



Brain Storming Conclave on Atmanirbhar North East through S&T Interventions

December
21st – 22nd, 2021

Cotton University,
Guwahati, Assam



Partners



North East Centre for Technology Application & Reach (NECTAR)

About (NECTAR)

NECTAR is an autonomous organization under the Department of Science and Technology, Government of India that has the vision to be a leading centre to foster, nurture and ensure the delivery, sustenance and use of technology applications for public and social good; and to reach and expand the benefits of technology among people, communities, institutions and governments for equitable and inclusive social and economic development of the North-eastern region of our country.

About UBA

UBA (Unnat Bharat Abhiyan) is a flagship national program of the Ministry of Education, Government of India that envisions a transformational change in rural development processes by leveraging knowledge institutions to help build the architecture of an inclusive India. The National Coordinating Institute for UBA is IIT Delhi which is implementing the program nationwide through a structured network of a large number of nodal participating institutions and regional coordinating institutions.

About VIBHA

VIBHA (Vijnana Bharati) is a science movement with Swadeshi spirit and hence popularly known as the Swadeshi Science Movement of Bharat. Eminent scientists and institutes of excellence that are working for the development of science and technology in our country are closely associated with VIBHA. Together, they thrive to propagate science in society and create schemes to make use of science and technology for the overall development of the country.

About Cotton University

Cotton University (formerly known as Cotton College) is a Public State University located in Guwahati, Assam, India. It was established in 2017 by the provisions of an Act enacted by the Assam Legislative Assembly to merge the Cotton College State University and Cotton College. The university made its way to become one of the top 200 institutions of the country. It is the oldest institute of higher education in Assam as well as in the Northeast region.



Beeboxes supported to beekeepers at Mokokchung, Nagaland



A phenomenal progress in the field of science and technology (S&T) has brought prosperity to millions in India. However, the fruits of these developments have yet not reached a large section of population, especially that residing in the villages.

Northeast India, comprising the seven sister states together with the brother state Sikkim, is known for its verdant beauty and an abundance of natural resources. However, the available livelihood opportunities and revenue earned from all the major livelihood sectors including agriculture by this part of the country is low, leading to drudgery and migration of the working population to other parts of the country.

Given the complexity of the challenges, there is a demand of interventions at several levels from multiple stakeholders such as research organizations, government institutions, academia, corporates, medium- and small-scale entrepreneurs, NGOs, voluntary organizations, grassroot-level workers, and the community who must come onboard for devising a collective action to address these challenges. The immense potential of catalyzing positive transformation in the NER through appropriate S&T interventions is well recognized. It is also realized that in today's rapidly growing knowledge economy, the mobilization of financial resources alone cannot ensure prosperity and development. The application of professional know-how, evolved through innovative research and development, and its adaptation to the local milieu is equally important. Further, it is important to support the effort through effective outreach and connections with the community so as to be able to impact the lives and well-being of millions of people of rural areas of India, especially the Northeast region.



NECTAR has taken an initiative in collaboration with Unnat Bharat Abhiyan (UBA) to bring about inclusive development in a holistic manner, including providing appropriate S&T technologies developed by research organizations and accelerating their outreach for fast-tracking livelihood opportunities in the Northeast region of the country. In addition, NECTAR aims to partner in demonstration and field transfer of technologies at the National Rural Technology Demonstration Centers set up by UBA.

Together with the UBA, NECTAR seeks to develop platforms to bring together all the concerned stakeholders with a view to facilitate collaborations among them for technology diffusion.

Taking a step in this direction, NECTAR-UBA-VIBHA-Cotton University are organizing a conference-cum- workshop entitled “Brain Storming Conclave on Atmanirbhar North East through S&T Interventions” at Cotton University, Guwahati Assam on December 21-22, 2021. The conclave will provide a platform to connect technology providers with technology seekers in the Northeast region. It will ensure not only knowledge exchange and cross-learning but also opportunity to seek long-term associations, among different stakeholders such as academicians, scientists and innovators working towards the development and adaptation of socially-relevant technologies for the Northeast region; entrepreneurs, startups and organizations to take solutions to the field; voluntary and other social organizations that are working with the community to bring forth the concern, issues and challenges of local people; and government schemes and CSR-conscious corporates to provide financial support in the gap areas of growth and development. Over the two days, the conclave will feature an exposition to showcase and demonstrate relevant potential technologies, products and solutions for the Northeast. The exposition will also provide one-of-its-kind opportunity to foster learning among the participating student community about developing technology solutions for the problems in NER.

The Conclave will observe participation and provide a platform to knowledge institutions, state government officials, civil society, entrepreneurs, investors, venture-capitalists, startups, community organizations, self-help groups, and students to participate, network, disseminate, ideate, collaborate, and identify opportunities to achieve inclusive development of NER through promotion and application of technology solutions.



Objective of the Conclave

The Conclave is an initiative to provide a platform to the major stakeholders of social change - corporate, scientific and research institutes and social organizations, to exchange information, share knowledge and diffuse appropriate technologies so that society can derive benefit in terms of reduced drudgery, enhanced income, better education and improved quality of life.

Expected outcome of the Conclave

- Exchange of information, sharing of knowledge, and promulgation of the right kind of technologies that help in public wellbeing and sustainable development.
- Public sensitization about NECTAR's work in promoting appropriate technology for community empowerment and societal benefits in the NE region
- Cross-learning about utility of proven technologies for livelihood generation and inclusive development of the NE region.
- NECTAR's renewed role and action plan on technological service provisioning for the well being of the NE region.

Events during Conclave

- Technical Sessions
- Startup Ideations
- Events for students:-
 - Quiz on S & T intervention for NER, Heritage through the lens of science for NER, IoT based innovation in Natural Resource Management**
- Ideation on Climate Change in NER
- Workshop for artisans and live demonstration
- Felicitation of NER based award winning artisans
- Press Conference
- Exhibitions displaying various technologies and products of NER
- Cultural events



Agenda

Day 1: December 21, 2021

Session 1: Inauguration Session

10:00 – 10:05 HRS	Lighting of the lamp National Anthem
10:05 – 10:10 HRS	Welcome address by Prof. Arun K. Sarma, Director General, NECTAR
10:10 – 10:15 HRS	Address by Prof. Virendra K. Vijay, National Coordinator, Unnat Bharat Abhiyan
10:15 – 10:20 HRS	Address by Prof. Bhabesh Ch. Goswami, Vice Chancellor, Cotton University
10:20 – 10:25 HRS	Address by Dr. T. G. Sitharam, Director, Indian Institute of Technology, Guwahati
10:25 – 10:30 HRS	Address by the Guest of Honor Shri Jayant Sahasrabudhe, National Organizing Secretary, Vijnana Bharati
10:30 – 10:35 HRS	Address by the Guest of Honor Dr. Srivari Chandrasekhar, Chairman - NECTAR & Secretary DST, Govt. of India
10:35 – 10:45 HRS	Address by the Guest of Honor Shri Promod Boro, Chief Executive Member, Bodoland Territorial Region (BTR)
10:45 – 10:50 HRS	Message by the Guest of Honor Dr. Jitendra Singh, Hon'ble Union Minister of State (IC) Science & Technology
10:50 – 11:05 HRS	Address by Chief Guest Prof. Jagdish Mukhi, Hon'ble Governor of Assam
11:05 – 11:10 HRS	Vote of thanks
11:10 – 11:15 HRS	National Anthem
11:15 HRS	Inauguration of Expo by Prof. Jagdish Mukhi, Hon'ble Governor of Assam

High Tea

11:30 – 12:00 HRS	Press Conference
12:00 – 14:00 HRS	Session 2: Technical session - Technology diffusion in the Northeast: Stakeholder perspectives, initiatives, and opportunities

Lunch

14:45 – 16:25 HRS	Session 3A: Technical session on S&T innovations to provide livelihood opportunities in the Northeast- Technology solution on Bamboo & Allied Activities
14:45 – 16:25 HRS	Session 3B: Technical session on S&T innovations to provide livelihood opportunities in the Northeast- Technology solution on Agriculture & Food Processing
14:45 – 16:25 HRS	Session 3C: Technical session on S&T innovations to Solution on Geospatial & Communication
16:25 – 18:25 HRS	Session 4A: Technical session -Brainstorming on appropriate science, technology and innovation for mitigating flood and erosion risk in Assam
16:25 – 18:25 HRS	Session 4B: Technical session - Technology development for the Northeast
18:25HRS onwards	Cultural Event followed by Dinner

Day 2: December 22, 2021

09:30 – 11:30HRS	Session 5A: IOT based Innovation in Natural Resources Management
09:30 – 11:30 HRS	Session 5B: Startup Ideations for North East Region

Tea

12:00 – 14:00 HRS	Session 6A: Ideation on addressing climate change in the Northeast
12:00 – 14:00 HRS	Session 6B: Science and Technology Quiz for students
12:00 – 14:00 HRS	Session 6C: NECTAR's success stories -two-way communication

Lunch

14:45 – 16:45 HRS	Session 7A: Workshop for Artisans
14:45 – 16:45 HRS	Session 7B: Heritage through the lens of science – competition for the NER
16:45 – 18:15 HRS	Session 8: Valedictory & Felicitation Prize distribution

High Tea

Convener: Dr. Krishna Kumar (9899192757), Dr. Partha Jyoti Das (9435116558), Prof. Vivek Kumar (9412619735), Dr. Ujjal Deka Baruah (9401725116)
 Contact: Expo: Dr. Abhinav Kant (7976779959)/ Mr. Simanta Das (7577944840), Accommodation and Logistics: Mr. Rohit Sharma (9810261503),
 Registration: Mr. Rajendra Jena (9873512021), Online Registration: Mr. Ankit Shrivastava (8882254572), Ideations: Mr. Rahul Choudhary (9015148486)

Link for Registration : <https://nectar.org.in/register-now>
<https://www.nectar-uba.com>

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