB



Avinash Shejale
Director of Lifesciences,
Ainvent Capital



Aparajita Prasad
Founder Director,
MetaConnect Consulting



Mr. Amit Singal
CEO, Startup Buddy



Mr. Rajeev Aiyappa
Partner,
Plataforma Capital



Dr. Ashoke Sharon
Asst. Prof,
BIT-Mesra



Dr. Parthjyoti Gogoi
Director, Regional Drugs
Testing Laboratory,
CDSCO, Guwahati

Newly Onboarded NE Mentors



Dr. Rajeshwar Nath Sharan
Prof, NEHU Shillong



Dr. Utpal Bora
Prof, IIT Guwahati



Dr. Prododh Borah
Prof, AAU Khanapara



Dr. Karuna Shrivastava
Prof, NERIST, Nirjuli



Dr. Huidrom Sunitibala Devi
Scientist-E, IBSD, Imphal



Dr. Binu Mathew
Prof, NEHU, Tura



Dr. Rajkumar Kishor
Kwaklei & Khonggunmelei
Orchids



Dr. Rituraj Konwar
Principal Scientist,
CSIR-NEIST



Dr. Upendra Nongthomba
Prof, IISC, Bangalore



Dr. Robin Boro
Prof, AAU Jorhat



Dr. Birendra Kr Mishra
Prof, NEHU, Tura



Dr. Danish Tamuly
NEATEHUB, AAU



Dr. Dhruba Sharma
Prof, IASST, Guwahati



Dr. Kh. Subadas Singh
Scientist –C, CSB, Gol



**Dr. S. Thangminlal
Vaiphei**
Prof, MU, Aizawl



Dr. Somnath Roy
Sr. Scientist, TTRI, Jorhat



Dr. Sumpam Tangjang
Prof, RGU, Rono Hills



Dr. Albert Chiang
Scientist C, IBSD, Imphal



Dr. Mohan Chandra Kalita
Prof, Guwahati University



Dr. N. Senthil Kumar
Prof, MU, Aizawl



Dr. Md. Ahmaruzzaman
Prof, NIT, Silchar



Dr. S.R. Joshi
Prof, NEHU Shillong



Dr. Goutam Saha
Prof, NEHU Shillong



Dr. Jyoti Prakash Tamang
Prof, Sikkim University



Dr. Sonali Roy
Incubation manager, NIPER



Dr. Sharmistha Banerjee
Prof, IIT, Guwahati



Dr. Sinmoy Goswami
Prof, AIM, Guwahati



Dr. Swapnil Sinha
BioAptagen Laboratories



Dr. Priyanshu M. Sarma
Innotech Agropostikam



Dr. Supriyo Sen
Ouija Biosolutions



Dr. Pranjal Kalita
Prof, CIT, Kokrajhar



Dr. Shashi Baruah
Prof, Tezpur University



Dr. S C. Prabhuswamimath
Scientist E, AIISH, Mysore



Ajoy Kumar Chakraborty
Chaukros International

Programs Overview

To build a startup ecosystem in the region, BRTC has come up with a holistic approach to create an enabling platform and promote innovations and entrepreneurship amongst East and Northeast regions of India. To help in transforming the region, the following programs are organized in East and Northeast India.



Roadshows

Roadshows are the initial programs conducted in each of the focus states to provide awareness among the people about the various schemes and programs available for start-ups and entrepreneurs. This one-day program is structured in such a way to create awareness and sensitize budding entrepreneurs of East and Northeast about various funding schemes available under BIRAC and other government agencies. The program also makes the participants aware of the National and International landscape of the start-up ecosystem. Each year, 6 roadshows with a target of 50 participants were organized across various institutes in the East and Northeast region of India.



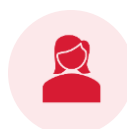
Design Workshops

The two-day extensive workshop focuses on product design and business development for early-stage start-ups. The goal of this program is to provide handholding and mentoring support by experts to promising early-stage start-ups so that they move from Stage A to Stage B in terms of their product development or business model. These workshops also include Ideathon/Hackathon sessions. Every year, 2 such workshops were conducted with the participation of 20-40 start-ups in each of the workshops.



Capacity Building Training Program

The two-day structured capacity building training is a follow up of the roadshows with a focus on imparting with necessary knowledge and skills to innovators for transforming their ideas into successful & sustainable ventures. Each training program has dedicated one day for showcasing strengths and innovations by the partnering institutes and local commercial players. BRTC has conducted 6 such training programs every year with target participation of 50-60 budding innovators.



Training Program for Rural Women Entrepreneurs

The training program is a three-day program aimed to empower rural women by providing them with the necessary skills set needed to improve their socio-economic state. This program includes an entire day on sensitizing local women about schemes and opportunities available for women entrepreneurs and the remaining two days are structured to provide basic hands-on training on different domains on which the rural cluster is working. In a year, 4 training programs with a participation of 50 women per program were conducted across various rural clusters of East and Northeast India.



Northeast Showcase Event

The showcase is a two-day long event where the successful innovators from outside Northeast are invited and motivated to set up their new/existing enterprises in the Northeast region in partnering with the start-ups of the region. One such event has to be conducted each year with a participation of 30-40 innovators/entrepreneurs in any states of Northeast India.



Incubation Practice School Event

This is an exclusive and advance event for training incubation managers from existing incubators (BIRAC/Non-BIRAC) of North East/representatives of institutes located in the Northeast region willing to set up incubation centres. The selected managers will be taken for a tour and orientation program on running a successful incubation centre at KIIT-TBI and other established incubators in the country to have a first-hand account on understanding and learning the best practices of incubation. Twice a year such a program has to be organized with the participation of 6-8 managers in each.



Northeast Immersion Program

This program is aimed at providing best practices and exposure to selected start-ups from the NE region. This is a 5 days intensive activity conducted once a year. Under this program, a cohort of 15 innovators from Northeast are invited to KIIT-TBI for a 3 days exposure program and interact with promising start-ups and mentors and followed by a visit to one of the other BIRAC regional sub-centers and mature incubators such as IKP/Venture centre/CCAMP/FITT to interact with their start-ups and share their expertise. This will provide the start-ups of the region the necessary knowledge and technology essential for building a successful ecosystem of start-ups in the Northeast region.

Consolidate Report of the activities of the BRTC 2019-2022

The BIRAC Regional Techno Entrepreneurship Promotion Centre (BRTC) at KIIT-TBI is striving to build an enabling platform for startups in the east and Northeast region of the country. Since its inception in 2019, BRTC is reaching out among the focus states of the region to carry out the number of activities of BRTC and also help the institutes/organization grow with the mentor support of KIIT-TBI. The following activities were conducted as part of the BRTC program in East and Northeast India. In the last three years, 55 BRTC mandates programs including roadshows, training programs, design workshops and rural women training programs were conducted across East and North East. Out of 55 program, 16 belong to roadshows of which 12 were conducted in Northeast and 4 in East, Design workshop, all the 5 programs were arranged in Northeast, eight rural women training program, 4 were organized in East and 4 in North East and the training program, out of 25, two each were conducted physically in East and Northeast while the remaining 21 programs were conducted through online mode due to the ongoing Covid 19 Pandemic. One Incubation practice school for the BioNEST incubators and other incubators were also organized during the duration. During the period a total of 4580 people mostly from Eastern and North Eastern part of the region were trained to enhance their skill and knowledge necessary for the Entrepreneurship development.

Consolidate BRTC Activities in East (E) and Northeast (NE)

55
Total Programs

Roadshow

Offline: 8 (3E & 5NE)
Online: 8 (7NE & 1
E)

Rural Women Entrepreneurship

Offline: 8 (4E & 4NE)

Training Program

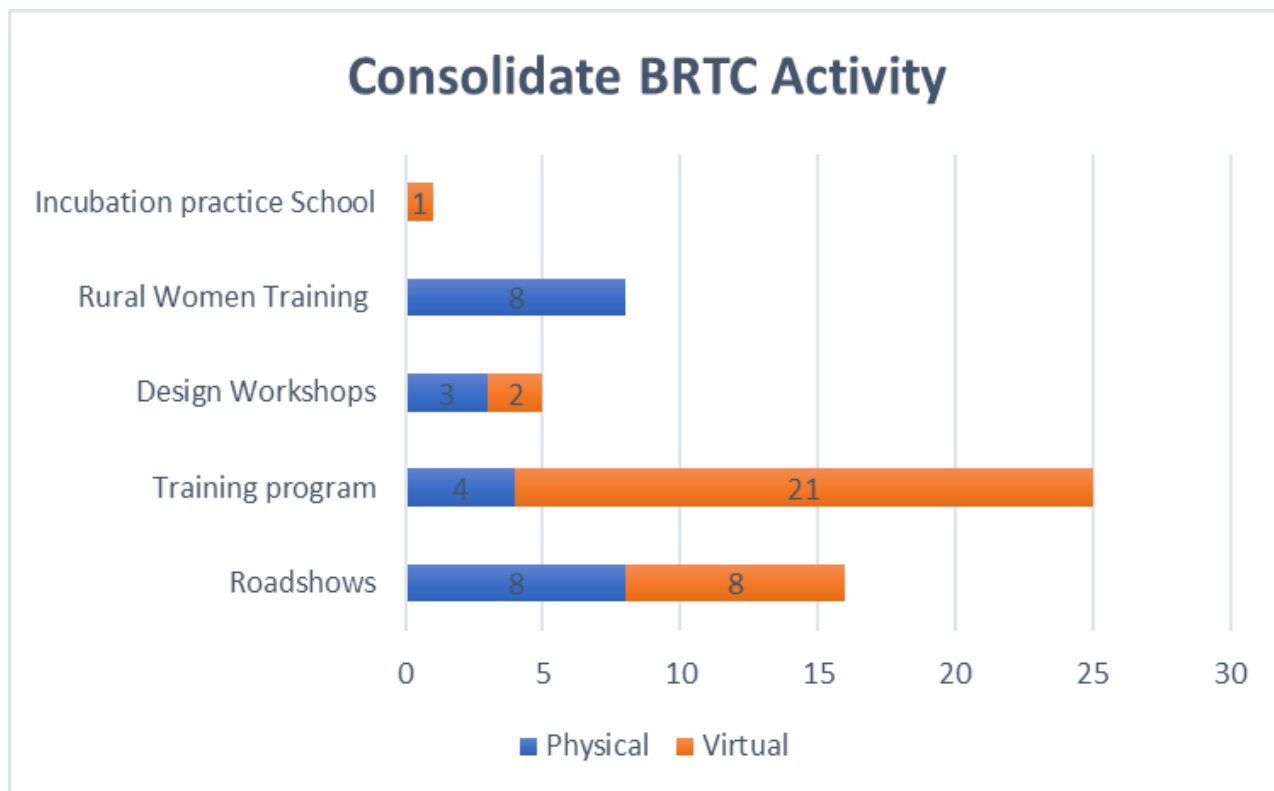
Offline: 4 (2E & 2NE)
Online: 21

Design Workshop

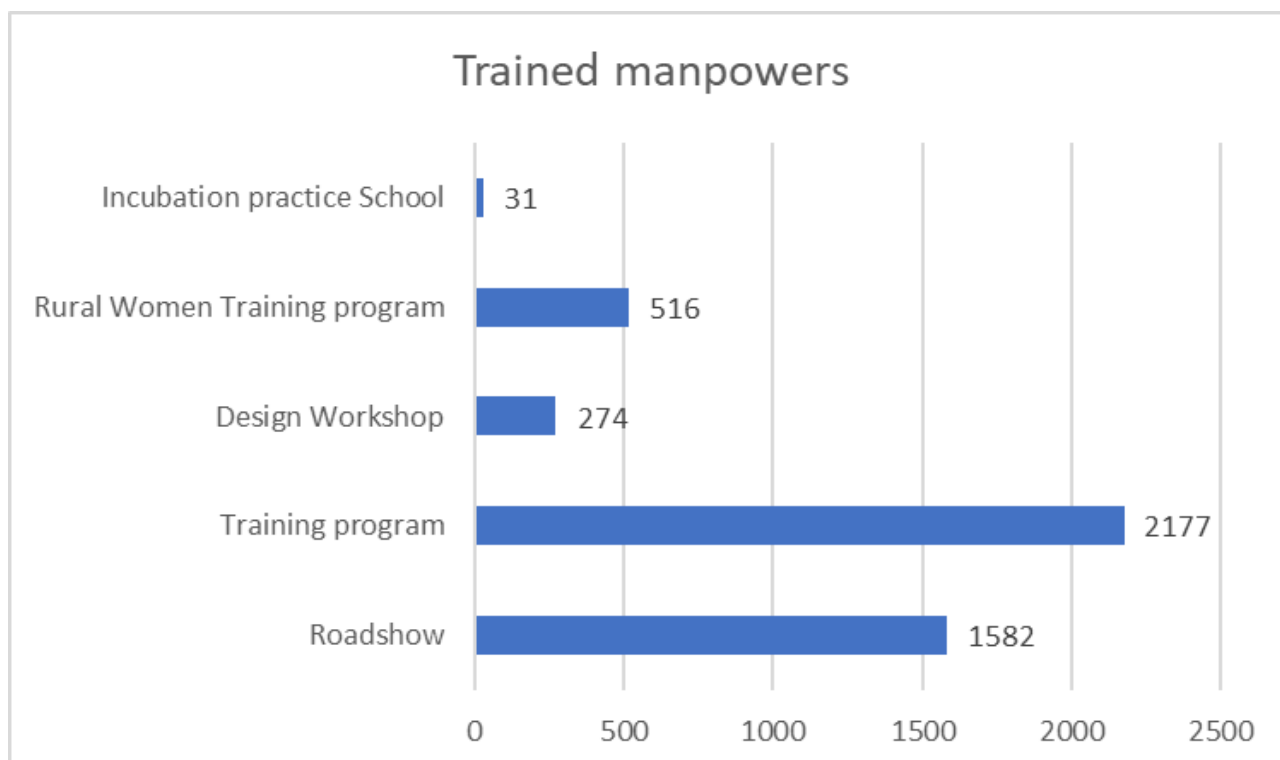
Offline: 3 (NE)
Online: 2

Incubation Practice School

Online: 1 (NE)



* The virtual program were conducted due to the covid pandemic and travel restriction



Boosting the Entrepreneurial Ecosystem in E & NE

4580+ Innovators

reached out during (2019-2022) through awareness programs such as Roadshows, Training Programs and Design Workshops to excite them about Bio-entrepreneurship and different funding opportunities of BIRAC available to promote innovation and product development.

25+ Individuals Supported – BIG and BIG NE

From E & NE region were selected for providing the financial assistance under the BIG & BIG NE special call. A sum of 15 crore was awarded to the selected grantee to validate their idea and technology.

Collaborative Efforts

- A joint project proposal submitted through DBT in collaboration with NEHU Tura Campus, KIIT-TBI and AAU, Anand and got sanctioned for Rs. 139.068 Lakh.
- Help in establishment of two new BioNEST incubators at CSIR-NEIST Jorhat and NEHU Tura Campus, another three institutes namely Tripura University, Pandit Ravi Shankar Shukla University, Rajiv Gandhi University and Manipur University are also providing mentor support for establishment of BioNEST incubator.

Signing of MoUs : 15 Institutes

With eminent institutes like IASST Guwahati, NIPER Guwahati, Manipur University, NEHU, Tura Campus, Tripura University, Rajiv Gandhi University, Itanagar, College of Fisheries, CAU, Manipur Technical University, Imphal, DM College of Science, Imphal, Guwahati Biotech Park, and Green Foundation, Imphal promoting entrepreneurship and technology development.

New Initiative

Mapping of Change Makers of Northeast Region was launched to identify the budding entrepreneurs and prepared a compendium of the region. The top 3 in each category were awarded with cash incentive. **4 of the finalist got the BIG 18 Grant**

34

**Mentors Onboarded
from NE**

85

**NE Start-ups
handholding**

20 +

**Institutes in E & NE
reached**

Biotechnology Ignition Grant - North East Special Call Awardees



Dr Lipi B Mahanta
IASST-Guwahati



Dr Lightson Ngashangva
IIT Guwahati



Mr Nilotpall Baruah
IIT Guwahati



Mr Sudarshan Gogoi
IIT Guwahati



Ms Geetashori Yumnam
Green Biotech EcoSolutions,
Manipur



Mr Deepak Bharadwaj
BioNEST-NIPER
Guwahati



Ms Melinda Nongbet Sohleng
NEHU Shillong



Dr Pynskhem Bok Swer
NEHU Shillong



Dr Prachurjya Dutta
CSIR-NEIST Jorhat



Dr Sanjay K Banerjee
Farmgram Foodbev,
Guwahati

Biotechnology Ignition Grantee from NE – 17,18 & 19



Dr. Ajanto Kumar Hazarika
TRI-Tocklai



Dr. Madhulekha Gogoi
CSIR-NEIST, Jorhat



Dr. General Thiyam
Manipur



Dr. Ananya Barman
IASST-Guwahati



Dr. Gaurav Jerath
PepThera Laboratories,
Guwahati



Dr. Chingakham Chinglenthoba
Manipur



Aeroshil Nameirakpam
Manipur

Biotechnology Ignition Grantee from East – 17

Akash Bihari Pati
Odisha

Abhishek Dutta
West Bengal

Mr. Debasis Tripathy
Odisha

Dr. Shyamali Dutta
Chhattisgarh

Mr. Vikramaditya Tirthani
Chhattisgarh

Dr. Swadheena Patro
Odisha

Biotechnology Ignition Grantee from East – 18

Atul Anand Bajoria
Odisha

Dr. Neera Singh
Odisha

Dr. Sikha Mandal
Odisha

Mr. Mrutyunjaya Sahu
Odisha

Biotechnology Ignition Grantee from East – 19

Sangita Sriraman
Odisha

Saurya Kumar Mishra
Odisha

Mapping the Changemakers of North East Region

Featuring a total of 51 changemakers from various states of NE

The distant parts of India often find it difficult to claim their place in star startup destinations like Mumbai, Delhi, Bangalore & Hyderabad, etc. However, things are progressing now with a new ecosystem emerging from the land of mystical elegance and beauty-The North East of India. Northeast India is fast emerging as a one-of-a-kind startup ecosystem and with the central government pushing for development in the North East, the potential for startups in the eight north-east states has significantly increased over the past few years. One such effort has been made by BIRAC Regional Techno-entrepreneurship promotion Centre (BRTC), an initiative of BIRAC and BioNEST of KIIT-TBI, to build and nurture the startup ecosystem in the Northeast Region of India and it is called as "Mapping the Changemakers". As a step towards building an Innovation Ecosystem in NER, it endeavors to identify young & budding innovators with a translational scientific temperament and build a strong platform for networking crosstalk & collaboration.

Program Category

Under Changemakers we had four categories. Candidates were Indian citizens from the Northeastern states (Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, and Tripura).

Category 1: Master Students (Pursuing/Completed)

Category 2: PhD Scholars and Post Doctoral Fellows (Pursuing/Completed)

Category 3: Faculties / Scientists

Category 4: Startup Companies less than 5 years old

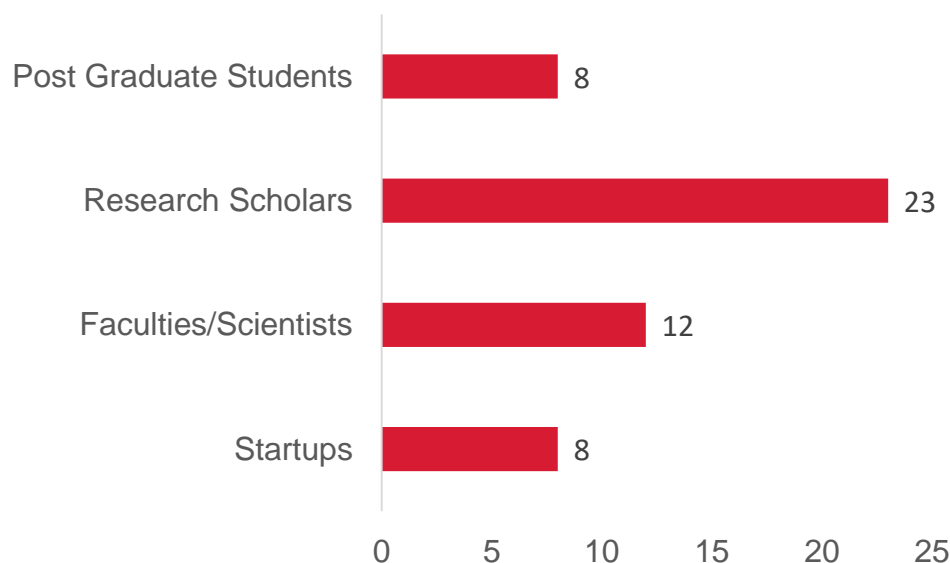
Program Evaluation Criteria

- Technical Background of the Project Leader/Team
- Technical and commercial viability of the Project
- Need in context of NER or Implementation in NER

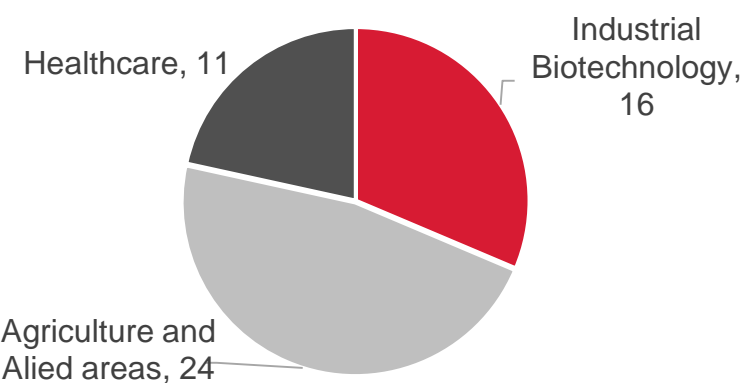
Downloads

[Program Flyer](#)
[Program Video](#)
[Program Brochure](#)

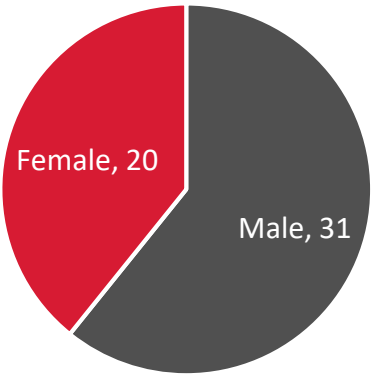
Participants' Background



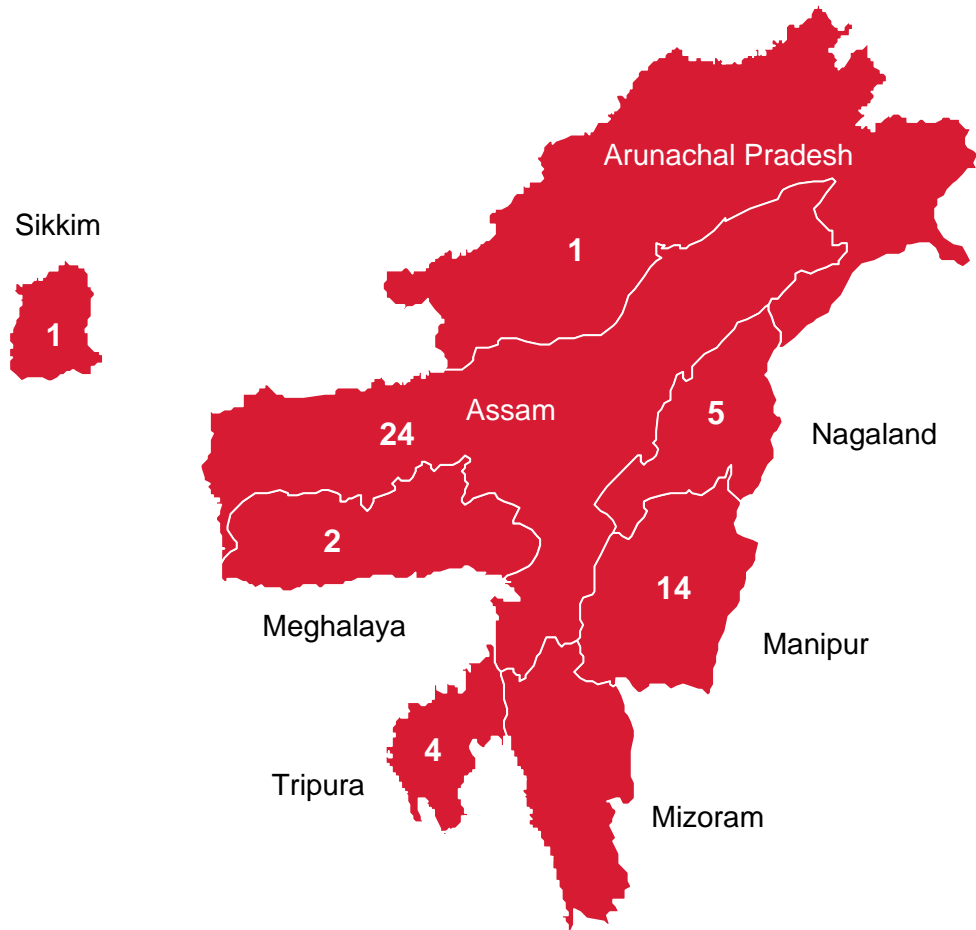
Thematic distribution of the applicants



Gender ratio



State wise applications





Winners

Category 1: Master Students (Pursuing/Completed)



Mr. Ajoy Modak

Project: : Use of Ramie waste for mushroom cultivation
State: Tripura



Mr. Apurba Gohain

Project: : Investigating the Sustained-Release behavior of cellulose nanofibers embedded urea-formaldehyde resin microcapsules containing a model agrochemical
State: Assam



Ms. Puja Devi Yumnam

Project: : To identify the most efficient starter culture of traditional fermentation process of soybean (Hawaijar) and to upgrade its nutritional value for commercial production.
State: Manipur

Category 2: PhD Scholars and Post Doctoral Fellows (Pursuing/Completed)



Mr. Apurba Das

Project: Development of hybrid ferroelectric-piezoelectric biocompatible ceramic composite for high performance biological coatings in implantable devices and bio-electronic gadgets.
State: Assam



Dr. Ananya Barman

Project: Bioprospection of microbial metabolites of a tea rhizobacteria BTA27 for Tea (*Camellia sinensis* L Kuntze) blister blight control.
State: Assam



Mr. Sujit Das

Project: Impact of "Chubitchi" (fermented rice beverage of Garo Tribes, Meghalaya) in management of Antibiotic Associated Diarrhea
State: Meghalaya



Dr. Subham Banerjee

Project: Extrusion based customized biofilaments processing for fused-filaments 3D printing pharmaceutical applications

State: Assam



Dr. Mrityunjoy Mahato

Project: Development of Continuous Mode Hydrothermal Carbonization (CM-HTC) Reactor for Processing of Wet Biomass Waste of North East into Value Added Products

State: Meghalaya

Category 3: Faculties / Scientists



Dr. Temin Payum

Project: Antihypertensive Herbal Drink

State: Arunachal Pradesh



Sanajing Sana Thambal

Project: Eco-friendly approach to produce garments from lotus fiber

State: Manipur



PepThera Laboratories Pvt. Ltd.

Project: Biomolecules for Prevention of Hospital Acquired Infections

State: Assam

Category 4: Startup Companies less than 5 years old



RogNidaan Pvt. Ltd.

Project: Oral scanner-An automated system to detect oral dysplasia

State: Assam



Brahmaputra TechnoPharmaceuticals Pvt. Ltd.

Project: Smart N95 Mask using Activated Carbon from Waste Tea Leaves

State: Assam

NE India Launchpad

The Business Idea Competition

KIIT-TBI, NIDHI CoE at KIIT-TBI and BRTC initiated the program “**The NE India Launchpad**” under MeitY TIDE 2.0 Program, a unique business idea competition wherein startups and innovators go through a two days boot camp followed by a month of coaching and finally pitching. The program taps into the potential of budding entrepreneurs and innovators, laying the foundation for creating new enterprises in NE India. This will also help them network with relevant mentors and accelerate their entrepreneurial journey. Assam Downtown University was the ecosystem partner for the program.

The focus sectors for the call for applications was on: Healthtech and Agritech.

Program Structure

Round 1: Boot Camp | 2 Days

Create a rock-solid business plan and perfect your pitch along the way.

Round 2: Coaching | 1 Month

Attend three intensive coaching sessions. Perfect your pitch, value proposition, and business model.

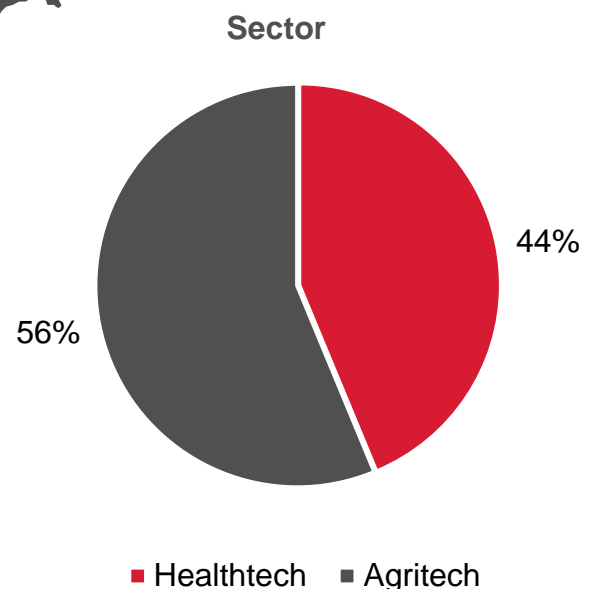
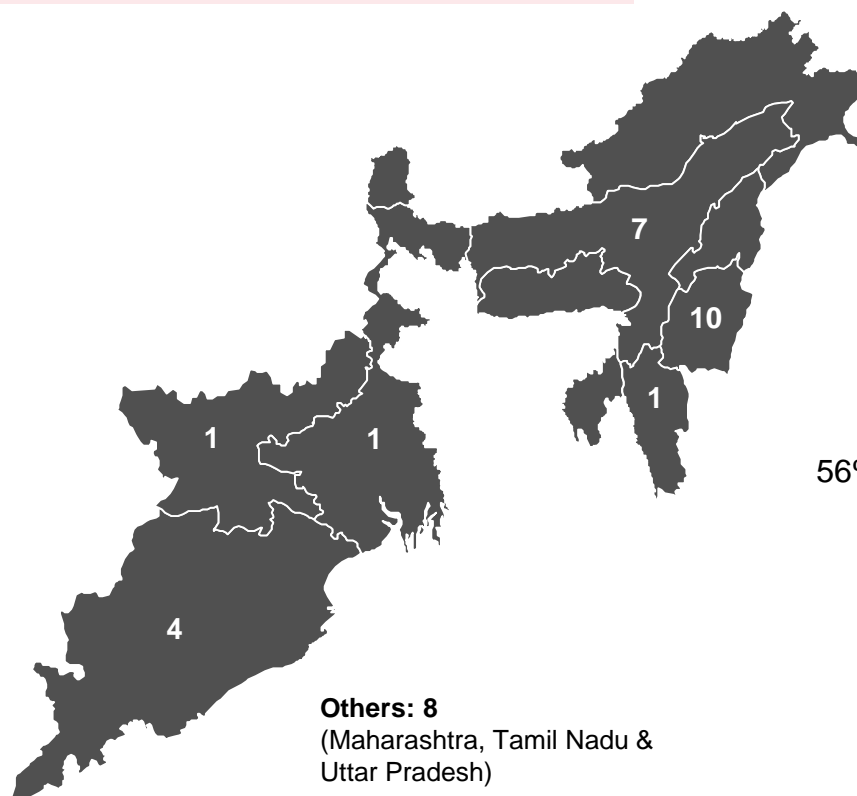
Round 3: Grand Final

Pitch in front of the Jury and win a chance to get funded upto 10 lakhs in form of a fellowship or grant.

Applications Received: 32

Individual: 17 | Startups: 15

[Program Flyer](#)



Roadshows

Roadshows are one of the important activities of BRTC and sensitizes the people about the various opportunities available for venturing into entrepreneurship. This program is a one-day program design in such a way to create awareness and sensitize budding entrepreneurs of East and Northeast about various funding schemes available under BIRAC and other government agencies. Annually 6 roadshows need to be organized across the region. In the last three years 16 roadshows were organized across the region and out of which seven were organized in the first year and two in the second year and another seven in the current year. The details of the program are

S No	Date	State	Host Institute	No of Participants
2019-2020				
1	29-Jun-2020	Meghalaya	NEHU, Shillong	46
2	12-Jul-2020	Tripura	Tripura University, Agartala	55
3	29-Jul-2020	Assam	CSIR-NEIST, Jorhat	155
4	30-Jul-2020	Assam	Tezpur University, Tezpur	50
5	8-Aug-2020	West Bengal	Adamas University, Kolkata	34
6	9-Aug-2020	West Bengal	Sister Nivedita University, Kolkata	166
7	29-Aug-2020	Chhattisgarh	Pandit Ravi Shankar University, Raipur	134
2020-2021				
1	29-Jan-2021	Arunachal Pradesh	Rajiv Gandhi University, Itanagar (Virtual)	74
2	17-Mar-2021	Manipur	Manipur University, Imphal	150
2021-2022				
1	11-May-2021	Mizoram	Mizoram University (Virtual)	45
2	6 July 2022	Nagaland	Nagaland Tool Room & Training Centre (Virtual)	73
3	15 July 2022	Manipur	Manipur Technical University (Virtual)	190

S No	Date	State	Host Institute	No of Participants
4	30 July 2021	Meghalaya	University of Science & Technology in Meghalaya	60
5	6 August 2021	Assam	Down Town Venture Lab	80
6	7 September 2021	Sikkim	Sikkim state council for Science & Technology	50
7	13 September 2021	West Bengal	Haldia Institute of Technology	220

Capacity Building Training Program

The training program is a two-day capacity building program structured like a follow up session of the roadshows. Under this program, the main focus is on budding innovators and entrepreneurs to impart them the necessary skill set and knowledge for transforming their innovative ideas into successful & sustainable ventures. Six such programs need to be organized annually. In the first year 4 training programs were conducted and in the second year, 18 virtual training programs and in the current year another 3 programs were organized virtually due to the restriction in the travel movement and gathering of people across the region due to the COVID Pandemic.

S No	Date	State	Host Institute	No of Participants
2019-2020				
1	29-Jun-2020	Assam	CSIR-NEIST, Jorhat	73
2	12-Jul-2020	Bihar	Patna University, Patna	106
3	29-Jul-2020	Jharkhand	Vinoba Bhave University, Hazaribagh	120
4	30-Jul-2020	Assam	IASST, Guwahati	128
2020-2021 (Virtual)				
S No	Date	Topic	Speaker(s)	No of Participants
Basic Entrepreneurship				
1	12-May-2020	Design Thinking & Prototyping	Dr. Guruprasad Kuppu Rao, Director & Mentor at Imaginarium India	273
2	16-May-2020	Intellectual Property Rights to Protect Innovations	Dr. Bijay Kumar Sahu, Regional Manager (IPFC & TISC), NRDC	74
3	30-May-2020	Reimagining Business Models	Kaustubh Dhargalkar, Innovation & Strategy Consultant, Design Thinking Coach and Founder at Potentials & Possibilities	56
4	6-Jun-2020	Sustainable Competitive Advantage: Key to Success for New-age Entrepreneurs	Reena Bhattacharya, New Age Entrepreneur & Founder at Renuto Consulting	62
5	8-Jun-2020	Regulatory Issues in Clinical Studies of Drugs, Pharmaceuticals and Devices	Dr. Ravindra Ghooi, Director, Scientia Clinical Services	67

S No	Date	Topic	Speaker(s)	No of Participants
Basic Entrepreneurship				
6	22-Jun-2020	Exit Strategies for Start-ups	Dr.Suchita Markan, Asstt. General Manager	112
Boosting Sustainable Agriculture & Agri Entrepreneurship				
7	31-May-2020	Hi-tech Organic Farming and City -Eco Village Concept	Dr. A.S. Rajput, Regional Director, Regional Center for Organic Farming, Gol	68
8	20-Jun-2020	Fishery and Aquaponics in North East: Latest Technology and Equipment	Dr.Sonali Roy, Incubation Manager, NIPER-Guwahati	61
9	22-Jun-2020	Scope of funding opportunities and Institutional Ecosystems for Agri-startups	Dr.Danish Tamuly, Director, NEATEHUB, Assam Agricultural University	72
10	25-Jun-2020	IoT Devices for Remote Monitoring and Tracking	Dr. Goutam Saha- Prof, NEHU, Shillong and Mr.Ajoy Chakraborty- Former Secretary IASST,Guwahati	68
11	26-Jun-2020	Strengthening of Seed System in the North East	Dr. Partha R Dasgupta, Advisor Emeritus at Syngenta Foundation for Sustainable Agriculture	62
12	27-June-2020	The Promising Spices of North East India	Dr. A S Rajput, Regional Director, RCOF, Gol, Bhubaneswar	71
13	30-June-2020	Affordable Technology Solutions for Efficient Farming	Dr. Hansa Jeswani-EMF Coordinator and prof, SPCE and A.K. Chakraborty- Former Secretary, IASST, Guwahat	55
14	2-July-2020	Cultivation of Medicinal Plants	Dr.Sonali Roy, Incubation Manager, NIPER-Guwahati	60
Boosting Livestock Production Management Series				
15	19-Jun-2020	Disease Management and Diagnosis in Cattle	Dr.Shoor Vir Singh, Prof. & Head, Dept. of Biotechnology, GLA University	54
16	23-June-2020	Pest and Disease Management	Dr.Deepa Bhagat, Scientist, ICAR	63
17	24-June-2020	Nutraceuticals and Probiotics using indigenous resources of North East	Dr. J B Prajapati-Principal Scientist-Anand Agricultural University, Dr. Subroto Hati- Asst. Prof. Anand Agricultural University and Dr. Birendra Kr Mishra-Asst. Prof. NEHU, Shillong	47
18	29-Jun-2020	Technological & Entrepreneurial Innovations in Post-harvest Fisheries with focus on Drying, Dehydration and Chilling Technologies	Dr. Manoj P Samuel, Principal Scientist, ICAR	59

S No	Date	State	Host Institute	No of Participants
2021-2022				
1	11-12 October 2021	Chhattisgarh	Pandit Ravi Shankar Shukla University, Raipur	180
2	17-18 December 2021	Assam	Guwahati Biotech Park	49
3	27-28 January 2022	Bihar	Central University of South Bihar	140
Upcoming				
1	2-3 March 2022	Meghalaya	NEHU, Tura Campus	-
2	25-26 March 2022	Assam	Assam University, Silchar	-

Design Workshops

The design workshop is an advanced two-day extensive program focused on essentials of product design and business development for early-stage startups. The aim of this program is to identify the budding startups of the region and provide handholding and mentoring support by domain experts to promising early-stage startups to scale up their product to a higher Technology Readiness Level (TRL). In the first year one design workshop was conducted at NIPER, Guwahati and in the second year four such programs were conducted. The details are given in the table

S No	Date	State	Host Institute	No of Participants
2019-2020				
1	27 - 28 Feb-2020	Assam	NIPER, Guwahati	78
2020-2021				
1	13 - 14 Oct-2020	NE States	BRTC (Virtual)	64
2	15 - 16 Oct-2020	NE States	BRTC (Virtual)	44
3	10 - 11 Nov-2020	NE States	Tripura University (Virtual)	46
4	19 - 20 Mar-2021	Manipur	Manipur University	42

Training Program for Rural Women Entrepreneurs

The role of rural women in nation building is significant and their active participation in various social activities is essential for transforming the region into a self-reliant ecosystem. The training program on rural women entrepreneurs aims to provide the necessary skills and technology to utilize their traditional knowledge with the biotechnology intervention. The training is a three-day program aimed to effectively improve their socio-economic state by skill development training using the indigenous resources available. In the first year, two such programs were conducted and four programs were organized in the 2nd year and another two programs were conducted in the current financial year. A total of 8 programs has been completed.

S No	Date	Venue	Training On	No of Participants
2019-2020				
1	9-11 Nov-2019	Imphal West, Manipur	Extraction of Natural Dye and Block Printing	54
2	19-21 Feb-2020	Durg, Chhattisgarh	Mushroom Cultivation, Post-Harvest Management and Preservation	69
2020-2021				
1	13 - 14 Oct-2020	Delang, Puri, Odisha	Cultivation techniques and value addition of Mushroom	52
2	15 - 16 Oct-2020	Chikiti, Ganjam, Odisha	Millets to Noodles Training	46
3	10 - 11 Nov-2020	Jajpur, Odisha	Mushroom Cultivation & Preservation Techniques and value added products for locally grown Groundnuts	150
4	19 - 20 Mar-2021	Imphal West, Manipur	Value added products of Chakhao (Scented Black Rice)	55
2021-2022				
1	27-29 December 2021	Patharkhmah Community Hall, Ri Bhoi District, Meghalaya	Mushroom Cultivation and Value addition of Mushroom Products	40
2	28-30 December 2021	Livelihood Institute, Rani Block Assam	Mushroom Cultivation and Value addition of Mushroom Products	50

Roadshows on Essentials of Techno-Entrepreneurship

The Roadshows are very much essential for motivating the entrepreneurs. The innovators, young entrepreneurs and academicians of the East and Northeast region lack the awareness or information about the various opportunities provided by government for starting a career in entrepreneurship. Roadshows sensitizes the innovators about various funding opportunities of BIRAC and other government agencies for starting a venture. The program also highlighted the technologies available among various research institutes like IIT, CSIR and central universities across sectors for commercialization and technology transfer for large scale production of the technology for the benefit of the society.

Roadshow is a one-day event and is primarily divided into four sessions. These sessions are delivered by industry and domain experts as well as by successful entrepreneurs. The first session generally discusses the essential aspects of entrepreneurship vis-à-vis other established career options and various BIRAC funding schemes for every stage of innovation and technology development and also incubation, acceleration and mentoring support provided through KIIT-TBI.

The second session focuses on BRTC programs and opportunities offer to bio entrepreneurs from East and Northeast. This is followed by third sessions highlighting various aspects of entrepreneurship and covers topics such as “identifying problem statement”, “opportunities in the area of food, Agri, health & nutrition”, elements for translation of research idea into novel products/process, “Tips for building a sustainable life science enterprise”. In the final session, bio-entrepreneurs who have been earlier supported by BIRAC are invited to share their experience, trials, and tribulations of their entrepreneurial journey.

Due to the ongoing COVID 19 pandemic which restricted travel and public gathering, the number of roadshows organized is 16, 7 in first year, 2 in second year and another 7 in the current year. The roadshows for the previous and current year were organize virtually. A total of 1582 participants attended and enriched their skills and knowledge about the various opportunities and avenues provided by the central government agencies for people coming up with innovative idea with relevance to the societal need.

Outcomes:

1. 15 MOU's were signed with various institutes and organizations from the region for long term collaboration in the field of Research and Development and also mentoring for establishment of BioNEST incubator.
2. The road show helps to connect with institutes and also provide a platform for those looking for funding to kickstart their entrepreneurship journey.
3. Roadshows attract the 2nd highest number of participants among all the programs of BRTC.
4. KIIT TBI through BRTC is working as mentor incubator for CSIR-NEIST, Jorhat, NEHU Tura Campus & Guwahati Biotech park, Further, a number of institutes is being supported for establishment of incubators from various agency including BIRAC.

Capacity Building Training Program

Building & Translating Innovative Ideas

The two-day structured capacity building training programs are designed to share knowledge on basic skills of entrepreneurship. During the first year, four programs were conducted across East and North East. In the second year, due to covid pandemic, the program was virtually conducted on three important broad topics were covered like **(1) Basic Entrepreneurship, (2) Livestock production management and (3) Agriculture & Agri Entrepreneurship management**. Under these three themes, a total of 18 programs were conducted- six under entrepreneurship, eight under livestock production and four under agri management series.

In the third year, the program was focus on innovation and entrepreneurship and three programs has been conducted so far and another two program in the pipeline.

Majority of the speakers/experts of the program had previous experience and knowledge about the region specific advantages and disadvantages. As most of the participants were from diverse background, it was imperative for them to understand the fundamental of these specialized domains.

The objective of these training series was to enable and empower bio-entrepreneurs through business and technology advice and mentorship covering wide aspects of ideation, prototyping, product development, business plan & go-to-market strategies and also help them identify the areas where they can start their entrepreneurial journey. Considering the rich resources, the livestock production and agri management series was held to boost the region and help the farmer with the prerequisite knowledge to leverage the huge potential in the region.

A total of 2177 participants and an average of 87 participants in each training program have attended the 25 training program mostly from East and Northeast region. The participant have gained new skills and avenues for starting their entrepreneurship journey and majority of the them were students, individuals, faculty members and aspiring entrepreneurs.

The feedback from the participants highlighted the need of such program especially for the east and Northeast region. Overall the series of online training program has provided the much essential skills and information when the physical activities were restricted due to the on going pandemic.

Outcomes

1. The training program is the most widely conducted program among all the BRTC programs.
2. A total of 2177 attended the 25 training programs conducted during the last three years. At the end of each of the training programs, the participants gained the new knowledge and skill and got a clear and broader picture of the entrepreneurship and innovation ecosystem.
3. The program was well attended by participations from almost all the states in India and few from abroad.

Design Workshops

Catalyzing and Translating Innovations to Market

The design workshop was organized with the goal to discover the young entrepreneurial potential and handhold them for a successful career. The workshop mainly focused on ideation tips with societal and business potential leading to sustainable product design business design. A creative, hands-on sessions by the domain experts help individual to hone their design thinking and pitching skills.

This event helps individuals, early stage innovators and startups to understand the design thinking process starting from ideation and how it can be applied to business model design for proper functionality, prototyping and manufacturing, regulations, visual appeal and affordability.

The workshop also covers important topic like IPR, regulatory requirements for different products development to first-generation scientific entrepreneurs.

The first day of the program is dedicated to sessions on ideation, problem statement and business plan development.

The program also discussed on the core topics like prototype design and the important points to consider including visual appeal, user-friendliness, packaging, affordability, appropriateness, performance, sustainability, importance and protection of IP (Patents, Copyrights & Trademarks), prior art search, regulatory & safety guidelines and approvals.

The second day includes design thinking, creative idea generation and user -centered design approach and problem solving. This points are vital for finding out the viability of the product and profitable business.

The important component of the event is the Ideathon/hackathon, where individual/team identify a problem statement and deduce a solution and pitch their ideas in front of the mentors.

BRTC witnessed a total of 274 participants for 2 offline and 3 online design workshops.

Programs Conducted

S No	Date	Host	No of Participants
1	27-28 February 2020	NIPER, Guwahati (Physical)	80
2	13 - 14 Oct, 2020	BRTC (Virtual)	64
3	15 - 16 Oct, 2020	BRTC (Virtual)	44
4	10 - 11 Nov, 2020	Tripura University (Virtual)	46
5	19 - 20 Mar, 2021	Manipur University (Physical)	42

Training Programs for Rural Women Entrepreneurs

Rural women are key components for development of a society. They played a catalytic role towards achievement of economic, environmental and social changes required for sustainable development. With this aim BRTC would like to impart training program among the rural women of east and Northeast and help them get funding opportunities from various government agencies to improve their socio-economic conditions and bring about a societal change in empowering them.

The training program is for 3 days. The first day is dedicated to discussing with the participants about schemes and opportunities for women entrepreneurs and the next two days on hands-on training to enhance their skills.

Through this program, BRTC has collaborated with the National Innovation Foundation (NIF) and SFURTI (Scheme of Fund for Regeneration of Traditional Knowledge), MSME for identification of clusters to provide financial assistance through the various funding schemes of the central government.

Since its inception, BRTC has organized 8 such training programs. 2 in first year, 4 in 2nd year and another 2 in the current year.

Out of the 8 training program on rural women entrepreneurs, two program were organized in the first year one in Durg on Mushroom cultivation and second one at Imphal west on block printing and use of natural dyes in textiles.

Out of the 4 training in the 2nd year, the first training program was organized on tropical mushroom cultivation in Delang, Puri District where more than 52 women were trained by the expert Ms. Kadambini Ray. The second program was on production of noodles from millet in Ganjam district of Odisha. A total of 46 women were thoroughly trained by Mr. Surjya Dakua during the program. The third training program was on mushroom cultivation and preservation techniques and value-added products of locally grown groundnuts and a total of 150 women attended. Mrs. Pushpalata Panda and Ms. Kadambini Ray were the trainer. The fourth training program was conducted in Nambol of Imphal West District. The training was on value addition of Chakhao (the black scented rice of Manipur). A total of 55 women participated in the said program. Ms. Rinita Thiyam from Green Foundation gave a proper hands-on learning experience to the rural women during the training. In the 3rd year, the two-training program were on mushroom cultivation and value addition in Rani Block of Assam and in Ri Bhoi district of Meghalaya. The program was partnered with Mushroom Development Foundation and Mr. Pranjal Baruah along with his staff provided the two days training along the practical application.

These training programs provided the necessary skills to make the local women self-sustained and also help the group in building a cluster and get financial assistance from SFRUTI.

Outcomes

BRTC collaborated with SFURTI and NIF in promoting traditional knowledge and identifying grassroots innovations. During these programs, a group of clusters were identified for mentoring and providing financial support.

1. A total of 516 rural women across East and North east were provided the training on various themes and get benefit out of it.
2. BRTC is assisting Mushroom Development Foundation for setting up of SFRUTI cluster in Assam, Meghalaya and West Bengal.
3. BRTC and SFRUTI are trying to develop MSME cluster to provide financial assistance and jobs and overall upliftment of the region

Programs Conducted

S No	Date	Venue	Training On	No of Participants
2019-2020				
1	9-11 November 2019	Imphal West, Manipur	Block printing and the use of natural dye	54
2	19-21 November 2019	Durg, Chhattisgarh	Mushroom cultivation techniques and food processing	69

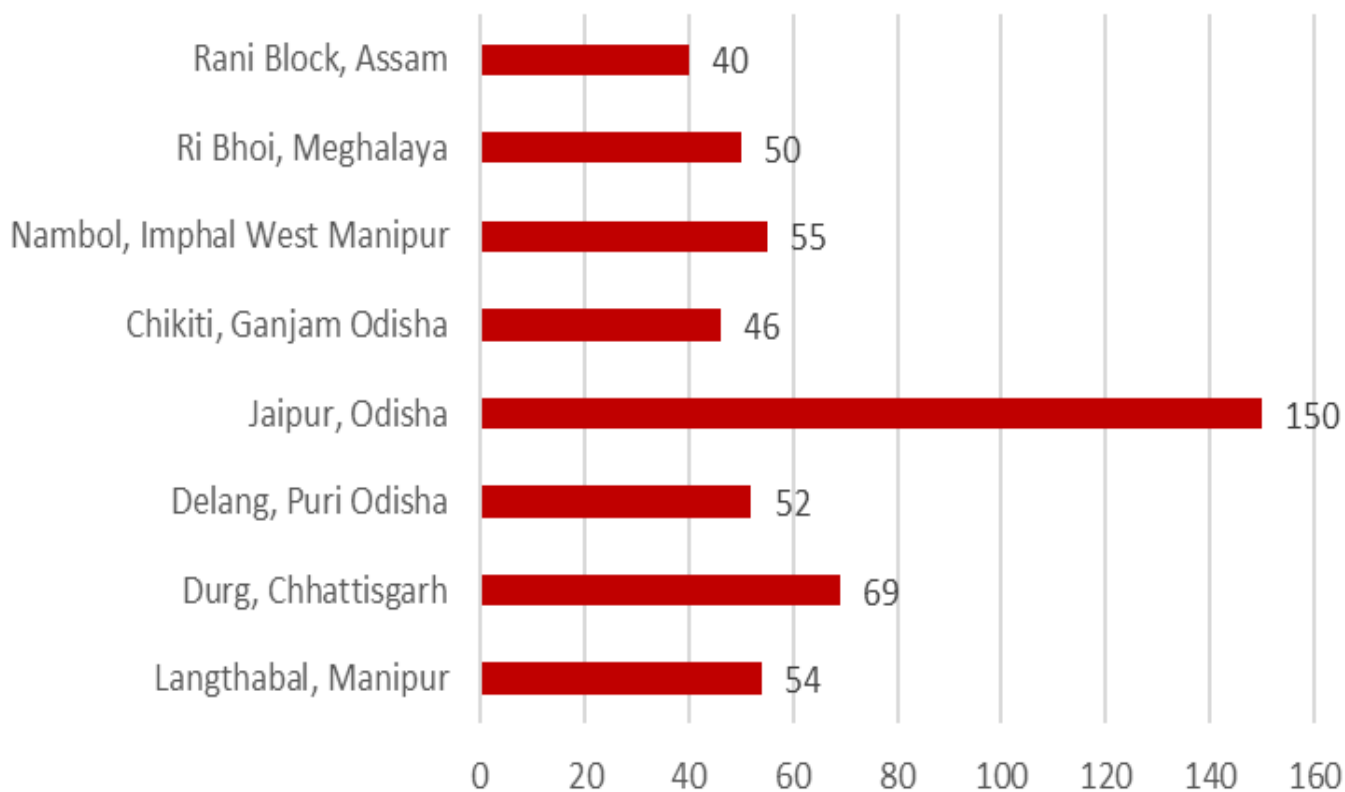
2020-2021

1	15 - 17 Jan 2021	Delang, Puri, Odisha	Cultivation techniques and value addition of Mushroom	52
2	28-30 Jan 2021	Chikiti, Ganjam, Odisha	Millets to Noodles Training	46
3	14-15 Mar 2021	Jajpur, Odisha	Mushroom Cultivation & Preservation Techniques and value added products for locally grown Groundnuts	150
4	18-20 Mar 2021	Nambol, Imphal West, Manipur	Value added products of Chakhao (Scented Black Rice)	55

2020-2021

1	27-29 December 2021	Ri Bhoi District, Meghalaya	Cultivation of Mushroom and value added products of Mushroom	50
2	28-30 December 2021	Rani Block, Assam	Cultivation of Mushroom and value added products of Mushroom	40

Number of Participants



Incubation Practice School

Building the Next generation Managers

To enriched the economy of the country and provide employment to the youths of the region a number of Incubators have been established by BIRAC and other agencies. As this is a newly established one, there is a need to train and handhold the managers on running the incubation center successfully so that it can fulfill the mandate.

BINER-2021: Building Sustainable Incubator Ecosystem in North East Region is an online training series designed for business incubation mangers and relevant stakeholders, particularly from the NE region wishing to increase their understanding and know-how of the incubation process to help build them their capacity and influence the success of their incubators. The modules would give a 360-degree holistic view to incubation managers who are seeking to understand the building blocks of establishing and running a sustainable Incubator. This training session is not only for (potential) managers and staff members of business incubators, but also for representatives of (potential) stakeholder organizations.



Objectives

- Conceptualize ideas to start their own incubators.
- Building a favorable work culture at incubation center
- Fix Target and Milestones for incubator
- Understand the key principles for sustainable Incubator
- Various Partners and Investors

Date: 26-29 May 2021

Time: 11:00 AM -04:30 PM

Speakers



Dr D. Yogeswara Rao
Former Adviser, O/o PSA to Govt



Dr Manish Diwan
Head-Strategic Partnership & Entrepreneurship Development, BIRAC



Ms Taranjeet Kaur
Manager-Entrepreneurship Development, BIRAC



Dr G. Narahari Sastry
Director, CSIR-NEIST, Jorhat



Dr USN Murty
Director & Chairman, BioNEST NIPER Guwahati



Dr Mrutyunjay Suar
CEO, KIIT-TBI



Dr V. Premnath
Head, NCL Innovations & Director, Venture Center



Ms Soma Chattopadhyay
Head Incubation & Mentoring, Venture Centre



Dr Sriparna B Baruah
Head, Centre for Industrial Extension, IIE Guwahati



Dr Shriram Raghavan
VP, Jananom Technologies



Dr Namrata Misra
Head Bioinnovations, KIIT-TBI



Dr Shikha Dhawan
Director Programs, SHARE India



Mr Rajneesh Kumar
Technology Transfer Officer, BITS, Pilani



Mr Vinay Mehta
Head-Technology Transfer Office, KIIT-TBI

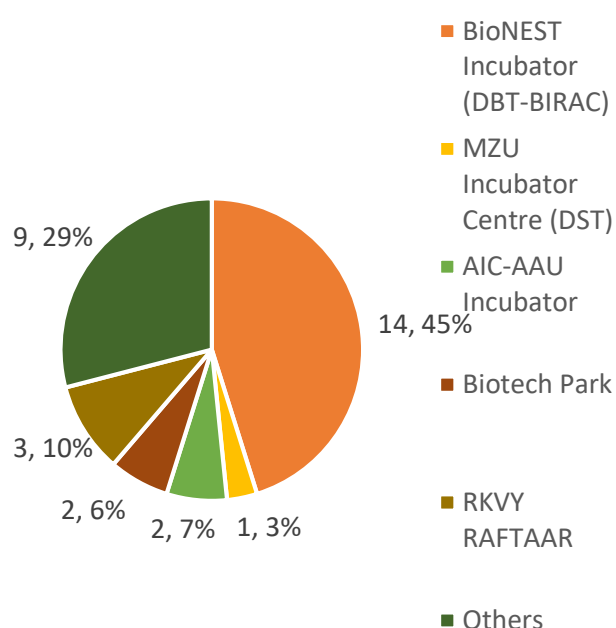


Mr Asutosh Nanda
Lead-Technology Enabling Centre, KIIT University

A total of 31 participants from 19 institutions located across the North Eastern states attended the program. The participants includes managers, Directors, CEO, Scientist, Scientific officers and incubation manpower from the 7 BioNEST incubators along with Atal Incubation Centre, North East Agriculture Technology Entrepreneurs Hub.

The 4 days of the program was deliberated by a number of well known speakers from diverse field. A total of 15 eminent speakers share their experience and knowledge with the participants. The important topics covers includes Role of BIRAC enabling ecosystem in promoting innovation & entrepreneurship in North Eastern Region, Important elements for building a sustainable incubation centre, Funding support from BIRAC, Kickstarting an incubator, building pipelines for Technology Business Incubator, Building the business plan & Sustainability path of Incubator, Empowering startups: role of mentorship, Best Practice in Technology Incubation and learning and Experience sharing.

Incubator Type



Institutes

Name of the Institutes

Assam	
CSIR-NEIST, Jorhat	2
Guwahati Biotech Park	2
Cotton University, Guwahati	1
IIT Guwahati	2
IASST Guwahati	2
NIPER Guwahati	2
Tocklai Tea Research Institute	1
North East Agriculture Technology Entrepreneurs Hub (an AIC-AAU Incubator)	2
Manipur	
IBSD Imphal	1
Green Foundation	2
MSME Technology Centre Imphal (GOI)	2
Meghalaya	
IBSD Shillong	1
NEHU Tura Campus	2
Mizoram	
Mizoram University BioNEST (DBT)	2
Mizoram University Incubator (DST)	1
Nagaland	
Nagaland Tool Room and Training Centre	1
Sikkim	
Department of Science & Technology, Govt. of Sikkim	1
Tripura	
RKVY RAFTAAR, CAU	3

East & North East BioNEST Cluster

Building the Next generation Managers

BIRAC identified that the incubators working in East and Northeast can accelerate the activities in the region and also to interact on research and innovation for economic growth of the region and work together as a cluster. The region will be get competitive advantage to three key components: employment, innovation, and productivity which will make the region a hub for bioeconomy in the country.

The goal of the cluster is to enhance interactions and provide opportunities for peer-to-peer learnings and build synergies in the East and Northeast Region. The East and Northeast Cluster is the youngest cluster among the eight clusters located across India.

The East and Northeast Cluster was launched on 20 May 2021 in presence of esteemed dignitaries including Dr. Renu Swarup, Secretary DBT & Chairperson BIRAC; Mr. G.S. Krishnan, President of ABLE; Dr. P.M.Murali, President Business Council ABLE; Dr. Manish Diwan, Head SPED BIRAC; Dr. Chhaya Chauhan & Ms. Taranjeet Kaur of BIRAC and leaderships of nine BioNEST incubators from East and North East region.

All the 9 BIRAC BioNEST cluster located in the eastern and North Eastern region of the country joined the program and deliberate the how we can grow together mutually for building a vibrant ecosystem in this two rich natural resources region

MISSION

To develop the biotech entrepreneurial ecosystem in East and North East region

CLUSTER MEMBERS

- KIIT-TBI BioNEST, Bhubaneswar
Lead Incubator
- Mizoram University BioNEST, Aizawl
- NIPER BioNEST Guwahati
- IASST BioNEST, Guwahati
- IBSD BioNEST & BRDC, Imphal
- IIT-G BioNEST, Guwahati
- NEHU BioNEST, Tura Campus
- CSIR-NEIST BioNEST, Jorhat
- ILS BioNEST, Bhubaneswar

BUILDING THE EAST & NORTH EAST BioNEST CLUSTER
Vigyan se Vikas - Showcasing Potential Journey and Impact of Biotechnology on the Society
AatmaNirbhar Bharat Abhiyan विज्ञान से विकास- सशक्त भारत

Time	Session Focus	Speakers & Enablers
1100-1105h	Welcome address & Introducing the E&NE BioNEST Cluster	Dr. Mutyunjay Svar, CEO, KIIT-TBI
1105-1115h	Saluting the "Sashakt Bharat Abhiyan"	Dr. Manish Diwan, Head-SPED, BIRAC
1115-1125h	Emerging Biotechnology in E&NE regions: The Roadmap	Dr. P.M.Murali, President, Business Council ABLE
1125-1135h	India's Biotechnology sector emerging towards AtmaNirbhar Bharat	Mr. G.S. Krishnan, President ABLE
1135-1145h	Odisha Biotechnology policy: Enabling Bioentrepreneurship	Sh. Manoj K Mishra, Secretary Sc & Tech Department, Govt of Odisha
1145-1150h	Launching the Cluster website and e-Brochure	By the Dignitaries
1150-1205h	Strengthening E & NE Biotechnology sector: Mission program of DBT & BIRAC	Dr. Renu Swarup, Secretary, DBT Govt & Chairperson, BIRAC
1205-1250h	Showcasing the Strength and Opportunities of BIRAC BioNEST E&NE Cluster members • ILS Bhubaneswar • CSIR-NEIST Jorhat • NEHU Tura Campus • IBSD & BRDC Imphal • IIT Guwahati • Mizoram University • IASST Guwahati • NIPER Guwahati • KIIT-TBI Bhubaneswar	Dr. Ajay Parida, Director, ILS Bhubaneswar Dr. G. Narahari Sastry, Director, CSIR-NEIST Jorhat Prof. G. Singhal, Pro Vice Chancellor, NEHU Tura Campus Prof. Pulek Kumar Mukherjee, Director, IBSD Imphal Prof. Dipankar Bandyopadhyay, Head-BioNEST, IIT Guwahati C. Lakshminaga, CEO-BioNEST, Mizoram University Dr. Devashish Chowdhury, Assoc. Prof., BioNEST-IASST Guwahati Dr. Sonali Roy, Incubation Manager, NIPER Guwahati Dr. Namrata Misra, Head Bioconnections, KIIT-TBI
1250-1310h 1310-1315h	Way forward for building the cluster & the expectations Rounding Up the session	Opinions from the Institutions leaderships Dr. Chhaya Chauhan, Manager Incubation, BIRAC

Join via: <http://bit.ly/enerbiocluster>

THURS | MAY 20 | 11 AM

BIRAC BioNEST E&NE Cluster Members

NE India launchpad

Identifying the Ignited minds in Agri & health tech

Meity in collaboration with the BRTC launched the first ever competition among the youths on business idea development. It is an online program in entrepreneurial creativity and problem solving in the sector of healthcare and agriculture innovation, and leadership for North East Innovators.

The Program includes

Boot Camp

Coaching and

Grand Final presentation

15 promising Northeast Entrepreneurs and Innovators who working in Agritech and Healthtech sector were shortlisted for this accelerator program supported by MeitY Startup Hub and BRTC A BIRAC-KIIT-TBI Initiative

Starting with Boot camp, these innovators went through an extensive Master Class and finally participate in the Demo Day where they pitched for upto 10 lakhs in form of fellowship or grant.

Official knowledge partner : Metaconnect Consulting was mentoring them throughout this program.

The poster for NE India Launchpad 2021 features a purple and yellow color scheme. At the top, it displays the logos of KIIT, TBI, and MeitY. The main title 'NE India Launchpad' is in large, bold letters, with the dates '19 June - 17 July 2021' below it. A central illustration shows a person climbing a ladder to reach a glowing lightbulb. The program is divided into three main sections: 'Boot Camp' (19-20 June), 'Master Class' (26 June-10 July), and 'Demo Day' (17 July). The 'Boot Camp' section lists six speakers and their topics: Dr. Aparajita Prasad (Idea Generation Workshop), Dr. Rajiv Kangabham (Funding Opportunities in NE), Ms. Shradha Saxena (IPR for securing ideas & processes), Mr. Ranjan Kumar (Go to Market Strategy for Early Stage Startups), Mr. Brijesh Shah (Agile Product Delivery for startups), and Ms. Nikita Bose (Valuations Methods & Funding Options for startups). The 'Master Class' section lists five topics: Breaking the Entrepreneurship Myth, Identifying the Problem, Building Market Research Capability, Creating the Business Plan, and Pitch & Pitching, each with a brief description. The 'Demo Day' section encourages participants to pitch their ideas to experts and investors for a chance to win up to 10 lakhs. At the bottom, it lists the supporting organizations: Ministry of Electronics and Information Technology, Government of India; MeitY Startup Hub; BRTC; Centre of Excellence; Metaconnect Consulting; and Ecosystem Partner.

NE India Launchpad
19 June - 17 July 2021

Speakers 19-20 June

Boot Camp

- Dr. Aparajita Prasad, Director, MetaConnect Consulting: Idea Generation Workshop
- Dr. Rajiv Kangabham, Manager BRTC, KIIT-TBI: Funding Opportunities in NE
- Ms. Shradha Saxena, Lawyer, Supreme Court of India: IPR for securing ideas & processes
- Mr. Ranjan Kumar, Strategic Advisor, Founder, IT Startups: Go to Market Strategy for Early Stage Startups
- Mr. Brijesh Shah, Delivery Head, SPEC India: Agile Product Delivery for startups
- Ms. Nikita Bose, CEO, Finance Crafter Enterprises: Valuations Methods & Funding Options for startups

Master Class 26 June-10 July

- Breaking the Entrepreneurship Myth**
 - Entrepreneurship & the Startup Ecosystem
 - Defining Entrepreneurship - Key Players of the Ecosystem
- Identifying the Problem**
 - Detailing the Problem Statement • Identifying the direct cause(s) of it
 - State significance: frequency, intensity, scale
- Building Market Research Capability**
 - Identifies User market segments effected by the Problem • Defines an end user profile • Find a persona that is close to end user profile
- Creating the Business Plan**
 - Do a SWOT for your business idea • Identify the Challenges
 - Define TAM
- Pitch & Pitching**
 - Tell a compelling story
 - Developing and Delivering a Sharp Pitch

Demo Day 17 July
Pitch your idea to experts & investors and win a chance to get funded of up to 10 lakhs in form of fellowship or grant.

Supported by
Ministry of Electronics and Information Technology, Government of India; MeitY Startup Hub; BRTC; Centre of Excellence

Knowledge Partner
Metaconnect Consulting

Ecosystem Partner
ASSAFI, Assam Startup

WINNERS

1. Dr. Dayananda Meitei
Co-Founder and CEO of Medilane HealthTech and Consultancy Services
2. Mr. Bony Yumnam
CEO, Algaetech
3. Ms. Ayekpam Chandralekha
4. Mr. Somnath Chandra, Director,
Brahmaputra
TechnoPharmaceuticals

North East Regional IP Workshop

Enhancing the knowledge on safeguarding of technology and the importance of IP

A 3 days IP workshop was conducted especially for the people of the North Eastern region in collaboration with Technology enabling centre at KIIT University. A total of 50 participants including faculty members, research Scholars, Students, individuals and entrepreneurs join the program. 15 eminent speakers from diverse expertise shared their knowledge with the participants



KIIT-Technology Enabling Centre Presents
NORTH EAST REGIONAL IP WORKSHOP
28-30 July 2021



Speakers



Dr Anita Aggarwal
Scientist F, DST



Dr Shirshendu Mukherjee
Mission Director, Program Management Unit, BIRAC



Dr Vinita Jindal
Chief Manager, IP & Technology Management, BIRAC



Dr W. M. Dhumane
IPR Chair Prof MNLU & Former Sr Joint Controller of Patents & Designs, IPO



Pravin Anand
Managing Partner, Anand Anand



Dr Mohan Dewan
Principal Litigator, R K Dewan & Co



Dr Bijay K Sahoo
Regional Manager (IPFC & TISC), NRDC



Dr Pankaj P Borkar
Deputy Controller of Patent & Design, RGNIIPM, Nagpur



Dr Narendran T.
Technical Officer, IPR, NBA



Dr Lipika Sahoo
Founder & CEO, Lifeintellect Consultancy



Amrita Majumdar
Senior Patent Attorney, S. Majumdar & Co



Dr Mrutyunjay Suar
CEO, KIIT-TBI



Dr Namrata Misra
Head-Bioinnovation, KIIT-TBI



Asutosh Nanda
Lead, KIIT-TEC



Ecosystem Partner
BRTC
A BIRAC - KIIT-TBI initiative

WORKSHOP THEMES	<p>Covering 360° aspects of Intellectual Property</p> <ul style="list-style-type: none"> ▶ Introduction to IPR and Career aspects in IP ▶ IP Generation, Protection and Prosecution ▶ Bio Innovations and National Biodiversity Act ▶ Commercial and Legal aspects of IPR ▶ Role of IPR in Business setup 	<p>Registration Fee</p> <p>₹ 500</p> <p>*Discount of ₹ 100 for first 50 participants Promocode: NEIP (applicable on UPI)</p>
	<p>PERKS BY KIIT-TEC</p> <ul style="list-style-type: none"> ▶ One-to-one Mentoring ▶ Prototyping & Technology day support ▶ IP & Commercialization support ▶ e-Certificate on completion 	<p>Register at rzp.io/iiipworkshop</p> <p>Last date of registration: 27 July 2021 (11:59 PM) Reach us: +91-7978780265 / info@kiittec.in www.kiittec.in</p>

Manipur Technology Innovation Hub (MTI Hub)

Holistic platform to catalyze interactions between entrepreneurs & stakeholders from North-East.

As a result of the extensive activities in North-East, Manipur Government signed an MOU with KIIT-TBI for establishment of Manipur Technology Innovation Hub and laid the foundation stone.



Inauguration of

Manipur Technology Innovation Hub (MTI-HUB) in PPP mode in collaboration with KIIT-TBI

By

Shri Amit Shah
Hon'ble Minister of Home Affairs, GoI

In presence of

Shri N. Biren Singh
Chief Minister, Manipur



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OPINION 6
WILL THE TALIBAN
LEADERS GROW APART?

WORLD 8
GLOBAL COVID CASELOAD
TOPS 300 MILLION

MONEY 9
FM REVIEWS PSBS' READINESS
TO TACKLE DISRUPTION

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BHUBANESWAR, SATURDAY JANUARY 8, 2022; PAGES 12 & 14



**DJOKO SPENDS
RELIGIOUS DAY
IN DETENTION
12 SPORT**

Manipur inks pact with KIIT for tech hub

PNS ■ BHUBANESWAR

The Manipur Department of Information Technology (DIT) signed an agreement with the KIIT-Technology Business Incubator (KIIT-TBI) on January 5 to establish a Manipur Technology Innovation Hub (MTI-Hub) with KIIT-TBI on PPP model to promote entrepreneurship in Manipur.

Union Home Minister Amit Shah laid foundation stone of the MTI-Hub virtually in the presence of Manipur Chief Minister N Biren



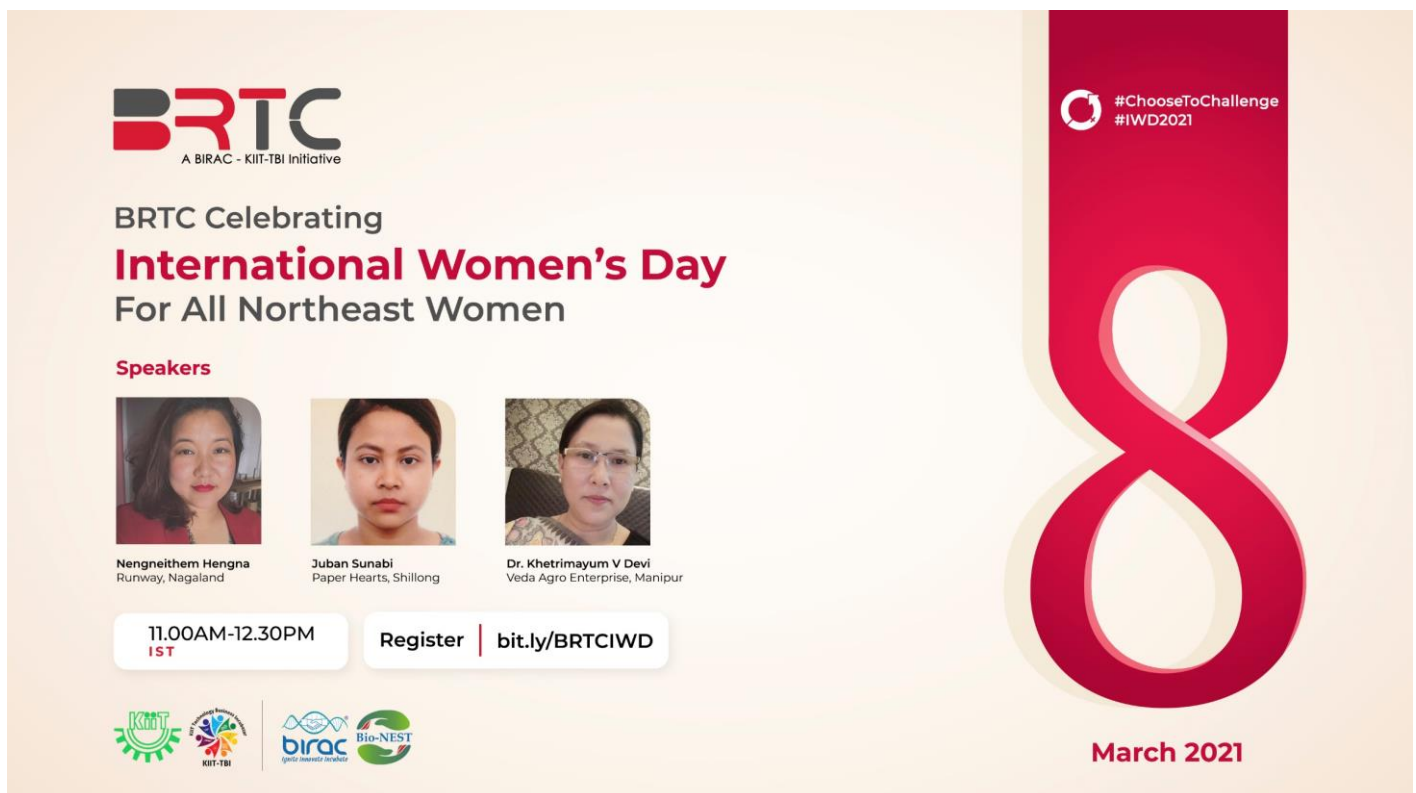
Singh. As per the agreement, the Manipur Government will pro-

vide furnished 10,000-sqft built-up space with part of operation

cost. To further strengthen the ecosystem development, both Manipur Government and KIIT-TBI will reach out to Government of India funding agencies such as DST, MeITY, MSME, and BIRAC-DBT. The KIIT-TBI is one of the most vibrant technology business incubators in India. It is a centre of excellence, now reaching out to the East and Northeast regions of India and helping various stakeholders establish sustainable incubation platforms. This is an important achievement of KIIT-TBI, said KIIT & KISS founder Dr Achyuta Samanta while congratulating the KIIT-TBI team for attaining the milestone.

International Women's Day Celebration

BRTC celebrated all Northeast Women Innovators and Startups on 8th March 2021




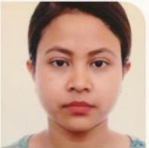
The poster features the BRTC logo (A BIRAC - KIIT-TBI Initiative) at the top left. The main title is "BRTC Celebrating International Women's Day For All Northeast Women". Below this, it lists three speakers with their photos and names: Nengneithem Hengna (Runway, Nagaland), Juban Sunabi (Paper Hearts, Shillong), and Dr. Khetrimayum V Devi (Veda Agro Enterprise, Manipur). The event time is 11.00AM-12.30PM IST. A registration link is provided: Register | bit.ly/BRTCIWD. On the right side, there is a large red number 8 with the hashtags #ChooseToChallenge and #IWD2021. At the bottom left are logos for KIIT, BIRAC, and Bio-NEST. At the bottom right, it says "March 2021".


BRTC
A BIRAC - KIIT-TBI Initiative

BRTC Celebrating
International Women's Day
For All Northeast Women

Speakers





Nengneithem Hengna
Runway, Nagaland


Juban Sunabi
Paper Hearts, Shillong


Dr. Khetrimayum V Devi
Veda Agro Enterprise, Manipur

11.00AM-12.30PM
IST

Register | bit.ly/BRTCIWD

March 2021

BRTC, KIIT-TBI virtually celebrated International Women's Day on 8th March 2021. The event witnessed the presence of entrepreneurs, faculties and innovators, both female and male. There were about 30+ participants in the event.

The program started with the introduction to International Women's Day 2021 followed by brief addresses by Dr. Mrutyunjay Suar, CEO KIIT-TBI and Sh. Samarendra Sahu, Advisor KIIT-TBI. They shared how women in their lives have impacted to their journey to prosperity. Then, Ms. Surekha Routray, Head-Social Impact and CSR, KIIT-TBI enlightened the audience the tips and tricks how to maintain a balance between personal and professional life and also shared her experience on how being a mother, women can equally do great pinnacles in the professional world also.

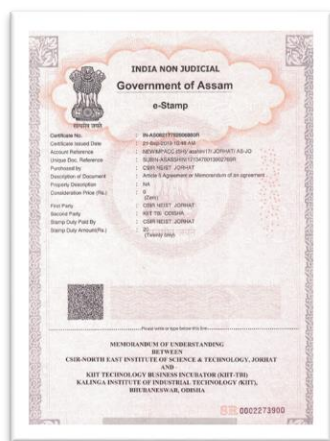
The event proceeded with interaction by some of the female entrepreneurs from Northeast. **Dr. Kshetrimayum Vedmani Devi**, Founder and Managing Director of Vedam Agro Enterprises spoke about her entrepreneurial journey. It was followed by an inspiring talk by **Juban Sunabi**, Proprietor of Paper Heart Shillong. She discussed about the hurdles she had to overcome to set up her enterprise and the tips of running a successful business venture. **Nengneithem Hengna**, Founder & Creative Head of Runway Nagaland also shared her enlightening entrepreneurial journey. She mentioned how she started her company with few employees and now running her venture smoothly. Few of the male innovators from the participants voluntarily spoke about the impact of women in their lives. The event had surely motivated the budding female entrepreneurs from Northeast to take a step forward to fulfill their dreams.

Forging Collaboration

With major institutes across East & NE

In order to build an enabling platform for entrepreneurs in the region, BRTC has reached out to various institutions located in East and Northeast to work closely for R&D and Entrepreneurship development. We have officially signed Memorandum of Understanding (MOU) with **15 institutes/ organizations**. To kickstart the joint collaboration, KIIT-TBI & BRTC partnered with NEHU Tura Campus and got one Livelihood promotion project sanctioned from Department of Biotechnology, India.

BRTC KIIT TBI is also supporting institutes to establish BIRAC BioNEST Bioincubator where KIIT TBI will be the mentor incubator. Till date, NEHU Tura campus, CSIR NEIST have been sanctioned for establishment of BIONEST Bioincubator. Tripura University, Pt Ravi Shankar and Vinoba Bhawe are currently being mentored in writing a competitive project proposal.



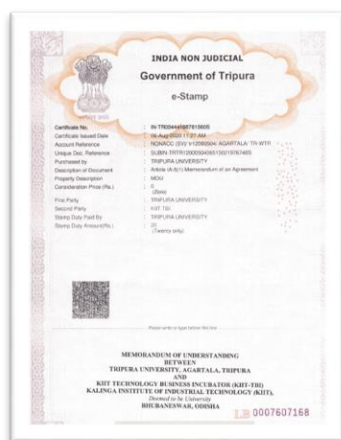
CSIR-NEIST
Jorhat, Assam



NIPER
Guwahati, Assam



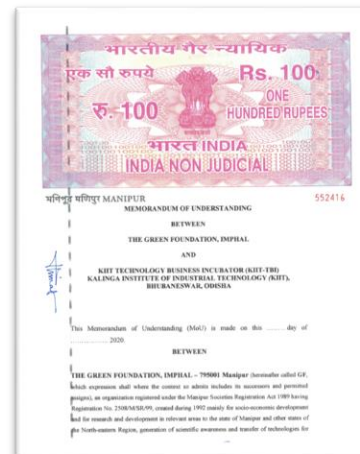
NEHU
Shillong, Meghalaya



Tripura University
Agartala, Tripura



Rajiv Gandhi University
Arunachal Pradesh



Green Foundation
Imphal



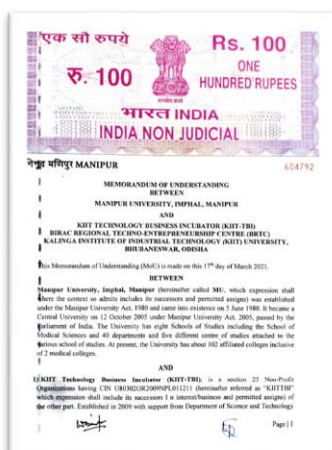
Mizoram University
Aizawl, Mizoram



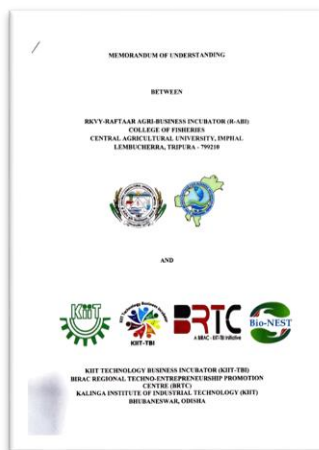
IASST
Guwahati, Assam



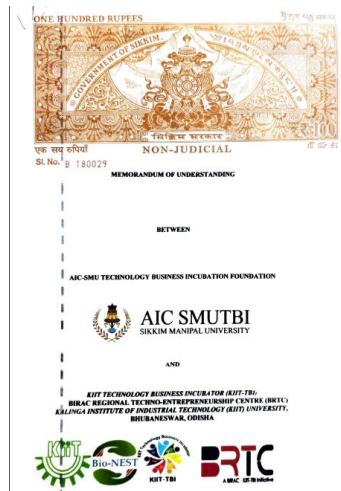
Assam Downtown University
Assam



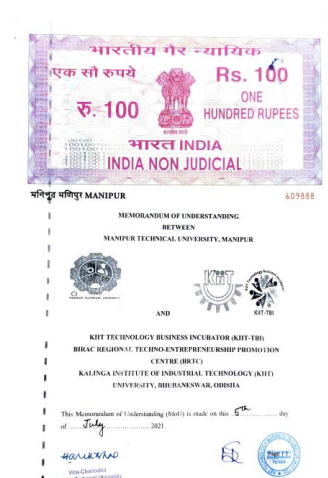
Manipur University
Imphal, Manipur



RKVY-RAFTAAR Agri-Business Incubator, College of Fisheries, Central Agricultural University
Lembucherra, Tripura



AIC- Sikkim Manipal University TBI
Sikkim

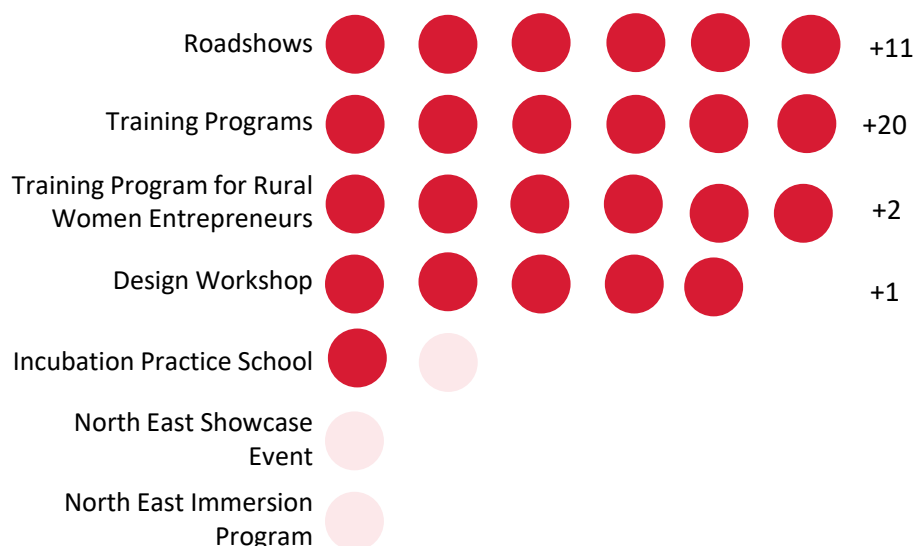


Manipur Technical University
Imphal, Manipur



AIC- Gujarat Technical University
Ahmedabad, Gujarat

BRTC Impact Analysis



Challenges

The Northeastern region is a unique place which if developed will be a boon for the country with its rich natural resources. As the region is diverse, challenges are also there

1. The awareness on government funding for entrepreneurs is low in the region. BRTC not only brings down the gap in the capital city but also into the smaller city
2. Poor policy of institutional infrastructure to support budding innovators
3. Need to develop institutional collaboration among the institutes
4. Gap in linkages between academic and industry-driven translational research
5. Lack of handholding from the mentors and investors to support early-stage and existing start-ups in the northeast and eastern region.

Strategies

1. BRTC is promoting inter-institutional collaboration for translating the research work for societal benefit. BRTC has signed MOU with ten Institutes for long term collaboration.
2. Establishing multiple contact points from the BRTC training programs to identify the institutes/organizations for organizing the various programs.
3. Involvement of faculty members, clinicians and entrepreneurs of the region in hand holding of budding startups.
4. Helping the focus states in establishment of Bio incubator for providing the necessary infrastructure to the entrepreneurs.
5. Provide necessary R&D supports to utilize the resources of the region sustainably and improve the socio economic condition of the local people.

Way forward

1. The mindset of the people is gradually changing and a continuous hand holding of the innovators is very much essential.
2. The participation from the region is increasing in various programs. People are now contacting us with their idea to help them get the financial assistance.
3. The BIG NE special call will be made a regular call so that more participants can benefit out.
4. BRTC is working in establishing a hub and spoke model with various institutes to enable build an enabling platform.
5. To make the East and Northeast region a hub for startups and entrepreneurs in the coming decade.



मानिपुर विश्वविद्यालय
MANIPUR UNIVERSITY (A Central University)

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YEAR

2021

2020

2019

2018

INAUGURATION PROGRAMME ON “BREWING BIO ENTREPRENEURSHIPS IN MANIPUR”

Manipur University 18/03/2021: Programme on ‘Brewing Bio Entrepreneurships in Manipur’ was inaugurated on 18th March, 2021 at MIMS Auditorium, Manipur University. The Programme was jointly organised by Centre for Entrepreneurship and Skill Development (School of Social Sciences, Manipur University) and Kalinga Institute of Industrial Technology University (KIIT-TRB) Bhubaneswar and will be held from 18th to 20th March, 2021.



Awareness programme held at MIMS

18-Mar-2021

IMPHAL, Mar 18

A programme on "Breeding Bio-Enterprises in Manipur" began today at IIIMS Auditorium, Manipur University (MU). The programme is jointly organised by Centre for Entrepreneurship and Skill Development (School of Social Sciences, Manipur University) and Kalinga Institute of Industrial Technology University (KIIT-TB) Bhubaneswar and will be held till March 20, said a statement of MU.

Professor S Sanatombi Singh, vice-chancellor MU, Prof S Mangi Singh, Dean of School of Social Science, MU, Dr Hrutysujay Sanyal, CEO, KIIT-TB, Bhubaneswar, Prof L. Prabhakar Singh, Director of Manipur Institute Management Study, (MIIMS) and Prof N Rajmoun Singh of Department of Chemistry, MU have graced the function as the presidium members.

Prof S Sanatombi Singh expressed that the programme shall definitely give the awareness of entrepreneurship potential in Manipur especially in the area of Bio-resources and it will contribute to employment generation and will help in socio-economic development. The technical session started after the inaugural function.

নহারোলগী থৌদাঃ

রুরেল বুয়েন ইন্টরপ্ৰেন্যুরশিংগী ইনকম হেনগৎহন্নবগী প্রেক্তিকেল ত্রেনিং হৌথ্রো

થોદાઃ પાઉચીદગી

ইস্ফাহান, মার্চ ১৮
বাইওটেকনোলজী ইন্সটিটিউট রিসার্চ
সোসাইটি স কাউন্সিল (বিআরসি)
রিজনেল টেকনো-ইন্টারপ্রেসনুরিশ
প্রোমোশন সেন্টার (বিআরটিসি)
কলিসাপ ইন্সটিটিউট অফ ইন্ডস্ট্রিয়েল
টেকনোলোজী (কিআইআইটি)-
টেকনোলোজী ব্যুজিনেস ইনকুবেটর
(টিসিআই), ভূবনেশ্বর অমসু গ্রীন
ফাউন্ডেশন, ইস্ফাহান অনিরা
শিন্দুনা নুমিৎ ছমিগি ওইবা
জেন্ডিকেলব জেনিং ওন লোকোরি
এভাইলেবল সেরেয়েল প্রোসেসিং
রিথ পিপিআইলো ইফেসিস ওন
চাক-হাওলোকোরি ব্রেক স্কেল্টেড
রাইস) ফোর ইনকম জেনেরেশন
ওফ রুরেল বুমেদ" হায়াবা জেনিং
প্রোগ্রাম অমা ওসদিগি কামোং
লোষ্টোনজম লোকোই, ইস্ফাহান
রেষ্টেংকি কম্মুনিতি হোলদা
পাণ্ডথোকব

মণিপুরদা লৈরিবা রুৱেল
 বুৱেন ইন্টৰপ্ৰেন্যুৱশিংদা লৈরিবা
 ত্ৰেদিম্বেল ওইবা নোলেজশিং অদুগী
 মথন্তা এক্সপাৰ্টশিংদগী মোদৰ্ণ

ওইবা টেক্কেলোজি শিজিন্নমুনা
মল্লিক চাবা ইন্টরপ্ৰেন্যুর ওইহুন্দনা
লমদম অসিগী ইন্টরপ্ৰেন্যুর
নুপীশিংগী ইনকম হেনগৎহন্নবগী
পান্দমদা পাওথোকথিবা নুমি
হুসিগী ওইবা ব্রেনিং প্রোথাম অনুদা
গি গেটকী রাটো প্রোথাম পীরদনা
কি আয়ি আই সি প্রোজেক্ট /
বে আই আই সি – টি বিএলগী
নেমের ডাঃ রাজিচ কাওমেনা
হা, মণিপূর যাওনা নোর্থ ইষ্টটা
লাইবা, টাট অপ অমসু/
ইন্টরপ্ৰেন্যুর কয়াদা
ইন্টরপ্ৰেন্যুরশিপ ফিদলপমেট
লৈনবা অমসু খন্ড ককি কবগী
লৈনবেগ হায়াবা খন্ড হনবগী
লোয়ননা সাইন্টিফিক ওইবা
টেক্কেলোজিগী হাপটিন্দনা
লমদম অসিগী ব্রেনিয়েল ওইবা
প্রদন্তসদনা কালিটি অমসু/
প্রোপারটি হেনগৎহুন্দনা কুরেল
ইয়াদা লৈনবা নুপীশিংগী শেল
থুমগী জিওম ফগৎহন্নবগী
পান্দমদা ব্রেনিং অসি
পাওথোকপনি। ব্রেনিং অসি
লোয়বা মতুদা নুপীশিংগী ওইবা

কুষ্ঠের শেখদুদা ফুদ প্রোসেসিং
 তৈরীবা থাকক হেনগহহন্দুনা গীবা
 মাথা মংচে গীবগী বাকফ যাওরি
 মীওই ২০০ / ৩০০ গী ওইবা
 কুষ্ঠের প্রোসেসিং যুনিট লিংখতু
 মংখায়গী প্রদন্তন হেনগহহন্দুনা
 বুজিনেস অও হোয়া চাওখোকমবা
 হোঁবনবা মংচে পার্বনি হায়না অঃ
 রজিবনা ফেওলেখিকি।

মহাফা মখা তানা
 হায়, মংখায়গী সোসিও
 ইএনোমিকি হেনগহহন্দুনাগী
 মতাবনা গ্রীন ফাউন্ডেশননা বাকক
 কয়া পায়খংবনা বিরাক রিজনেল
 টেক্স - ই ইন্টারপ্রেসনরশিপ
 প্রোসোমস সেন্টর (বিরাসিটারি)
 কলিঙ্গা ইন্সটিটিউট ওফ ইন্সটিটিউয়েল
 টেক্সনোলজি (কিউআইআইটি)
 টেক্সনোলজি (কিউআইআইবিওর
 টিবিআই), ভুবনেশ্বরনা গ্রীন
 ফাউন্ডেশনগা মেমোরেন্দম অমা
 সাইন তৌনত্রে। এমওয় সাইন
 তৌনবনা মতবুদা ওসিনা অহানবা
 ইএন রুরেল বুনেশী ইকোনোমি
 হেনগহহন্দুনা হায়নি প্রোগ্রাম অসি
 পাওখোকমবা হোঁবকি।

Training programme for increasing 'Chak-hao' production launched

By A Staff Reporter

IMPHAL | Mar 18

A three-day training programme on 'practical training on locally available cereal processing with special emphasis on Chakhao (local black rice) for income generation of rural women' was launched at community hall of Kamong Longjam Leikai, Imphal West on Thursday.

The training programme was organised by BIRAC Regional Techno-Entrepreneurship Promotion Centre (BRTC), Kalinga Institute of Industrial Technology (KIIT), technology business incubator (TBI), Bhubaneswar and Imphal to encourage women entrepreneurs by adopting modern technology.

Speaking on the occasion, manager of BRTC, K. IT and TBI, Rajib Kangabam said the programme was organised to encourage the womenfolk of rural areas by giving them



awareness on how to adopt modern technology through the indigenous paddy farming. After the training programme, a cluster of 200-300 persons exclusively for women will be created to practice food processing in order to generate their income, he added.

He further said BRTC, KIIT, TBI and Bhubaneswar green foundation have signed a memorandum of understanding to get more social economy for rural

Chief executive officer of Green Foundation Manipur, U Himat Singh as president of the function said the training programme will give more knowledge to the rural women while practicing their farming in addition to the indigenous method of farming. With the addition of advance technology of farming, rural women can produce more yields and they can get more economy, he added.

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BHUVANESWAR, SATURDAY JANUARY 8, 2022, PAGES 12-14

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12 SPORT

Manipur inks pact with KIIT for tech hub

PNS ■ BHUBANESWAR

The Manipur Department of Information Technology (DIT) signed an agreement with the KIIT-Technology Business Incubator (KIIT-TBI) on January 5 to establish a Manipur Technology Innovation Hub (MTI-Hub) with KIIT-TBI on PPP model to promote entrepreneurship in Manipur.



Singh. As per the agreement, the Manipur Government will provide furnished 10,000-sqft built up space with part of operation

cost. To further strengthen the ecosystem development, both Manipur Government and KIIT-TBI will reach out to Government of India funding agencies such as DST, MeITY, MSME, and BIRAC-DT. The KIIT-TBI is one of the most vibrant technology business incubators in India. It is a centre of excellence, now reaching out to the East and Northeast regions of India and helping various stakeholders establish sustainable incubation platforms. This is an important achievement of KIIT-TBI, said KIIT & KISS founder Dr Achyuta Samanta while congratulating the KIIT-TBI team for attaining the milestone.

ଗ୍ରାମୀଣ ମହିଳାଙ୍କ ଛତୁଚାଷ ପ୍ରଶିକ୍ଷଣ ଶିବିର ଉଦ୍‌ଘାଟନ

ଡେକାଣ୍ଡ, ୨୦୧୮ (ନି.ପ୍ର.): ପାରମ୍ପରିକ ଜ୍ଞାନକୌଶଳ ସହ ବିକଶିତ ଯନ୍ତ୍ରପାତି ମାଧ୍ୟମରେ ଗ୍ରାମୀଣ ମହିଳାଙ୍କୁ ଉଦ୍ୟୋଗ ଭିତ୍ତିକ ପ୍ରଶିକ୍ଷଣ ଦେବା ଲକ୍ଷ୍ୟ ନେଇ କିର୍- ବିଶ୍ୱବିଦ୍ୟାଳୟର ଏ ଆର୍. ଟି. ବି, ଟି. ବି ଆଇ. ଏବଂ ଜୋନାପୁର ଗୋପବନ୍ଧୁ ସେବା ପରିଷଦ ପକ୍ଷରୁ ଧାନକୋଷ ପ୍ରାୟୋଗ ବାଡ଼ାଫଳସ୍ଥଳକ ପରିବର୍ତ୍ତନର ଅନୁଷ୍ଠିତ ଏା ଦିନିଆ ଗ୍ରାମୀଣ ମହିଳା ଛତୁବୀଷ ପ୍ରଶିକ୍ଷଣ ଶିବିର ଉଦ୍‌ଯାପିତ ହୋଇଛି । ଓଡ଼ିଶା କୃଷି ଓ ବୈଷୟିକ ବିଶ୍ୱବିଦ୍ୟାଳୟର ପ୍ରଶିକ୍ଷିକା କାଦମ୍ବିନୀ ରାୟ, କିର୍- ଟିବିଆଇର ରିୟା ରାୟ ଅର୍ପଣ ଘୋଷ, ଚୁମ୍ବା ରାଉତ, ଅକ୍ଷୟ କୁମାର ସାହୁ, ଆରୁନ୍ଧତି ଜୟଶାଳ, ପ୍ରଜ୍ଞା ଚତୁର୍ପାଣି, ପ୍ରମୁଦ ଅଧିକ ଅମଳକ୍ଷ୍ୟ ଛତୁବୀଷ ପ୍ରଶାଳା ଏଫଜର୍ବର ରାମିମ ପଦାଳ କବିତା ସହ କ୍ଷେତ୍ରୀୟ କୌଶଳ ପ୍ରଦର୍ଶନ

କରିଥିଲେ। ଏହି ଶିବିରରେ ଧ୍ୟାନକେରୀ, ନଳିବସନ୍ତ, ବସନ୍ତପଡ଼ା ଗ୍ରାମରେ ଏଫଠିଟି ଏଠା ଯାଏଁ ହିଲିଲେ। ସ୍ବର୍ଣ୍ଣ ସହାୟକ ଗୋଷ୍ଠୀର ୬୫ ଜଣ ପ୍ରତିନିଧି ଏଠା ଗ୍ରହଣ କରିଥିଲେ। ସେବା ପରିଷଦର ଅଧ୍ୟକ୍ଷ ପ୍ରଦୀପ କୁମାର ମହାରଣା ଓ କୋଷାଧ୍ୟକ୍ଷ ପ୍ରକାଶ ସେନାପତିଙ୍କ ସହଯୋଗରେ ଏହି ତାରିଖ ଶିବିର ଅନୁଷ୍ଠିତ ହୋଇଥିଲା । ବିଭିନ୍ନ ଦିବସରେ ସ୍ଥାନୀୟ ଚଳଚ୍ଚିତ୍ର ପ୍ରଦର୍ଶନ କୁମାର କେନା, ସମିତି ସଭ୍ୟା ପ୍ରାଚିନିକା ସେନାପତି, ପୂର୍ବତନ ସରପଞ୍ଚ ଉପେନ୍ଦ୍ର ପ୍ରଧାନ, ରାମଚନ୍ଦ୍ର ମହାରଣା, ଶିଶୁ ବିକାଶ କର୍ମା ନିନିଆ ରାଉତ, ସାତା ପ୍ରଧାନ, ଶିଶୁବିକାଶ କେନ୍ଦ୍ରର ବରାଳ ପ୍ରମୁଖ ଉପସ୍ଥିତଥିଲେ । ତାରିଖପ୍ରସ୍ତୁତ ହିଲିଲିଲି ବ୍ୟାଙ୍କ ଗଣ ସମୁଦାୟର ଗଣ ଉପସ୍ଥିତ ବ୍ୟବସ୍ଥା ରହିଥିବା କିନ୍ତୁ ପ୍ରଶିକ୍ଷିକା ସ୍ବଗା ରାୟ କେନା କେନାଥିଲେ।



Testimonials

The program are very much informative and helpful for people like us which is looking for opportunity to have a successful career as entrepreneurs. Thanks to the organizer and BRTC for reaching out to us.

Rashing Muinao
Hilley com

The roadshow and the design workshop provide us the much essential input and also help us understand the funding opportunities.

Yumnam Bony, Founder
Elgae Tech, Manipur

Thanks BRTC for organizing the roadshow which will help the youth of the state in identifying the opportunities.

Sumpamm T. Professor
RGU, Itanagar

The webinar is very much informative and get the opportunity to learn new things.

Palani Murugan S, Founder
Tamil Nadu

The webinar on design thinking and prototyping is very good and provides new learning skill

Goutam Saha
GU, Guwahati

The webinar on agri and life stock is very much informative and useful.

Gunajit Goshwami
CVS, AAU, Khanapara

Thanks BRTC for organizing a series of wonderful webinar during this covid time.

Melinda N.
NEHU, Shillong

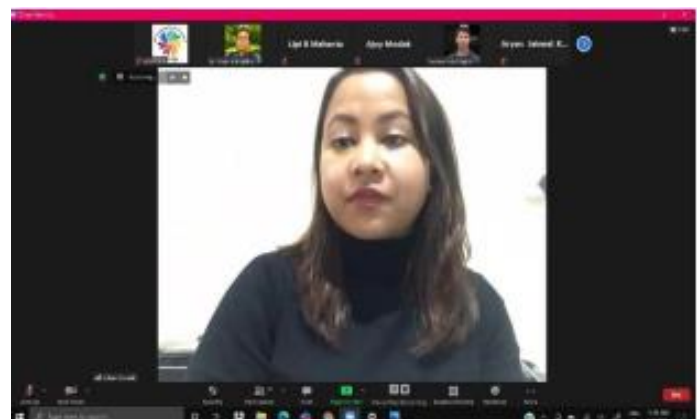
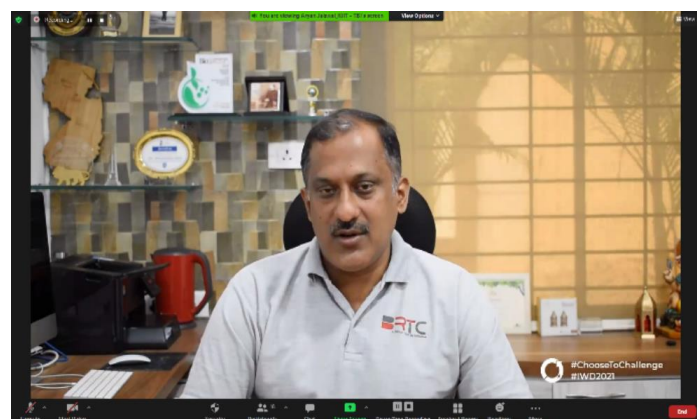
Thank you KIIT-TBI for the help and support during the deign workshop. We are selected for the BIG NE grant

Sundari Asem
GB, Imphal

Program Glimpses

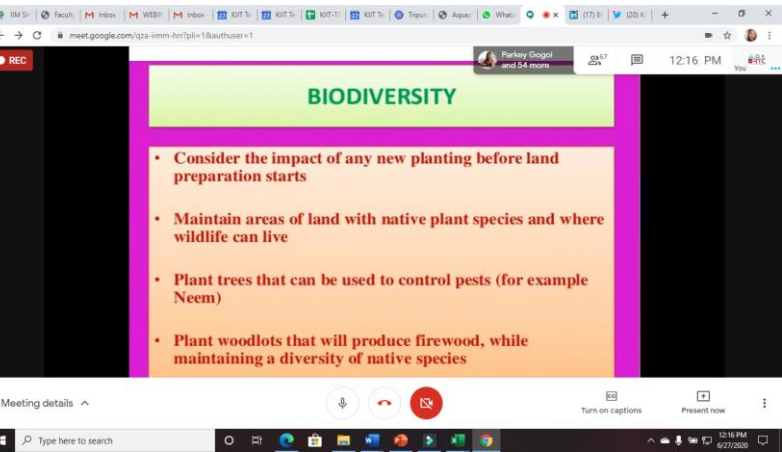
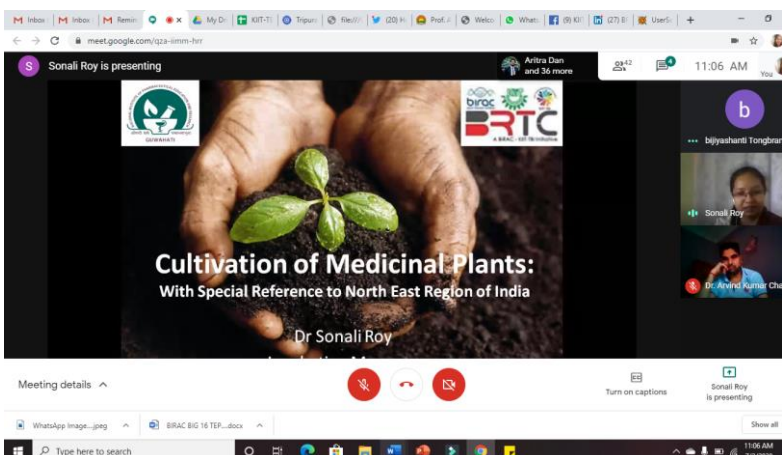
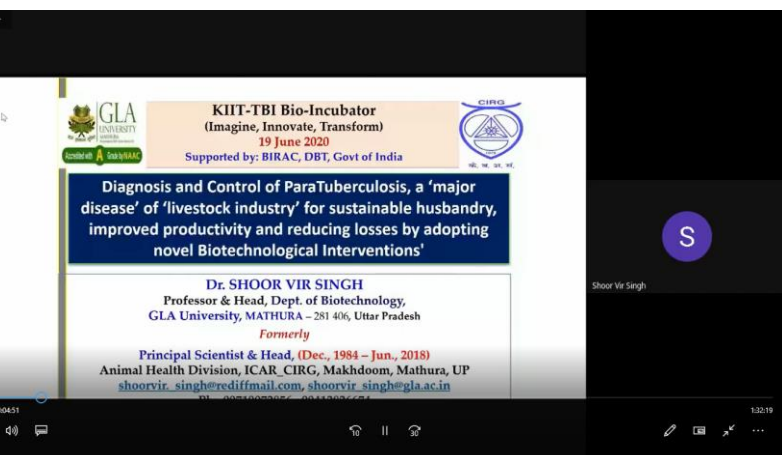
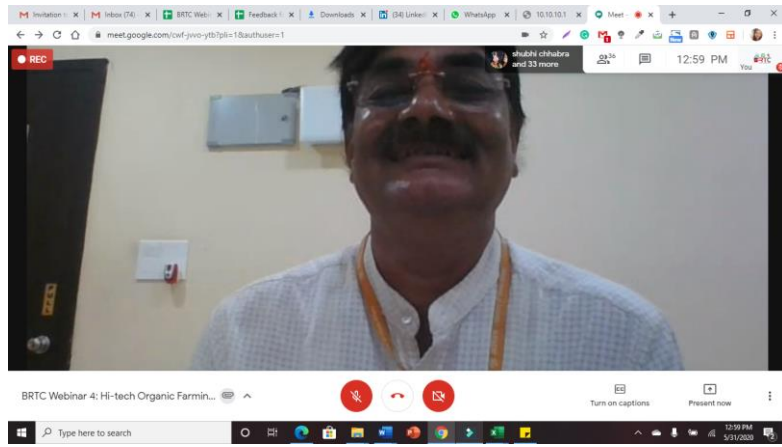


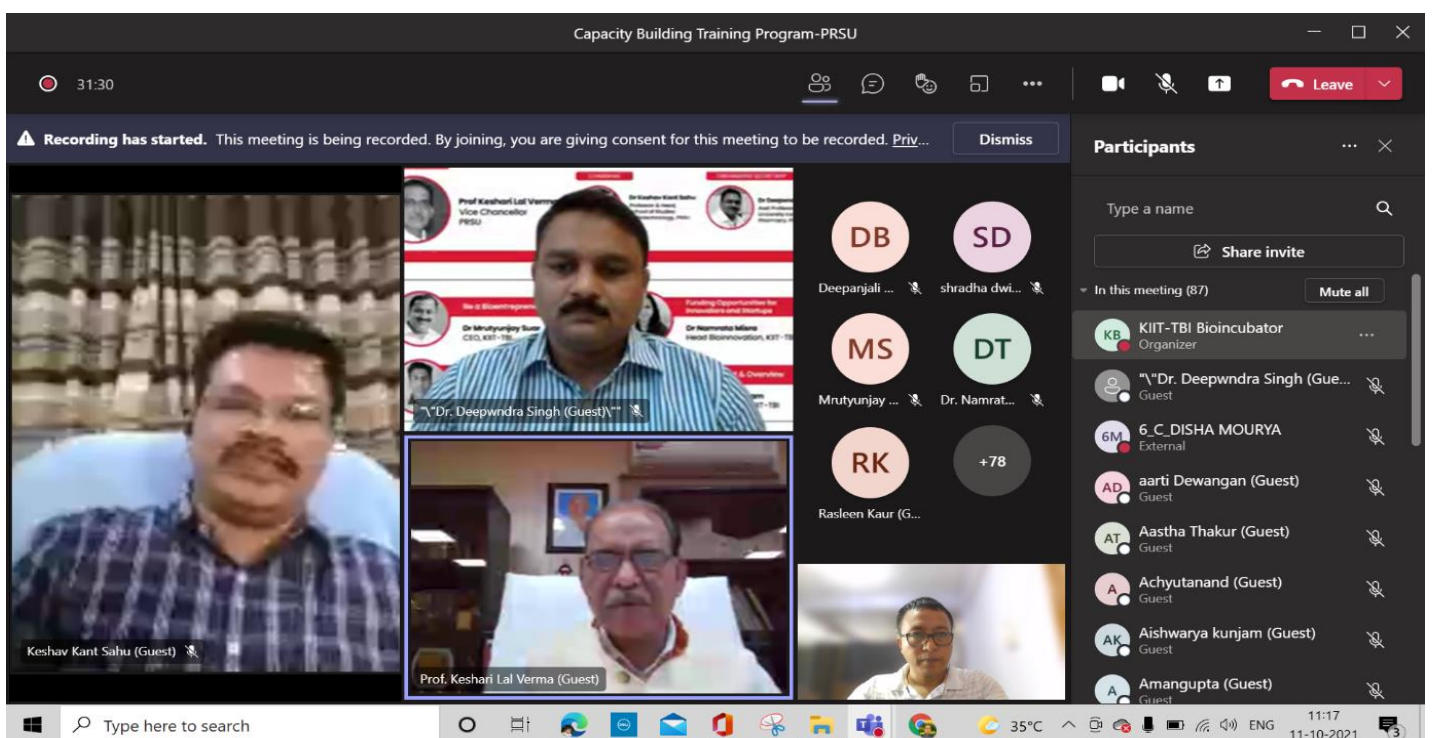
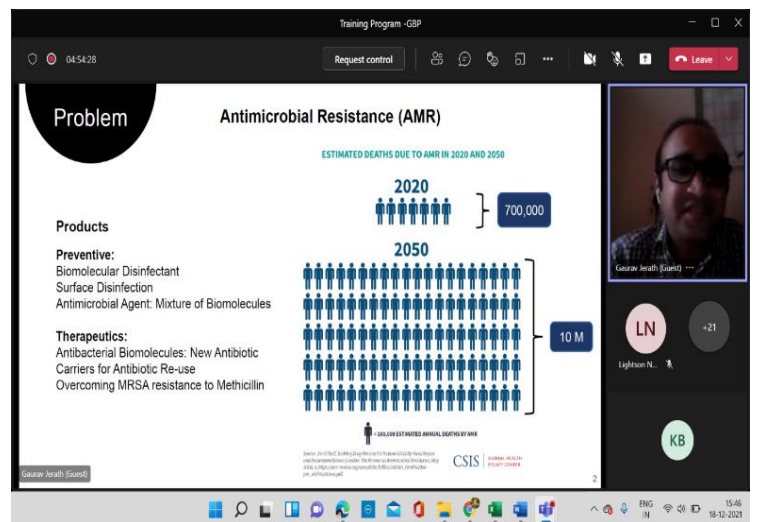
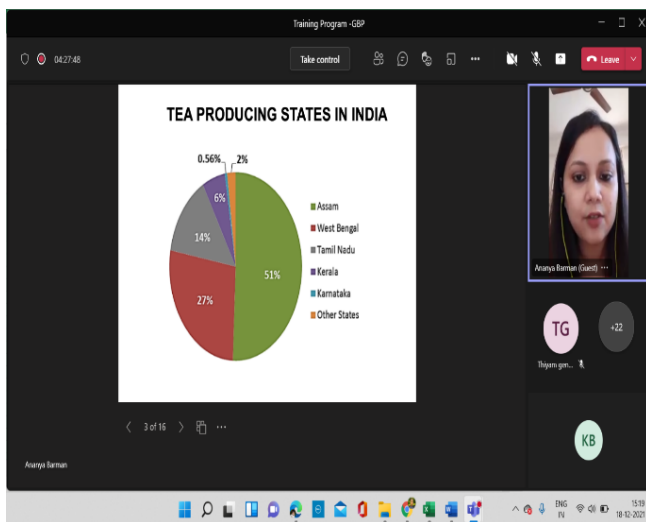












SNAPSHOTS



BRTC Virtual Roadshow on Seeding Bio-entrepreneurship in Sikkim

Speakers

- Shri. Bhuwan P Pradhan, IFS
Principal Secy. cum Member Secy.
SSCST, DST, Govt. of Sikkim
- Dr. B C Basistha
Director, SSCST,
DST, Govt. of Sikkim
- Dr. Mrutyunjay Suar
CEO, KIIT-TBI
- Dr. Namrata Misra
Head Bioinnovation
KIIT-TBI
- Mr. Asutosh Nanda
Lead, KIIT-TEC
- Dr. Rajiv Kangabam
BRTC Manager
KIIT-TBI

Host Institute Sikkim State Council of Science & Technology (SSCST), DST, Govt. of Sikkim

Register | cutt.ly/brtc-SSCST

Sept | 07 2021 **11.00h-13.30h IST**

HOST

Dr. Rajiv Kanga...


Dr. Rajiv Kangabam KIIT TBI

Bhuwan Prakash Pradhan

Dr. B. C. Basistha

#BR

KIIT-TBI



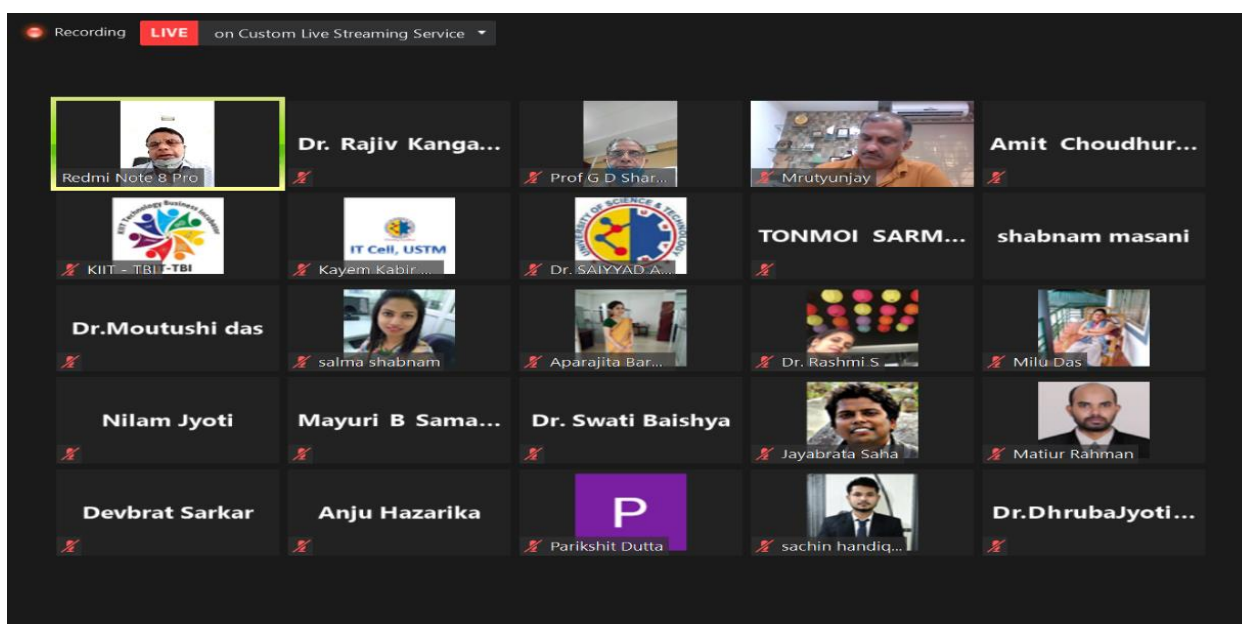
Recording **LIVE** on Custom Live Streaming Service

Dr. Rajiv Kanga...

Amit Choudhury, Dean

Mrutyunjay

KIIT-TBI



Recording **LIVE** on Custom Live Streaming Service

Dr. Rajiv Kanga...

Prof. G. D. Sharma

Mrutyunjay

Amit Choudhury

KIIT-TBI

IT Cell, USTM

Kayem Kabir

Dr. SAIYAD A...

TONMOI SARM...

shabnam masani

Dr. Moutushi das

salma shabnam

Aparajita Bar...

Dr. Rashmi S...

Milu Das

Nilam Jyoti

Mayuri B Sama...

Dr. Swati Baishya

Jayabrata Saha

Matiur Rahman

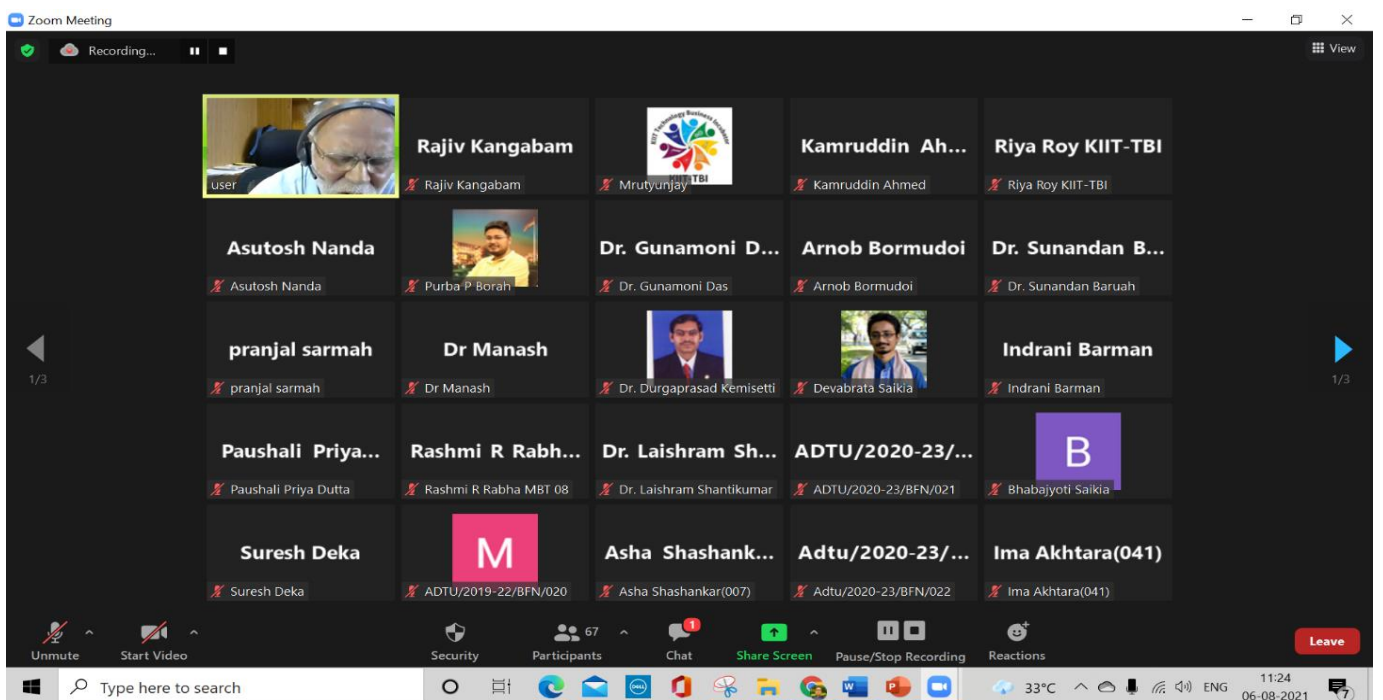
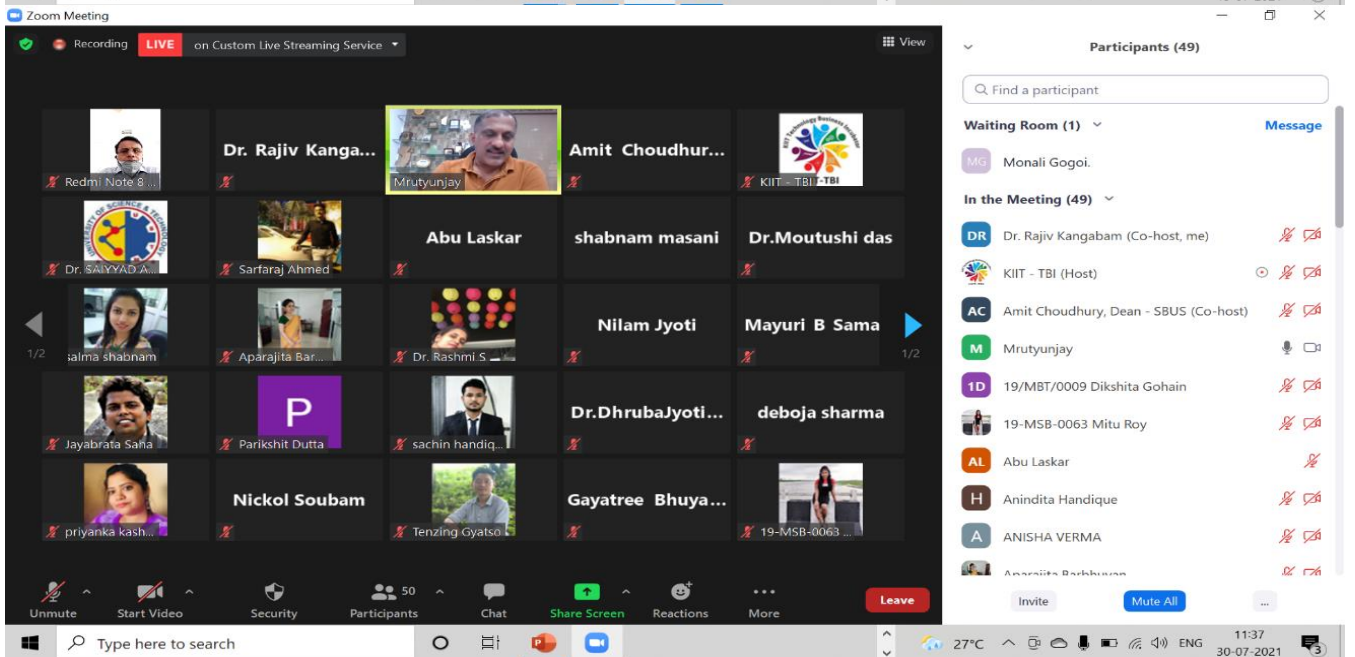
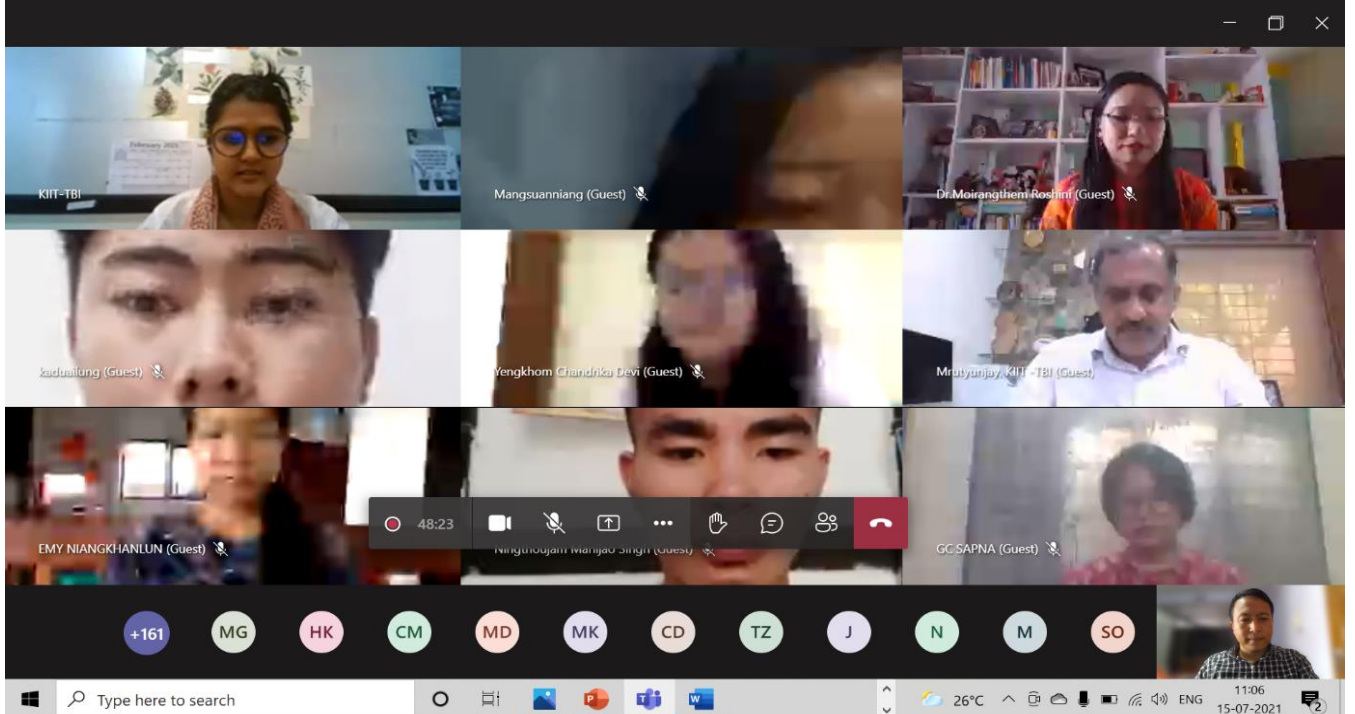
Devbrat Sarkar

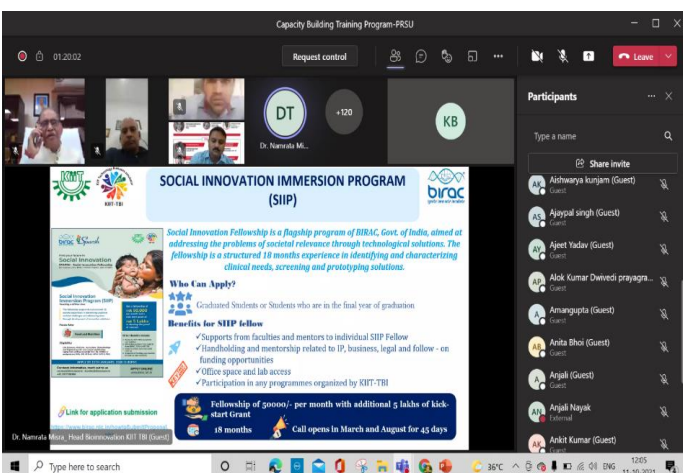
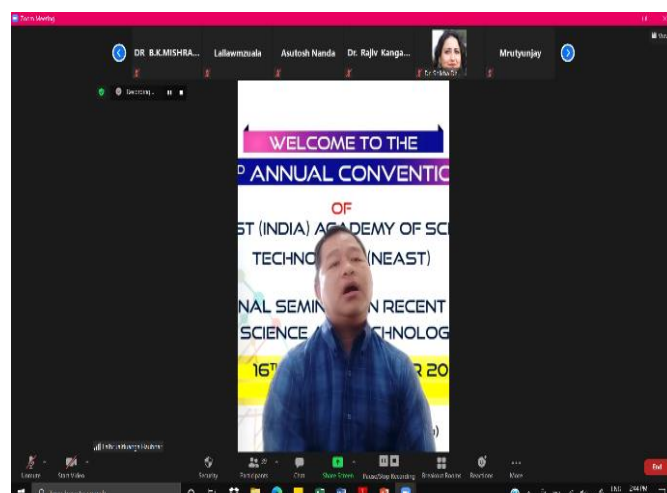
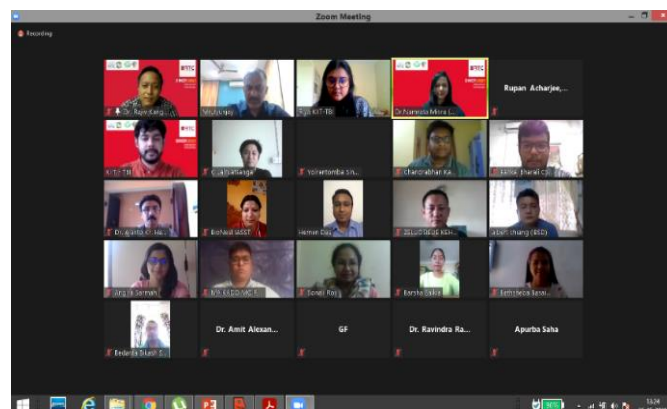
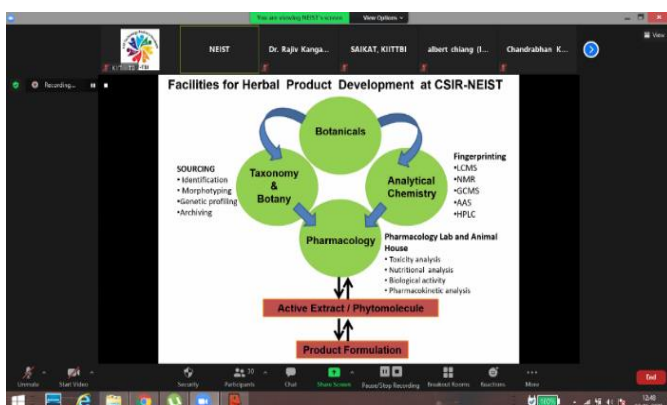
Anju Hazarika

Parikshit Dutta

sachin handiq...

Dr. Dhruba Jyoti...







Biotechnology Industry Research Assistance Council (BIRAC) is a not-for-profit, section 8, Schedule B, public Sector Enterprise, set up by Department of Biotechnology (DBT), Govt of India as an Interface Agency to strengthen and empower the emerging Biotech enterprise to undertake strategic research and innovation, addressing nationally relevant product development needs. BIRAC implements its mandate by providing its access to risk capital, technology transfer, IP management and mentorship.



BIRAC and KIIT-TBI have partnered to build an enabling ecosystem for promoting entrepreneurship and technology development in the east and north east region of India under the BRTC program.

The aim of the regional centre is to identify and nurture start-ups as well as provide mentoring support to nascent incubators. It will provide a holistic platform to catalyze interactions between stakeholders in order to promote technology growth in the east and north east region of India, with special emphasis on empowering women entrepreneurs.

The BRTC program will also focus on mining the techno-commercial resource pool of East and North East region in order to address the prevailing gaps within the existing innovation ecosystem.



Bio-NEST was launched by BIRAC with a vision that focused on fostering the biotech innovation ecosystem in the country. Unlike start ups in the IT sector, enterprising ideas in the biotech sector need incubation support of a different kind where they need a landing space to test their ideas, run their operations, have access to high end instrumentations and locate in a place where they connect with other start ups and mentors. Bio-NEST program provides support to establish bio-incubators either as a standalone entity or as a part of the academia. Through Bio-NEST, BIRAC has supported 49 bio-incubators creating a cumulative area of 498449 sq. ft. for budding entrepreneurs.



KIIT Technology Business Incubator (KIIT-TBI), recipient of National Award for TBI in 2017 is a non-profit incubator established in 2009, as an initiative of KIIT Deemed to be University, Bhubaneswar and is supported by Government bodies like NSTEDB, DST, Meity, MSME, BIRAC, TDB to boost the entrepreneurial ecosystem in the country. Today KIIT-TBI is recognized at a Centre of Excellence in Incubation awarded by DST, Govt. of India.

Brewing BioEntrepreneurship in East & North East

KIIT-TBI, Campus 11, KIIT University
Bhubaneswar-24, Odisha

Website: brtc.kiitincubator.in
Mail: brtc@kiitincubator.in