



# Activity Report 2019-2023



### **CEO'S Message**



CEO, KIIT TBI

BIRAC BioNEST supported initiative, BRTC at KIIT-Technology Business Incubator has completed its three years term 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 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 to establish BioIncubator with KIIT TBI as the mentor incubator. As an impact of BRTC, Manipur Technology Innovation Hub was established by Ministry of IT, Govt. Of Manipur.

The positive impact has only been possible with strong mentorship and handholding. Throughout these years more than 62 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 enhance interactions, provide opportunities for peer to peer learning & build synergies in East and North East Region through the BIRAC East & North East BioNEST Cluster.

Onward and Upward!!!

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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** entrepreneurship Regional Techno 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 focuses on mining the technoprogram 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 and development provide structural 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
Adviser at Department Of
Biotechnology, 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** Advisor, KIIT-TBI



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



**Shilpa Nayak** Program Associate, BRTC, KIIT-TBI

#### **BRTC Mentors**



**Dr. Lipika Sahoo**Founder & CEO, Lifeintelect
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, ICGEB



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



**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



Dr. Sumpam Tangjang Prof, RGU



**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 COO, RISE Foundation IISER Prof, IIT, Guwahati



Dr. Sharmistha Banerjee



**Dr. Sinmoy Goswami** Prof, AIM, Guwahati



Dr. Swapnil Sinha **BioAptagen Laboratories** 



Dr. Priyansghu 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



**Ajoy Kumar** Chakraborty Chaukros International, Assam



Dr. Rakeshwar Bandichhor VC & Head of Chemistry, API-PR&D, Dr. Reddy's Laboratories



Dr. Chinmaya Kumar Sarangi Principal Scientist, CSIR-**IMMT** 



Dr. Soma Chattopadhyay Scientist F, ILS, Bhubaneswar Assistant Manager



Dr. Sagar Kumar Nayak **NETZSCH Technologies** 



Dr. Shivanand S. Shirkole Assistant Prof. **ICT-IOC** 



Ritesh Malani Ph.D. **Assistant Professor** ICT-IOCL



SSDJ College of Pharmacy



Dr. Atishkumar. S. Mundada Suman Kumar Nandy CEO, B3I Facility, NEHU, Tura



Dr. Prasoon kumar Assistant Prof, NIT Rourkela



Dr. Devendra K Sahoo Former Scientist, CSIR IMT



Dr. Binod Bihari Sahu Associate Professor, NIT Rourkela



Kishor Rajkumar MD & Chief Scientist Kwaklei and Khonggunmelei Orchids Private Limited



Prof. N. Panda Department of Animal Nutrition O.U.A.T,Bhubaneswar

#### **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 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.



# **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.



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.



# 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.



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.



#### 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 startups 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.



### 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.

#### 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 a 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.

An extension period was sanctioned to complete a few more BRTC programs in offline mode to create a larger impact across the East and Northeast. During the extension period, we have conducted 12 programs as per the mandate in Offline mode. 730+ innovators have been mapped and mentored during the physical programs. We have also facilitated technology deployment in NE with the help of Manipur Technology Innovation Hub, Manipur.

#### **BRTC Activities in East (E) and Northeast (NE)**

**67**Total Programs

#### Roadshow

Offline: 11 (5E & 6NE) Online: 8 (7NE & 1 E)

## Rural Women Entrepreneurship

Offline: 10 (4E & 6NE)

# Training Program

Offline: 4 (2E & 2NE)

Online: 21

#### Design Workshop

Offline: 4 (NE) Online: 2

# Incubation Practice School

Offline: 1 (NE) Online: 1 (NE)

## **NE Startup Showcase**

Offline: 1(NE)

# **NE Immersion Program**

Offline: 1 (NE)

#### **Boosting the Entrepreneurial Ecosystem in E & NE**

#### 5133+ Innovators

reached out during (2019-2023) 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.

#### 36 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 17+ crores 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: 21 Institutes

CSIR-NEIST Jorhat, Assam, NIPER Guwahati, Assam; Guwahati Biotech Park, 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, Manipur Technical University, Imphal, D.M. University Imphal, AIC, Sikkim Manipal University and RKVY-RAFTAAR Agri-Business Incubator (R-ABI), College of Fisheries, (CAU) Tripura), Haldia Institute of Technology, West Bengal, Pandit Deen Dayal Upadhyay Institute Of Agricultural Sciences, Manipur and Manipur International University, Manipur, NERIST, Nirjuli, Sadia College, Assam and Tili Incubator, Mizoram.

#### **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

**62** 

Mentors Onboarded from NE

100+

NE Start-ups handholding

50 +

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 Nilotpal Baruah
IIT Guwahati



Mr Sudarshan Gogoi IIT Guwahati



Ms Geetashori Yumnam Green Biotech EcoSolutions, Manipur



Mr Deepak Bharadwaj BioNEST-NIPER Guwahati



Ms Melinda Nongbet Sohlang NEHU Shillong



Dr Sanjay K Banerjee Farmgram Foodbev, Guwahati



**Dr Prachurjya Dutta**CSIR-NEIST Jorhat

#### **Biotechnology Ignition Grant - North East Special Call Awardees**



**Dr.Naba Kamal Nath** State: Meghalaya



Dr.Kalyan Kumar Sethi State:Assam



Tholua Pratisthan Pvt. Ltd. Trailukya Dutta Assam



Dr. Nageswara Rao Peela State: Assam



Zosang Agro Pvt. Ltd. Zosangzeli Chhakchhuak State: Mizoram



IG Drones Sambit Prasad Parida Odisha



Daphilari Nongklhaw State: Meghalaya



Jakoi Pvt. Ltd. Dr. Kiran Gogoi State: Assam



Brahmaputra technopharmaceuticals Pvt. Ltd. Somnath Chanda State: Assam



Dr. Ayam Victor Singh State: Arunachal Pradesh



Vertox Labs Pvt. Ltd. Salomi Dabral State: Odisha



Labdig Innovations and Systems Pvt. Ltd. Dr. Chayanika Deka Nath State: Assam



Dr. Atom Anupama Devi State: Manipur



Chayi Trails Pvt. Ltd. Nayan Jyoti Kalita State: Assam



Maiyon Agro LLP Premjit Okram State: Manipur



Melvyn Vanlalhlimpuia State: Mizoram



Sayed Zahid Mustabin State: Assam



Shabiha Nudrat Hazarika State: Assam



Dr. Manika Buragohain State: Assam



Gloria Nyenthang State: Nagaland



**Dr.Nima D. Namsa** State: Arunachal Pradesh



Dr. Akumtoshi Lkr State: Nagaland



**Dr.Taraknath Kundu** State: Sikkim



Monalisha Borthakur State: Assam



Dr.Laldingngheti Bawitlung State: Mizoram

#### Biotechnology Ignition Grantee from NE - 17, 18, 19, 20, 21& 22 Call



Dr. Ajanto Kumar Hazarika Assam



**Dr. Madhulekha Gogo**i Assam



**Dr. General Thiyam**Manipur



**Dr. Ananya Barman** Guwahati



**Dr Gaurav Jerath** Guwahati



**Dr. Chingakham Chinglenthoiba**Manipur



Aeroshil Nameirakpam Manipur



Javed Akhtar Barbhuiya Assam



Dr. Sangeeta Saikia Assam



Dr. Vinotsole Khamo Nagaland

#### **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

Dr. Swadheena Patro

Chhattisgarh Odisha

#### Biotechnology Ignition Grantee from East – 18

**Atul Anand Bajoria** 

Odisha

Dr. Neera Singh

Dr. Sikha Mandal

Mr. Mrutyunjaya Sahu

Odisha

Odisha

Odisha

#### Biotechnology Ignition Grantee from East – 19

Sangita Sriraman

Saurya Kumar Mishra

Odisha

Odisha

#### Biotechnology Ignition Grantee from East - 20

**Dr. Suman Chakraborty** 

Indrajit Chatterjee

Shakeeb Amen

Dr.Ramesh Chandra Biswal

West Bengal

**West Bengal** 

Jharkhand

Odisha

Dr. Ashok Kumar Badamali

Ms.Nikita Balriasingh

Dr. Bunushree Behera

Odisha

Odisha

Odisha

Dr. Sitabja Mukherjee

Odisha

#### Biotechnology Ignition Grantee from East – 21

**Manish Kumar Swain** 

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

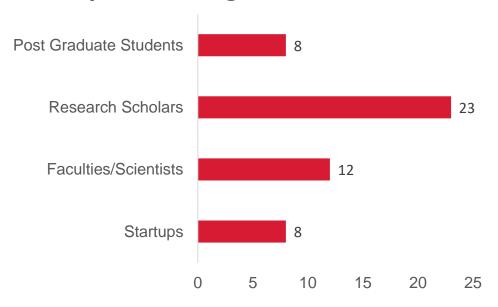
#### **Program Evaluation Criteria**

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

#### **Downloads**

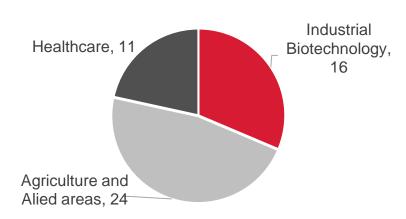
Program Flyer
Program Video
Program Brochure

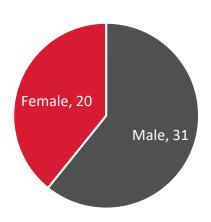
#### Participants' Background ——



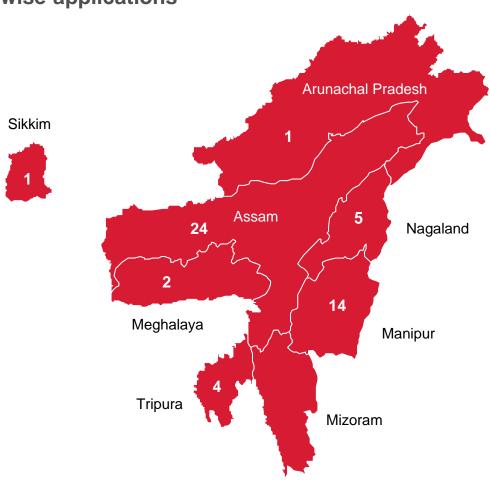
#### Thematic distribution of the applicants

#### **Gender ratio**





#### State wise applications







Mr. Ajoy Modak

Project: : Use of Ramie waste for mushroom

cultivation
State: Tripura

Category 1: Master Students (Pursuing/Completed)



Mr. Apurba Gohain

**Project:** : Investigating the Sustained-Release behavior of cellulose nanofibers embedded ureaformaldehyde 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



Mr. Apurba Das

**Project:** Development of hybrid ferroelectricpiezoelectric biocompatible ceramic composite for high performance biological coatings in implantable devices

and bio-electronic gadgets.

State: Assam

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



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





#### 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 1.0**

#### 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

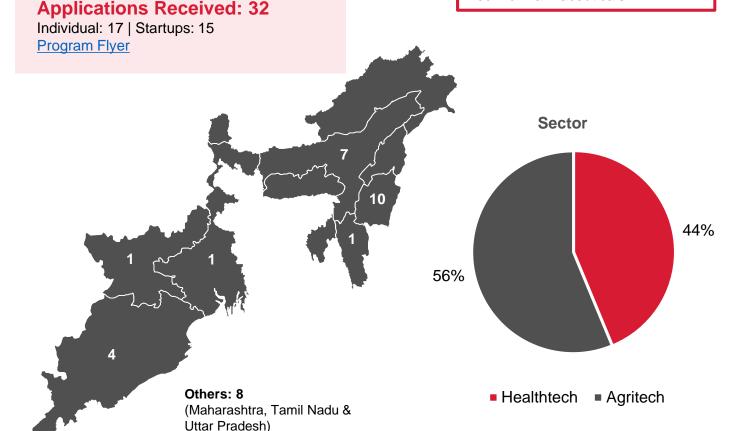
Attend three intensive coaching sessions. Perfect your pitch, value proposition, and business model.

#### **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.

#### **WINNERS**

- 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



#### **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

	the current year. The detail	. •	Hard In although	No of
S No	Date	State	Host Institute	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	190
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 (Virtua	)		
S No	Date	Topic	Speaker(s)	No of Participants	
		Basic Entrepreneurs	ship		
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	
	Воо	sting Sustainable Agricu	ılture & 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	
	ı	Boosting Livestock Prod	uction 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 2<sup>nd</sup> 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 innovators about various funding opportunities of BIRAC and other government agencies for starting a venture. The program also highlighted technologies available among various research institutes like IIT, CSIR and central universities sectors commercialization across for 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 entrepreneurship and covers topics such "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, bioentrepreneurs 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 2<sup>nd</sup> 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 program 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 production and livestock four under 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, affordability, packaging. appropriateness, performance, sustainability, importance and protection of IΡ (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 2<sup>nd</sup> 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 2<sup>nd</sup> 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 3<sup>rd</sup> 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.
- BRTC is assisting Mushroom Development Foundation for setting up of SFRUTI cluster in Assam, Meghalaya and West Bengal.
- BRTC and SFRUTI are trying to develop MSME cluster to provide financial assistance and jobs and overall upliftmen of the region

### Programs Conducted ——

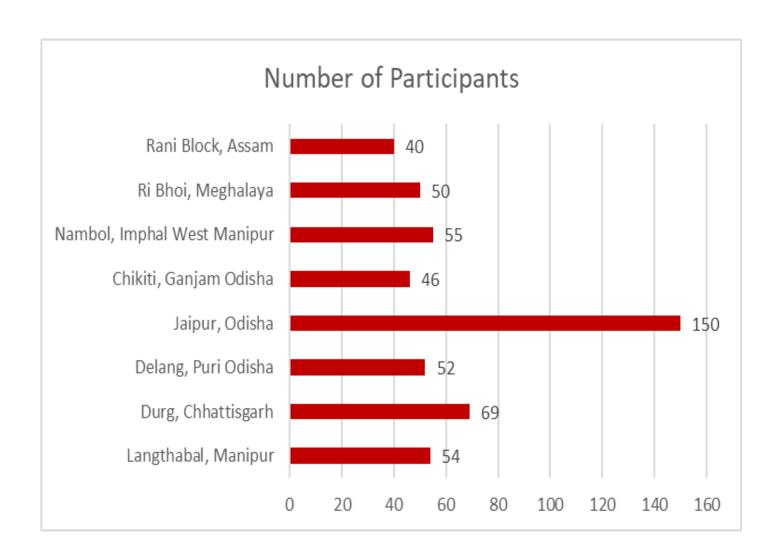
S No	Date	Venue	Training On	No of Participants	
	2019-2020				
1	9-11 November 2019	Imphal West, Manipur	Block printing and the use of natural dye	54	
2	19-21 November 2019	Durg, Chhattisgarh	Mushroom cultivation techniques and food processing	69	

#### 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



#### **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 Gol



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



Ms Taranjeet Kaur Manager-Entrepreneurship Development, BIRAC



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



Dr USN Murty
Director & Chairman,
BioNEST NIPER Guwahati



Dr Mrutyunjay Sua 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, SHARI India



Mr Rajneesh Kumar Technology Transfer Officer, BITS, Pilani



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

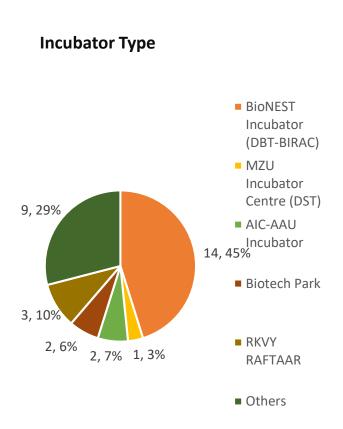


Mr Asutosh Nanda Lead-Technology Enabling Centre, KIIT University

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.

#### **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 Sikkm	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 & DBT & 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 & Dr. 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





















# **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



# Manipur Technology Innovation Hub (MTI Hub)

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

Manipur Technology Innovation Hub is set up in Imphal, Manipur under the aegis of Department of IT & Electronics, State Govt of Manipur with a holistic ambition to nurture and promote the ICT startup innovation ecosystem primarily across the North East and enable young entrepreneurs to initiate technology startups for commercial exploitation.

# **Facilities Offered**

Office or Coworking Space





**Design & Prototyping Facility** 

**Testing & Validation Centre** 



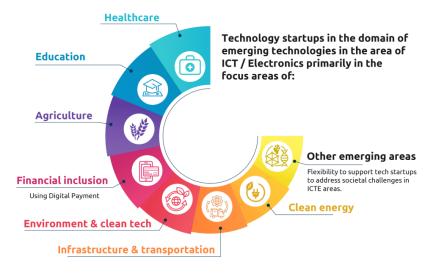


Networking and Funding Support

IP & legal compliance Services



# **Focus Areas**









SUPPORTED BY

ECOSYSTEM PARTNER

MENTOR NODAL INSTITUTION

**ACADEMIC INSTITUTIONS** 





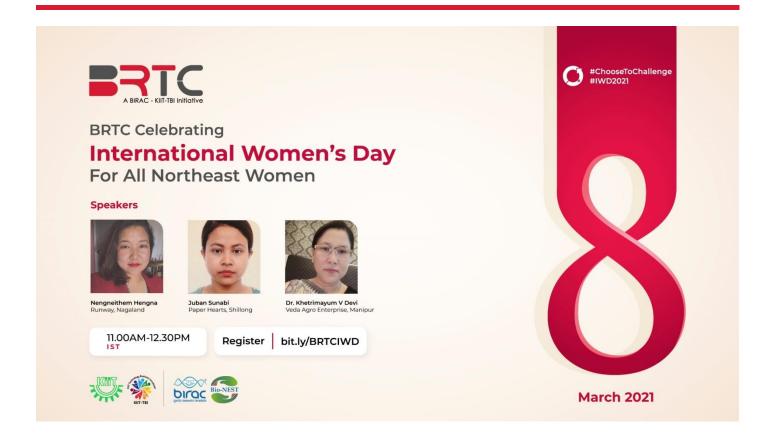






# **International Women's Day Celebration**

BRTC celebrated all Northeast Women Innovators and Startups on 8th 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 & NER

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 **21 institutes/ organizations**. To kickstart the joint collaboration, KIIT-TBI & BRTC partnered with NEHU Tura Campus and got one Livelihood promotion project sanctioned from the Department of Biotechnology, India.

BRTC KIIT TBI is also supporting institutes to establish BIRAC BioNEST Bioincubator where KIIT TBI will be the mentor incubator. NEHU Tura campus, CSIR NEIST have already established BIONEST Bioincubator. Pt Ravi Shankar and Tezpur University are currently being mentored in writing a competitive project proposal.



CSIR-NEIST Jorhat, Assam



Rajiv Gandhi University Arunachal Pradesh



NIPER Guwahati, Assam



**Green Foundation** Imphal



NEHU Shillong, Meghalaya



Manipur University Imphal, Manipur



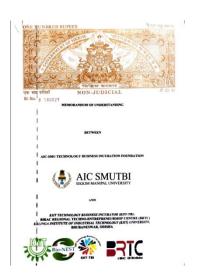
Mizoram University Aizwal, Mizoram



IASST Guwahati, Assam



Assam Downtown University Assam



AIC- Sikkim Manipal University TBI Sikkim



Manipur Technical University Imphal, Manipur



AIC- Gujarat Technical University Ahmedabad, Gujarat



Haldia Institute of Technology West Bengal



Pt. Deen Dayal Upadhyay Institute of Agricultural Sciences Manipur



Manipur International University
Manipur



Tili Incubator Aizawl, Mizoram



**NERIST**Nirjuli, Arunachal Pradesh



**Sadiya College** Sadiya, Assam



**Tripura University** Agartala, Tripura



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

# 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 for budding innovators
- 3. Need to developed institutional & Industry 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 18 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 BioNEST Incubators for providing the necessary infrastructure to the entrepreneurs.
- 5. Provide necessary R&D supports to utilize the resources of the region sustainable 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 program. People are now contacting us with their idea to help them get the financial assistance.
- 3. The number of startups being funded under various funding schemes have increased significantly.
- 4. The BIG NE special call is proposed to be made a regular call so that more participants can bet benefit out.
- 5. BRTC is working in establishing a hub and spoke model with various institutes to enable build an enabling platform. Manipur Technology Innovation Hub has been established and is supported by Ministry of IT, Govt. of Manipur.
- 6. To make the East and Northeast region a hub for startups and entrepreneurs in the coming decade.

# ACTIVITY IN EXTENSION PERIOD 2022-2023

# **Activity List under Extension Period**

SI. No	Event Details	No. of Programs conducted	Programs Details
	Rural Women		25-27 August 2022 Training on Chubuchi Preparation NEHU Tura Campus, Meghalaya
1	Entrepreneurship Training Program	2	29-31 August 2022 Training on Value Added Food Products Kuraopokpi Industrial Estate Kakching District, Manipur
2	Design Workshop on Innovation and Entrepreneurship	1	<b>29-30 August 2022</b> Haldia Institute of Technology, West Bengal
		3	<b>30 August 2022</b> Global Institute of Science & Technology, Haldia, West Bengal
- ≺	Roadshow on Seeding Bioentrepreneurship		<b>26 September 2022</b> KIIT University, Odisha
			<b>09 September 2022</b> Kaziranga University, Assam
			<b>8-9 September 2022</b> CSIR-NEIST, Assam
4	Capacity Building Training Program	3	<b>6-7 September 2022</b> College of Fisheries, Tripura
			<b>6-7 January 2023</b> KIIT-TBI, Odisha
5	NE Showcase Program	1	<b>1-2 February 2023</b> MTI-HUB, Manipur
6	NE Immersion Program	1	<b>9-10 December 2022</b> KIIT-TBI, Odisha
7	Incubation Practice School for E and NE	1	<b>3-4 February 2023</b> MTI-HUB, Manipur

# **ROADSHOW**

The one-day program was focused on sensitizing young entrepreneurs and spreading awareness among young entrepreneurs about various funding schemes of BIRAC and other government agencies. Participation from successful startups from the East gave the participants a chance to learn from the seasoned startups.

# **Program Agenda:**

SI. no	Details	Speaker
1	Introduction to the Program	Global Institute of Science & Technology
2	What is Bio-entrepreneurship?	Mr. Vishal JC, Head-Business Development, KIIT-TBI
3	Write to Win - Funding opportunities for entrepreneurs - Writing successful grants	Dr. Bhaskar Das, Senior Manager- Technology Business Incubator, KIIT- TBI
4	Commercializing your Idea - Idea to Business - Entrepreneurial Journey	Dr. Rahul Chatterjee, Founder- Krea Foods and Beverages Pvt. Ltd.
6	Closing Remarks	Global Institute of Science & Technology



**Participation:** 

147

The event was started by welcoming and introducing the esteemed guests to the crowd. The Principal in his opening speech welcomed the guests and expressed his gratitude to KIIT-TBI to organize such a Bio entrepreneurship programme.

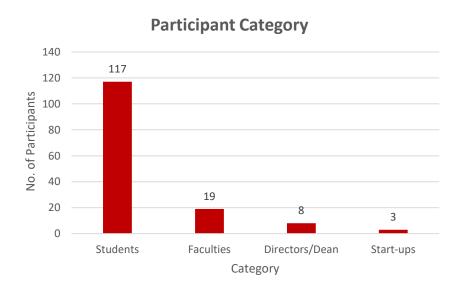
Mr. Vishal JC started his talk mentioning about BIRAC and its activities in promoting biotech startups in the country. He also elaborated about KIIT-TBI and how KIIT-TBI is promoting an entrepreneurial ecosystem in the Country. He also spoke about BRTC and its mandates and introduced different funding schemes of BIRAC to the audience. He encouraged the young minds to think beyond and start their entrepreneurial career and provided several examples of budding entrepreneurs.

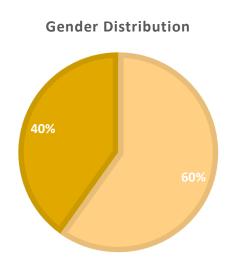
Dr. Bhaskar gave insights about BIRAC and how it helps entrepreneurs/start-ups by providing funds, incubation space, mentorship and recognition to entrepreneurs and innovators. He also detailed them on process of writing grant applications for funding.

In his talk, Dr. Rahul Chatterjee included his journeys of startup company from the scratch and what helped him to stand in the commercial market. He ended his talk mentioning how important the mentorship is in the entrepreneurship career.

Finally, there was a Q & A Session where keen students asked about their queries and feedback.

# Statistics:





# **ROADSHOW**

The one-day program was focused on sensitizing and spreading awareness among young entrepreneurs about various funding schemes of BIRAC and other government agencies. The students were also briefed about the importance of Intellectual Property Rights.

# **Program Agenda:**

SI. no	Details	Speaker
1	Welcome Remarks	Dr. TVVLN Rao, Kaziranga Unviersity
2	Overview of KIIT-TBI and BRTC	Ms. Riya Roy, Program Manager- Bioinnovation, KIIT-TBI
3	Grant Writing Session for BIG Northeast Special Call	Mr. Aryan Jaiswal, Program Associate-Bioinnovation
5	Fundamentals of Intellectual Property Rights	Ms. Srividya Ravi , Patent Associate at Gnanlex Hermeneutics Pvt.Ltd
6	Closing Remarks	Dr. TVVLN Rao, Kaziranga Unviersity



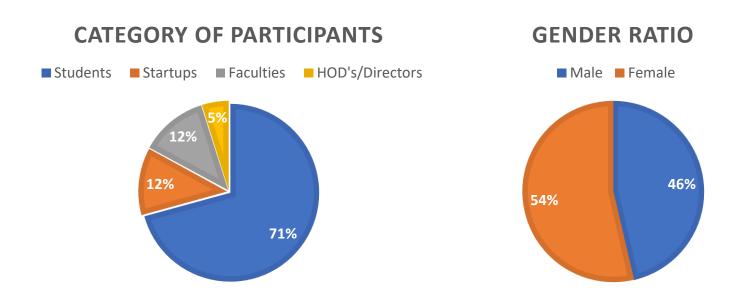
**Participation:** 

63

The event kicked off with a very energetic talk by the Dean of Civil Engi. Dept at Kaziranga University which was followed by an inaugural ceremony.

The first session by Ms. Riya Roy covered the vision, mission, and impact of BRTC so far. Post the opening session, she discussed the different funding opportunities for student entrepreneurs.

Her session was followed by a session by Mr. Aryan Jaiswal that was focused on how to develop an entrepreneurial mindset and the reason for selecting entrepreneurship as a career alternative. The next and final session by Ms. Srividya Ravi was on the fundamentals of Intellectual Property Rights and how one can leverage the benefits of licensing.



# **ROADSHOW**

The one-day program was focused on sensitizing young entrepreneurs and spreading awareness among young entrepreneurs about various funding schemes of BIRAC and other government agencies. Few student entrepreneurs joined the session and shared their innovation and their journey with the participants.

# **Program Agenda:**

SI. no	Details	Speaker
1	Welcome Remarks	Mr. Asit Behera, Assistant Professor, Dept. Mechanical Engg, KIIT DU
2	Overview of KIIT-TBI and BRTC	Ms. Riya Roy, Program Manager- Bioinnovation, KIIT-TBI
3	Grant Writing Session for BIG Northeast Special Call	Dr. Bhaskar Das, Manager- Bioinnovation, KIIT-TBI
5	Funding Opportunities for Entrepreneurs	Ms. Riya Roy, Program Manager- Bioinnovation, KIIT-TBI
6	Closing Remarks	Mr. Asit Behera, Assistant Professor, Dept. Mechanical Engg, KIIT DU



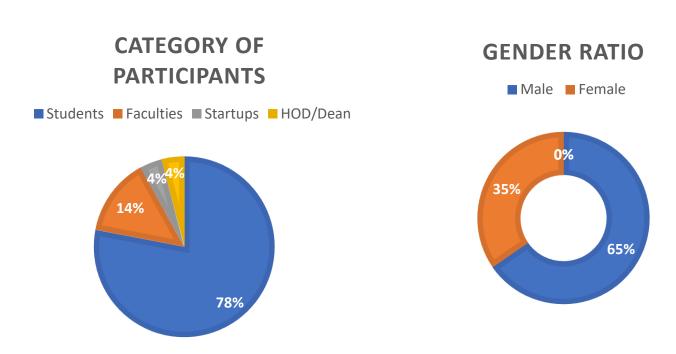
**Participation:** 

**52** 

The Roadshow was conducted in the Mechanical Engineering Department of KIIT University with 52 participants attending. Mr. Asit introduced the audience about the program and explained the purpose of promoting entrepreneurship in the country.

The first session on the Impact of BRTC and it's objectives was delivered by Ms. Riya Roy, Manager-BioInnovation, KIIT-TBI. The follow-on session comprised of the various tips of writing a successful grant by Dr. Bhaskar Das, Manager-BioInnovation, KIIT-TBI.

After a short networking break, the last session was delivered by Ms. Riya Roy on the different funding opportunities for entrepreneurs.



# CAPACITY BUILDING TRAINING PROGRAM

The two days structured program is designed especially for delivering insights on advance entrepreneurial skills and knowledge on intellectual property rights and the importance of commercializing the research. The program offers the participants an opportunity to learn about identifying the novelty in their research or project, tips on writing grants, business plan design and intellectual property rights

# **Program Agenda:**

	Day 1 (6.09.2022)			
Sl.no	Topic	Expert		
1	Introduction to the program	Central Agriculture University		
2	Who is an Entrepreneur and the opportunities for entrepreneurs	Mr. Ray Sai Soubhagya, Program Associate, KIIT-TBI		
3	Write to Win: Tips on writing successful proposals	Dr. Arpan Ghosh, Manager-Bioinnovation, KIIT-TBI		
4	Existing Technologies at CAU	Central Agriculture University		
5	Design a Sustainable Business Plan	Mr. Sudhir Jha, Manager - Technology Innovation and Management, BCKIC		
6	Sharing Entrepreneurial experience	<ul> <li>Dr. Shoan Ray Chaudhuri, Waste to Wealth Innovations</li> <li>Nibiaa Devices Pvt. Ltd.</li> <li>Dr. General Thiyam</li> </ul>		



**Participation:** 

41

	Day 2 (7.09.2022)		
Sl.no	Topic	Expert	
1	Fundamentals of Intellectual Property Rights	Ms. Smrita Pathak, Assistant Manager - Intellectual Property, BCKIC	
2	Hands-on training of Prior-Art-Search	Ms. Smrita Pathak, Assistant Manager - Intellectual Property, BCKIC	
6	Closing Remarks and certificate distribution	CAU	

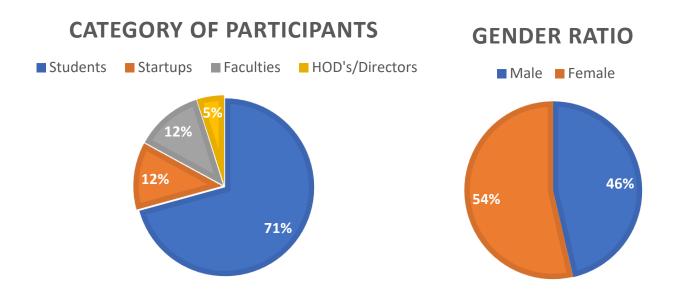
The event kicked off with an inaugural ceremony and felicitating the experts by the Dean of CUF, College of Fisheries. The first session of the day was delivered by Mr. Ray SaiSoubhagya, Program Associate at KIIT-TBI. He discussed the support and incubation model provided by KIIT-TBI and BRTC.

The next session on Grant Writing for BIRAC BIG-NE was delivered by Mr. Arpan Ghosh, Program Manager at KIIT-TBI. He covered all key points of how to write a winning grant and also demonstrated the online application at the BIRAC Portal.

The exciting innovative technologies of the institute were covered in the next talk.

The post-lunch sessions started with designing a sustainable business plan by Mr. Sudhir Jha from BCKIC. He discussed various case studies for easy understanding of the students and participants. In order to motivate the audience, we had an experience-sharing session with Dr. Thiyam General and Dr. Shaon Ray who is BIRAC supported, northeast entrepreneurs.

The next day of the training program was dedicated to Intellectual Property Rights. Ms. Smrita Pathak, gave a detailed session of what are the different types of IP and how one could benefit from them. She gave hands-on demonstrations of prior –art-search and tips for unfolding a patent application.



# CAPACITY BUILDING TRAINING PROGRAM

The two days structured program is designed especially for delivering insights on advanced entrepreneurial skills and knowledge on intellectual property rights and the importance of commercializing the research. The program offers the participants an opportunity to learn about identifying the novelty in their research or project, tips on writing grants, technology transfer, and clinical trials

# **Program Agenda:**

	Day 1 (8.09.2022)			
Sl.no	Topic	Expert		
1	Registration	At Venue , CSIR-NEIST BioNEST		
2	Opening Remarks	Dr. G. N. Sastry, Director, CSIR-NEIST		
3	Overview of KIIT-TBI and BRTC	Ms. Riya Roy, Program Manager- Bioinnovation, KIIT-TBI		
4	Translating Idea to Innovative Project	CSIR-NEIST BIONEST		
5	Mind-set of an Entrepreneurs	Mr. Aryan Jaiswal, Program Associate- Bioinnovation, KIIT-TBI		
6	Opportunities for Entrepreneurs	Ms. Riya Roy, Program Manager- Bioinnovation, KIIT-TBI		
8	Write to Win: Tips on writing successful funding proposals	Mr. Aryan Jaiswal, Program Associate, KIIT- TBI		
9	Commercializing your Research - Fundamentals of Intellectual Property Rights - Details on Technology Transfer	Ms. Srividya Ravi, Patent Associate Gnanlex Hermeneutics Pvt.Ltd		



**Participation:** 

42

Day 2 (9.09.2022)			
Sl.no	Topic	Time	Expert
1	Clinical trials of Drugs	11 AM	Dr. Ravindra Ghooi , Director Scientia Clinical Services
2	Clinical Trials of Devices	12 AM	Dr. Ravindra Ghooi, Director Scientia Clinical Services
6	Clinical Trial Designs	2 PM	Dr. Ravindra Ghooi, Director Scientia Clinical Services
7	Closing Remarks and Feedback	4 PM	CSIR-NEIST

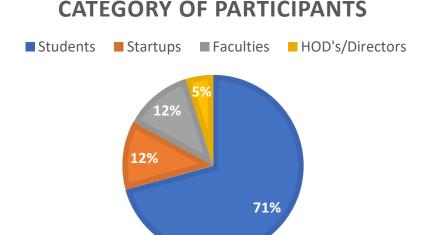
The event was started by welcoming and introducing the esteemed guests to the crowd. Dr. GN Shastry, Director of CSIR-NEIST delivered his opening speech welcomed the guests, and expressed his gratitude to KIIT-TBI to organize such a Bio entrepreneurship program.

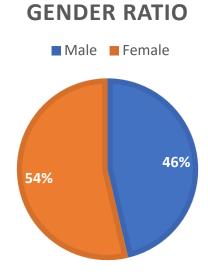
The opening session by Ms. Riya Roy was to give the participants a brief of the program and the objective of conducting the two days training program. This introductory talk was followed by a session by Dr. Ajoy Chakraborty, Manager, BioNEST, CSIR-NEIST. He talked about how one can translate a research idea into an innovative entrepreneurial project.

Mr. Aryan Jaiswal delivered the next session on what should be the mindset of an entrepreneur and what are the skills of a successful entrepreneur. Post his session, Ms. Roy discussed the various funding opportunities for early-stage and aspiring entrepreneurs.

Post-lunch sessions were dedicated to grant writing tips for BIRAC BIG-NE by Mr. Aryan Jaiswal and the closing session of the day by Ms. Srividya Ravi enlightened the participants about the utilities of Intellectual Property Rights and how to do an FTO search.

The second day of the workshop was solely focused on clinical trials and regulation of Drugs and Devices by Dr. Ravindra Ghooi. He explained everything about clinical trials, and how to design clinical trials for various types of drugs and devices. He also discussed a few case studies and had an interactive Q&A session post his talk.





# CAPACITY BUILDING TRAINING PROGRAM

RADAR-thon was an exclusive hackathon for collecting ideas on robotics & drone technology in the field of agriculture & healthcare, to take it to the next level with mentoring, prototyping & funding support. The hackathon was organized on the 6th and 7th of January, 2023 at DST NIDHI Centre of Excellence, KIIT TBI, Bhubaneswar.

Participation:

10
Prototype ready
Startups



# **Program Agenda:**

	Day 1: 6th January 2023
10:00 AM - 10:30 AM	Registration
10:30 AM - 11:00 AM	KIIT TBI Ecosystem
	-Dr. Mrutyunjay Suar, CEO KIIT TBI
	-Mr. Vishal JC, Lead – Business Development, KIIT TBI
11:00 AM – 11:45 AM	Introduction of Team
11:45 AM – 12.30 PM	Funding opportunities and Pitching
	-Dr. Namrata Misra, Head Technology Incubation, KIIT TBI
12:30 PM – 1.15 PM	My Story Session: Experience Sharing
	-Mr. Ayaskant Mohanty, MD, TATWA Technology
2:00 PM - 2:45 PM	Design Thinking
	AI & Block chain in Automation -Mr. Vishal JC, Lead – Business Development, KIIT TBI
2:45 PM – 3:30 PM	Drone Designing & Customization for Healthcare & Agriculture Applications -Mr. Abinash, Co-Founder, CTO-BONV Technology
3:30 PM - 4:15 PM	-Mr. Satyabrata Satapathy, CEO & Director, BONV Technology  Electronics & Semiconductor
	-Mr. Subhendu Satpathy, Founder of MOKKOMOTTO
4:15 PM – 4:45 PM	Robotic Automation in Building Next-Gen Innovations (Focused of Healthcare & Precision Agriculture)
	-Dr Anish Pandey, Head- Robotics Society and Asst. Professor KIIT University
4:45 PM – 5:15 PM	My Story Session: Experience Sharing
	- Mr Bodhisatwa Sanghapriya, Co-Founder, IG Drones
5:15 PM – 6:30 PM	Activity Session
	Prototype Building/Assembly
	<ul> <li>Stakeholder Engagement with Startup/Innovators</li> </ul>
	One-on-one session with Mentors
	-Dr Anish Pandey, Head- Robotics society and Asst. Professor, KIIT UniversMr Abinash, Co-Founder, CTO- BONV Technology

	-Mr Rajendra Prasad Das, Co-Founder, Darubrahma Automation -Mr Bodhisatwa Sanghapriya, Co-Founder, IG Drones- -Mr Ayaskant Mohanty, MD, TATWA Technology -Mr Vishal JC, Business Development, KIIT TBI -Dr Namrata Misra Head Tech Incubation KIIT TBI
	Day 2: 7th January 2023
10:30 AM – 1:30 PM	Product Showcasing, Pitching & Evaluation of the Idea
	- Mr Ayaskant Mohanty, MD, TATWA Technology
	- Dr. Debendra Kumar Sahoo, Professor R&D & Innovation, KIIT University
	- Mr Vishal JC, Business Development, KIIT TBI
	-Mr. Subhendu Satpathy, Mokkomotto Pvt. Ltd.
	Announcement of Results

BRTC in collaboration with DST-CoE organized RADAR thon 22 on 6th & 7th January 2023, a 2-days hackathon program that provided a forum for innovators and companies to display their functional prototypes in the Robotics, Drones, and Automation Sector.

The program consisted of masterclasses, discussion sessions with experts and mentors like - Ayaskanta Mohanty, MD of Tatwa Technology, Satyabrata Satapathy, CEO & Director of BONV Technology, Subhendu Satpathy, Founder of Mokkomotto, Surjeet Singh Gour, Founder of IVEYS Technology, and Sambit Prasad Parida, CTO of IG DRONES. It served as a wonderful springboard for ideas for developing cutting-edge solutions for agritech and health technology. Furthermore, The second day was the pitching day for the competing teams.

All the ideas were distinctive in their own way. However, a consensus recommendation was made by the experts to support Mr. Lalatendu Mahapatra, Safetech Innovation Pvt Ltd who is developing an IoT-based detection system for firefighting applications under the NIDHI EIR scheme at KIIT-TBI.



# **DESIGN WORKSHOP**

The 2 days design workshop is an extensive program focusing on product design and business design program by domain experts and mentors. The program is segregated into pre-hack training sessions, one-to-one pitch building with mentors, and a final presentations by the teams.

# **Program Agenda:**

	Pre-Hackathon Training Sessions		
	Day 1 (29.08.2022)		
Sl.no	Topic	Expert	
1	Introduction to the program	Haldia Institute of Technology	
2	Who is an Entrepreneur and the opportunities for entrepreneurs	Mr. Vishal JC, Head- Business Development	
3	Write to Win: Tips on writing successful proposals	Dr. Bhaskar Das, Senior Manager-Technology Incubation, KIIT-TBI	
4	Existing Technologies at Haldia Institute of Technology	Haldia Institute of Technology	
5	Entrepreneurial Lessons for Startups	Dr. Sanchita Mukherjee, Founder, Rigel Bionenviron	
6	Sharing Entrepreneurial experience	Mr. Rahul Chatterjee, Founder, Krea Foods & Beverages Pvt. Ltd.	
7	How to design a Winning Pitch	Dr. Dhananjay Banthia, Founder-Smart Acumen Consulting	



**Participation:** 

105

	Open-Mic Pitch  Day 2 (30.08.2022)				
Sl.no	Topic	Expert			
1	The Art of Story Telling	Dr. Dhananjay Banthia, Founder-Smart Acumen Consulting			
2	One to one mentoring and pitch presentation to expert panel	Panel Members: Mr. Vishal JC, Dr. Dhananjay Banthia, HIT representatives			
3	Certificate distribution and closing remarks				

The Event was Inaugurated by the Chairman of Haldia Institute of Technology, West Bengal along with the Principal of the College. The welcome address was followed by the first session of the Pre-Hackathon Training on the skillsets of entrepreneurs and the existing opportunities for entrepreneurs. This was followed by Mr. Vishal JC, who is an able start-up mentor and guide.

Dr. Bhaskar Das in the next session detailed to the participants about the bests practices for writing a successful funding proposal through case studies and examples. Dr. Datta from HIT detailed to the participants the facility available at HIT for technology development and how they have been assisting entrepreneurs and promoting entrepreneurship at Haldia.

Post-lunch sessions started with Entrepreneurial lessons from successful entrepreneurs namely, Dr. Rahul Chatterjee, Founder of Krea Foods and Beverages, and Dr. Sanchita Murkherjee, Founder of Rigel Bionviron Pvt. Ltd. They shared their experiences to motivate the aspiring entrepreneurs towards building a sustainable venture.

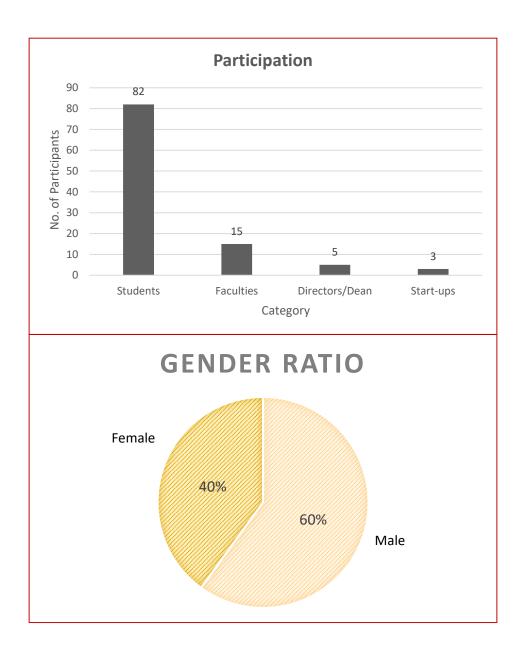
Mr. Dhananjay Banthia, who is a renowned business expert and Start-up mentor delivered the next session on what are the components of a winning pitch and how to prepare your slide deck for investors.

The second day started off with a very exciting session by Mr. Dhananjay Banthia on how to tell a compelling story. The art of telling a story that adds to the success of an entrepreneur.

After the lecture session, the pitching started where 18 teams gave a presentation and the experts shared feedback and comment to refine their innovation.

We concluded the session with an interactive QnA round and feedback from the participants.

# Statistics:



# **NE IMMERSION PROGRAM**

# **Overview**

The program was aimed to facilitate peer-topeer learning and adapting best practices from promising startups from outside NE. It provided a platform for all startups to interact and network with industry leaders, policymakers and various stakeholders.





# Program Agenda (9-10 December 2023):

0930-1030h	REGISTRATION
1030-1200h	Inaugural session '
1030-1035h	Invitation to the Dais and Lighting of the Lamp
1035-1040h	Welcome address by <b>Dr Mrutyunjay Suar</b> , CEO, KIITTBI
1040-1045h	Address by <b>Prof. Sasmita Samanta</b> , Vice Chancellor, KIIT University
1045-1050h	Address by <b>Mr Gautam Kumar</b> , Founder Fareye
1050-1055h	Address by <b>Dr Sunil Shukla</b> , DG EDII, Ahmedabad
1055-1100h	Address by <b>Cmde Amit Rastogi</b> , CMD-NRDC
1100-1105h	Address by <b>Sh H K Mittal</b> , Former Secy, TDB, DST, Gol
1105-1115h	Address by <b>Prof Achyuta Samanta</b> , Founder KIIT &KISS
1115-1125h	Address by Guest of Honour, <b>Sh Rajesh Pathak</b> , Secretary, TDB, Gol
1125-1140h	Address by Chief Guest <b>Sh Lok Ranjan</b> , Secretary, DoNER, Gol
1140-1145h	Release of KIITTBI Impact Report
	Vote of Thanks
1150h	Inauguration of NE Startup Expo
1205-1215h	High Tea

Unleashing the	potential of NE for Innovation & Entrep	preneurship
1415-1430h	NE Impact Report Launching Video NE Startup Product Launch	Moderated by <b>Dr Namrata Misra</b> , Head-Tech Incubation, KIITTBI
1430-1445h	Personal Journey experience to inspire the tomorrow of businesses	Mr Sahil Jagnani, Co-Founder, Primary Healthtech Pvt Ltd Dr Thiyam General, Founder, Gen Net Nutrition Pvt Ltd Dr Sudarshan Gogoi, Founder, Bio-Dtect Pvt Ltd
1445-1500	Concluding Remark	<b>Sh Lok Ranjan</b> , Secretary, DoNER, Gol

BRTC at KIIT-TBI hosted 2 Action Packed days of celebrating Entrepreneurialism on 9th and 10th December 2022 at KIIT - Technology Business Incubator, Bhubaneswar where 16+ Northeast startups from all the NE states participated and showcased their technologies.

On the 9th of December 2022, the blooming Entrepreneurs from North Eastern region like Mr. Sahil Jagnani, Co-Founder of Primary Healthtech Pvt. Ltd., and Dr. Thiyam General, Founder of Gen Net Nutrition Pvt. Ltd. shared their Entrepreneurial Journey at the gathering.

Shri. Lok Ranjan, Secretary, Ministry of Development North Eastern Region, Gol unleashed the potential of the North East for Innovation & Entrepreneurship and launched the Impact Report and Video of the North East Incubation Ecosystem. Followed by Startup Product Launch. The startups also got a chance to demonstrate their innovations to various industry leaders and policymakers.

#### NORTH EAST STARTUP SHOWCASE SUMMIT

#### Overview

North East Startup Showcase Summit 1.0@ Manipur was held on 1st & 2nd February 2023 at Manipur Technology Innovation Hub, Imphal. The first NESS Summit was organized jointly in collaboration with the Department of Information Technology, Government of Manipur & Manipur **Technology** Innovation Hub, and Bhubaneswar City Knowledge Innovation Cluster Foundation. The event has accelerated the cross-talks among startups from different domains coming from various states and offered a platform to promising start-ups from outside NE and aspiring entrepreneurs across NER to showcase their technology/ product understand the demonstration to best practices and encouraged the seeding of enterprises in the North Eastern Region by mature startups from outside NE India.



# Participation: 40+ NE Startups

# **Program Agenda:**

Day 1: 1st February 2023 Day 2: 2<sup>nd</sup> February 2023 **SESSIONS SESSIONS** 1 Inauguration 1 Pitching session by Start-ups outside NE & Discussion 2 Release of MTI Hub Impact Report & Play of Video 2 Pitching session by Start-ups from NE & Discussion Tech Development to Deployment: Challenges & Way Forward 3 Announcement of start-ups receiving probono Incubation support by KIIT-TBI by Dr Mrutyunjay Suar, CEO KIIT-TBI 4 Conclusion Remarks 4 BRTC Driving Entrepreneurship in North East by Dr. Namrata Misra, Head Technology Incubation KIIT-TBI 5 MTI Hub to promote entrepreneurship in Manipur by Dr. Rajiv Kangabam, Manager, BRTC and MTI Hub

6 Inauguration of North East Start-up Showcase Expo

The first NESS Summit North East Startup Showcase Summit 1.0@Manipur was inaugurated by Dr. Sapam Ranjan Singh Hon'ble Minister of Medical, Health and Family Welfare & Publicity and Information, Government of Manipur along with Shri Nambam Deben, Director, Department of Information Technology, Government of Manipur, Dr. Mrutyunjay Suar, Chief Executive Officer, KIIT-TBI & Chairman, BCKIC, Dr. Namrata Misra, Head Technology Incubation, KIIT-TBI.

During NESS Summit an Impact Report was launched by the Chief Guest & eminent dignitaries. The Impact report highlighted the detailed program of the NESS Summit along with Profiles and Tech Brief of startups who have participated and showcased their products/services and ideas.

Dr. Sapam Ranjan Singh Hon'ble Minister of Medical, Health and Family Welfare & publicity and Information, GoM along with Shri Nambam Deben, Director, Dept. of IT GoM, Dr. Mrutyunjay Suar, CEO, KIIT-TBI & Chairman, BCKIC, Dr. Namrata Misra, Head Technology Incubation, KIIT-TBI have inaugurated the exhibition stall wherein 40 startups have showcased their products and ideas out of which 35 are from North East and 5 are from beyond NER.

The highlight of the event was the pitching session of 35 startups from different sectors pitched and the best 5 startups were awarded pro bono Incubation Service for 3 years along with product development assistance.

Five Startups are:Picasoid Health Technology Pvt. Ltd.
Korou's Water
Ashatech
October Pumpkin Co.
Anguki Industries Pvt Ltd.

A total of 22 startups (16 Startups from North East & 6 startups beyond NER) have signed MoU with KIIT-TBI & MTI-HUB during the MoU signing ceremony for a period of one-year pro bono incubation support. Also an MOU was signed with Manipur International University for R&D and entrepreneurship development.

# **Startup Showcase**





































































# INCUBATION PRACTICE SCHOOL FOR NORTHEAST

#### Overview

The "BINER 2023: Essentials of Building Sustainable Incubator Ecosystem in North East Region" has been designed for business incubation managers and other stakeholders, particularly from the NE region wishing to increase their understanding and know-how of the incubation process to help build their capacity and influence the success of their incubators.





# **Program Agenda:**

# **AGENDA**

Day 1: 3rd February 2023

#### **Opening Remarks** (Time: 11.00h-11.15h)

#### SESSIONS

1 DESIGN (Planning the Incubator)

(Time: 11.15h-12.00h)

- a. Role of Incubator
- b. Identifying Legal Structure
- c. Host Organisation's Perspectives
- d. Design the Ecosystem

#### **EXPERIENCE SHARING by Startups to** know their needs better

(Time: 12.00h-1.00h)

----- ( BREAK 1.00 - 2.30h) -----

#### 3 BUILD (Developing Incubator's Strategy)

(Time: 2.30h-4.00h)

- **Building Team**
- Understanding Start-ups & Identifying Start-up Support
- Identifying Revenue Streams
- Mapping Capabilities
- Building Support system for Startups
- Impact Assessment Metrics

----- Open Discussion (Time: 4.00h-4.30h) -----

3rd - 4th February 2023 (11:00 AM - 04:30 PM)

#### Day 2: 4th February 2023

# 4 OPERATE (Beginning Operations)

(Time: 11.00h -12.00h)

- a. Activities & Programmes
- b. Programme Management Componentsc. Support system for Startups
- d. Financial Assistance to Start-ups
- e. Grant writing
- f. Patent Filing

#### 5 SUSTAINABLE (Sustainability path of Incubator)

(Time: 11.00h -12.00h)

- a. Activities & Programmes
- b. Programme Management Components
- c. Support system for Startups d. Financial Assistance to Start-ups
- e. Grant writing
- f. Patent Filing

----- ( BREAK 1.00 -2.30h) -----

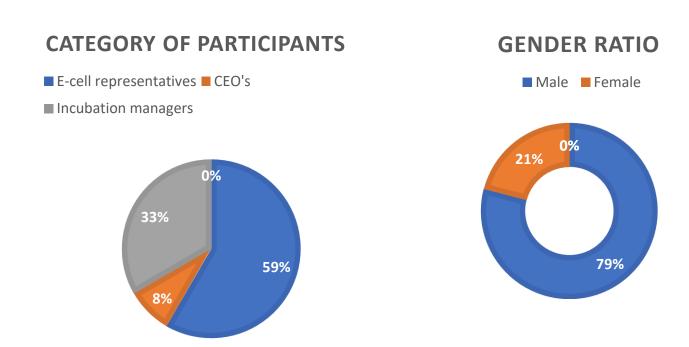
#### 6 MOU Signing between KIIT-TBI and Startups/Institutes of NE

(Time: 2.30h-3.30h)

\*\*\*\*\*\*\*\*\*\*\*\*\* Closing Session & End Of Program \*\*\*\*\*\*\*\*\*

BINER 2.0 was a kind of program for building potential Incubation Managers and leaders to run a successful incubator. The program cohort was a unique mix of participants with representatives from organization e-cell and innovation cells, CEOs of skill development foundations, and members of incubators who attended the two days program at MTI-Hub, Imphal, Manipur. The first day was kick-started with opening remarks by Dr. Rajiv Kangabam, Manager BRTC on the various program and activities being carried out in North Eastern and Eastern parts of the country to foster the startup ecosystem in the region. This was followed by a very interactive ice-breaking session where the individual participants introduced themselves and highlighted their intentions and objective for joining this workshop. The first day comprised of two important sessions on Building and Designing an Incubator by Dr. Mrutyunjay Suar, CEO, KIIT-TBI and Dr. Namrata Misra, Head-Technology Incubation, KIIT-TBI. A few startups also shared their experience and how an Incubator was instrumental in the overall product development journey.

The session on the second day emphasized operating an incubator and building a sustainable model for the Incubator by Dr. Mrutyunjay Suar which was followed by the signing of MOU with a few of the institutes from NE.



# NE India launchpad 2.0

NE Launchpad 2.0 by MeitY Startup Hub was announced in 2023 in collaboration with BRTC-KIIT-TBI, Bhubaneswar City Knowledge Innovation Cluster(BCKIC) and Manipur Technology Innovation Hub (MTI-Hub).

This call for the accelerator program received an overwhelming response from NE innovators and entrepreneurs. And received a total of **93 applications from NE and 60 applicants were shortlisted for the accelerator program.** 

The two weeks accelerator program covered topics to help startups move from stage A to stage B. The sessions were focused on Idea Validation, Design Thinking, developing Business Model and exploring the priority areas of Innovation in the Northeast. The legal compliances and the utilization of intellectual property rights to build their startups were briefed to the innovators.

#### The top 11 finalists after the Demo Day were awarded:

- Cash Prizes, Fellowship & Fund Raising support for building PoC/Prototype
- IP Support & Assistance
- Pre-Incubation Support
- Access to mentors & Investor Network







YEAR	
2021	
2020	
2019	
2018	

#### **INAUGURATION PROGRAMME ON "BREWING BIO ENTREPRENEURSHIPS IN MANIPUR**





মণিপুরী ইদিসন State India World Sangai Digest General Articles Sports Forum

Awareness programme held at MIMS

IMPHAL, Mar 18

A programme on "Brewing Bio Entrepreneurships in Manipur" began today at MIMS 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-TBI) Bhubaneswar and will be held till March 20, said a statement of MU. Professor S Sanatombi Singha, vice-chancellor MU , Prof S Mangi Singh, Dean of School of Social Science MU, Dr Mrutyunjay Suar , CEO, KIIT-TBI,Bhubaneswar, Prof L Prabhakar Singh, Director of Manipur Institute Management Study, (MIMS) and Prof N Rajmuhon Singh of Department of Chemistry, MU have graced the function as the presidium members.

Prof S Sanatombi Singha 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 থৌদাং

# রুরেল রুমেন ইন্টরপ্রেন্যুরশিংগী ইনকম হেনগৎহন্নবগী প্রেক্তিকেল ত্রেনিং হৌখ্রে

থৌদাং পাউমীদগী इं यान, यार्ह বাইওটেক্লোলোজি ইন্দষ্ট্রি রিসার্ছ লমদম অসিগী ইন্টরপ্রেনু্র এসিট্রেন্স কাউন্সিল(বিরাক) নুপীশিংগী ইনকম হেনগংহরবগী রিজনেল টেকো-ইন্টরপ্রেন্যুরশিপ পান্দমদা পাঙ্থোকখিবা নুমিৎ প্রোমোসন সেন্টর (বিআরটিসি) / ছিন্নগী ওইবা ত্রেনিং প্রোগ্রাম অদুদা কলিঙ্গা ইন্সটিট্যুট ওফ ইন্দষ্ট্রিয়েল টেক্লোলোজি (কিআইআইটি)-টেক্নোলোজি ব্যুজিনেস ইনকুবেটর (টিবিআই), ভুবনেশ্বর অমসুং গ্রীন काउँ त्प्रिन, इंस्काल अनिना শিন্দুনা নুমিৎ হলিগী ওইবা প্রেক্তিকেল ত্রেনিং ওন লোকেল্লি এভাইলেবল সেরেয়েল প্রোসেসিং ৱিথ স্পিসিয়েল ইন্ফেসিস ওন চাক-হাও(লোকেল্লি ব্লেক স্কেন্টেদ রাইস) ফোর ইনকম জেনরেসন ওফ রুরেল রুমেন' হায়বা ত্রেনিং প্রোগ্রাম অমা ঙসিদগী কাংমোং লালোনজম লৈকাই, ইম্ফাল প্ৰদক্তসনদা কালিটি অমসুং ৱেষ্টকী কম্ম্যুনিতি হোলদা পাঙ্থোকশ্বে।

মণিপুরদা লৈরিবা রুরেল রুমেন ইন্টরপ্রেন্যুরশিংদা লৈরিবা ত্রেদিমেল ওইবা নোলেজশিং অদুগী মথক্তা এক্সপার্টশিংদগী মোদর্ন লোয়রবা মতুংদা নুপীশিংগী ওইবা

ওইবা টেক্নোলোজি শিজিন্নদুনা মতিক চাবা ইন্টরপ্রেন্যুর ওইহন্দুনা নুপীশিংগী ইনকম হেনগংহরবগী िष्क शिष्ठकी बाद्यान श्रीतपूरी বিআবটি সি প্রোজের क् आइ आई हि - हि वि अन शी মেনেজর ডাঃ রাজিব কাঙবমনা হায়, মণিপুর য়াওনা নোর্থ ইষ্টতা লৈরিবা টার্ট অপ অমসুং ইন্টরপ্রেন্যুর ক্যাদা ইন্টরপ্রেন্যুরশিপ দিভলপমেন্ট তৌনবা অমসুং ফন্দিং করি করি লৈবগে হায়বা খঙহনবগা লোয়ননা সাইন্টিফিক ওইবা টেক্নোজেশিং হাপচিন্দ্না লমদম অসিগী ত্রেদিম্লেল ওইবা প্রোপরটি হেনগংহন্দুনা রুরেল এরিয়াদা লৈরিবা নুপীশিংগী শেল থুমগী ফিভম ফগৎহরবগী পান্দমদা **ত্রে**নিং অসি পাঙ্থোকপনি। ত্রেনিং অসি

ক্লষ্টর শেমদুনা ফুদ প্রোমেসিংদা তৌরিবা থবক হেনগংহন্দুনা পীবা য়াবা মতেং পীনবগী ৱাফম য়াওরি। মীওই ২০০ / ৩০০ গী ওইবা ক্লষ্টরদা প্রোসেসিং য়ুনিট লিংখৎতুনা মখোয়গী প্রদক্তসন হেনগৎহন্দুনা ব্যুজিনেস অদু হেনা চাওথোকহনবা হোৎনবদা মতেং পাংবনি হায়না ডাঃ রজিবনা ফোঙদোকখি।

মহাকা মখা তানা হায়,মখোয়গী সোসিও ইকোনোমিক হেনগংহরবগী মতাংদা গ্রীন ফাউন্দেসননা থবক ক্যা পাযখংনবা বিবাক বিজনেল টে কে 1-ই न्ট রপে ন্যুরশিপ প্রোমোসন সেন্টর (বিআরটিসি) / কলিঙ্গা ইন্সটিট্যুট ওফ ইন্দষ্ট্ৰিয়েল টেক্লোলোজি (কিআইআইটি)-টেক্নোলোজি ব্যুজিনেস ইনকুবেটর (টিবিআই), ভুবনেশ্বরনা গ্রীন ফাউন্দেসনগা মেমোরেন্দম অমা সাইন তৌনখে। এমওয়ু সাইন তৌনরবা মতুংদা ঙসিনা অহানবা ওইনা রুরেল বুমেনগী ইকোনোমি হেনগৎহরবা ত্রেনিং প্রোগ্রাম অসি পাঙ্গেকপনি হায়খি।

# 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, KI-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 technol-TN ogy 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.

# DJOKO SPENDS ne pioneer

# Manipur inks pact with KIIT for tech hub

PMS BHUBANESWAR

The Manipur Department of Information Technology (DTI)-signed an agreement with the KIIT-signed and the Manipur of the Manip



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 1. blish sustainable incubation plat-rms. This is an important achieve-ent of KIIT-TBI, said KIIT & KISS under Dr. Achyuta Samanta while ngratulating the KIIT-TBI team r attaining the milestone.

# ଗ୍ରାମୀଣ ମହିଳାଙ୍କ ଛତୁଚାଷ ପ୍ରଶିକ୍ଷଣ ଶିବିର ଉଦ୍ଯାପିତ

ଡେଲାଙ୍ଗ, ୨୦ ୧ (ନି.ପ୍): ପାରମ୍ପରିକ ଜ୍ଞାନକୌଶଳ ସହ ବିକଶିତ ଯନ୍ତ୍ରପାତି ମାଧ୍ୟମରେ ଗ୍ରାମୀଣ ମହିଳାଙ୍କୁ ଉଦ୍ୟୋଗ ଭିଭିକ ପ୍ରଶିକ୍ଷଣ ଦେବା ଲକ୍ଷ୍ୟ ନେଇ କିଟ୍ ବିଶ୍ୱବିଦ୍ୟାଳୟର ବି.ଆର୍.ଟି.ସି., ଟି.ବି.ଆଇ. ଏବଂ ଜେନାପୁର ଗୋପବନ୍ଧୁ ସେବା ପରିଷଦ ପକ୍ଷରୁ ଧାନକେରା ପଞ୍ଚାୟତ ବାତ୍ୟାଶ୍ରୟଞ୍କଳ ପରିସରରେ ଅନଷ୍ଠିତ ୩ ଦିନିଆ ଗାମାଣ ମହିଳା ଛତଚାଷ ପ୍ରଶିକ୍ଷଣ ଶିବିର ଉଦ୍ଯାପିତ ହୋଇଛି । ଓଡ଼ିଶା କୃଷି ଓ ବୈଷୟିକ ବିଶ୍ୱବିଦ୍ୟାଳୟର ପ୍ରଶିକ୍ଷିକା କାଦମ୍ବିନୀ ରାୟ, କିଟ୍-ଟିବିଆଇର ରିୟା ରାୟ ଅର୍ପଣ ଘୋଷ, ଟୁନା ରାଉଡ, ଅକ୍ଷୟ କୁମାର ସାହୁ, ଆର୍ୟାନ୍ ଜୟଶାଲ, ପ୍ରଜ୍ଞା ଋତୁପର୍ତ୍ତା ପ୍ରମୁଖ ଅଧିକ ଅମଳକ୍ଷମ ଛତ୍ରାଷ ପ୍ରଣାଳୀ ସଂପର୍କରେ ଡାଲିମ ପ୍ରଦାନ କରିବା ସହ କ୍ଷେତ୍ରୀୟ କୌଶଳ ପ୍ରଦର୍ଶନ କରିଥଲେ । ଏହି ଶିବିରରେ ଧାନକେରା, ନଳିବସନ୍ତ, ବସନ୍ତପଡ଼ା ଗ୍ରାମରେ ସଂଗଠିତ ୩୦ ମହିଳା ସ୍ୱୟଂ ସହାୟକ ଗୋଷ୍ଠୀର ୬୫ ଜଣ ପ୍ରତିନିଧି ଅଂଶ ଗ୍ରହଣ କରିଥଲେ । ସେବା ପରିଷଦର ଅଧ୍ୟକ୍ଷ ପଦୀପ କମାର ମହାରଣା ଓ କୋଷାଧ୍ୟକ୍ଷ ପ୍ରକାଶ ସେନାପଡିଙ୍କ ସଂଯୋଜନାରେ ଏହି ତାଲିମ ଶିବିର ଅନୁଷ୍ଠିତ ହୋଇଥିଲା । ବିଭିନ୍ନ ଦିବସରେ ସ୍ଥାନୀୟ ସରପଞ୍ଚ ପସନ୍ନ କମାର ଜେନା. ସମିତି ସଭ୍ୟା ପ୍ରୀତିଲତ। ସେନାପତି, ପୂର୍ବତନ ସରପଞ୍ଚ ଉପେନ୍ଦ୍ର ପ୍ରଧାନ, ରାମଚନ୍ଦ୍ର ମହାରଣା, ଶିଶୁ ବିକାଶ କର୍ମୀ ନଳିନୀ ରାଉତ, ସୀତା ପ୍ରଧାନ, ଶିକ୍ଷାବିତ୍ ଜଳନ୍ଧର ବରାଳ ପ୍ରମୁଖ ଉପସ୍ଥିତଥିଲେ । ତାଲିମପ୍ରାସ୍ତ ମହିଳାଙ୍କୁ ବ୍ୟାଙ୍କ୍ ରଣ ସହାୟତା ପ୍ରଦାନ କରାଯିବା ବ୍ୟବସ୍ଥା ରହିଥିବା କିଟ ପ୍ରଶିକ୍ଷିକ। ସୁଶ୍ରୀ ରାୟ ସୂଚନା ଦେଇଥିଲେ ।

### **Glimpses**





















#### Start Up Summit launched

The start-up summit is sample of the start-up summit is being organised by the Department of Information Minister D was Sapam Ranjan said Chief even the Department of Information at the Sapam Ranjan said Chief even the Sapam Ranjan







































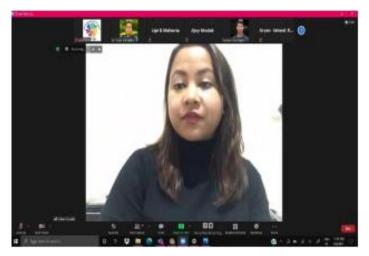
























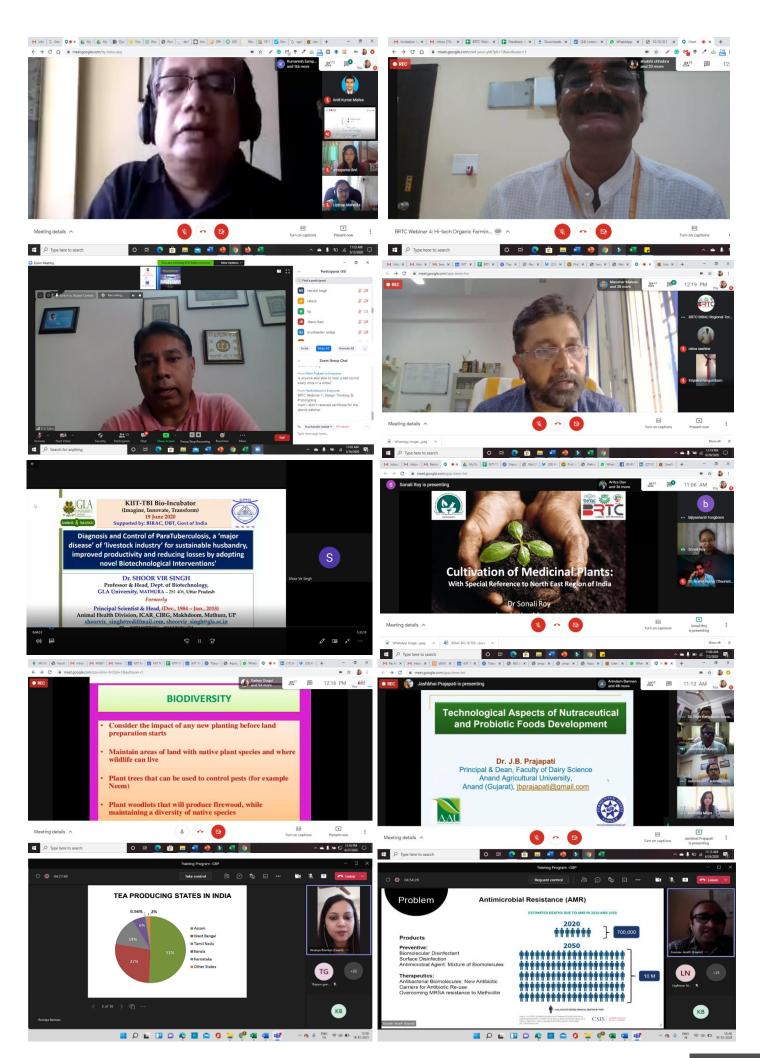


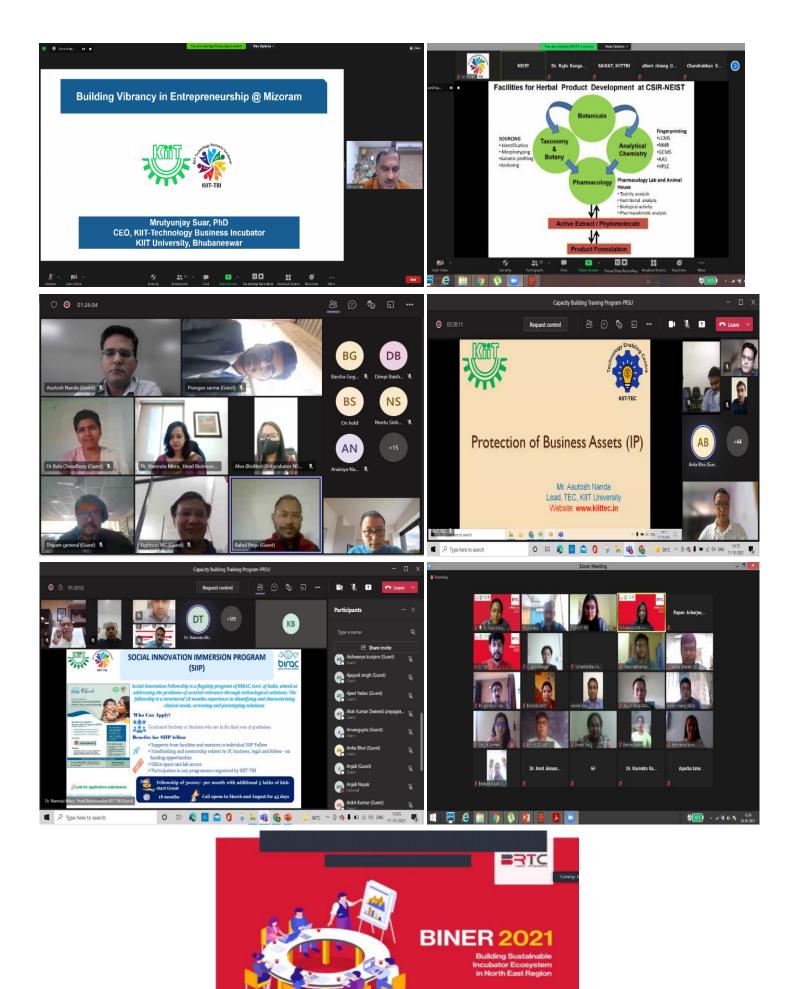












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Biotechnology Industry Research Assistance Council (BIRAC) is a not-for-profit, section 8, Schedule B, public Sector Enterprise, set up by Department of Biotechnology (DBT), Govt of India as an Interface Agency to strengthen and empower the emerging 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.



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.



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.

# Nurturing and Promoting **BioEntrepreneurship**

#### in North East & East

## KIIT-TBI acknowledges the support of...



#### KIIT Technology Business Incubator

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