



Office of the Principal Scientific Adviser
to the Government of India



BCKIC
Bhubaneswar City
Knowledge Innovation
Cluster Foundation

BCKIC Foundation Newsletter

Connect. Cooperate. Collaborate.

**APRIL
2023**

ABOUT BHUBANESWAR CITY KNOWLEDGE INNOVATION CLUSTER FOUNDATION

Bhubaneswar City Knowledge Innovation Cluster (BCKIC) Foundation, is an initiative by the Office of the Principal Scientific Adviser to the Government of India. Bhubaneswar City Knowledge Innovation Cluster Foundation seamlessly connects academic, industrial, corporate, and start-up ecosystems to create a Hub and Spoke Model, actively facilitating innovation, knowledge creation and implementation of technologies for socio-economic benefits.

Our major thematic areas include - Biosciences, Polymer-based interventions, Quantum engineered advanced materials, Wetland management, Waste to Value, Food and nutrition.



Connect

Connect with multiple stakeholders. Industries, research institutes, incubators/accelerators, and governments to build and strengthen an inclusive regional science and technology ecosystem.



Co-operate

Creating solutions through close cooperation, leveraging expertise from partner organizations that are reliable, effective, and sustainable for the current and future problems of the region.



Collaborate

Collaborations for nurturing and driving translational research and innovation in Bhubaneswar that boosts economic and employment growth by creating a market for reliability and replicability across the state.

REFLECTING ON THE YEAR

BCKIC Foundation Board Meeting

The Bhubaneswar City Knowledge Innovation Cluster (BCKIC) Foundation convened its advisory board meeting in Bhubaneswar, Odisha. The meeting was attended by board members Shri H.K Mittal, Dr. Tara Prasad Das, Dr. Meenakshi Munshi, Dr. Ajit K. Pattnaik, Dr. Sheseer Kumar, Dr. Mrutyunjay Suar, and Team BCKIC. The board members deliberated on Foundation's progress and way forward. The meeting included highlights on the Technology Deployment Program, as well as a discussion on the alliance with corporates. The Foundation also presented the highlights of its Social Impact Projects, which have been undertaken to promote sustainable development in the region. The advisory members appreciated the Foundation's progress and provided critical inputs which was incorporated into the organization's roadmap. In the meeting, the foundation's Annual Report was launched.



CREATING A SHARED ECOSYSTEM

BCKIC Foundation Signs MoU with India Humanity Foundation

The Office of the Principal Scientific Adviser to the Government of India facilitated the signing of an MoU between India Humanity Foundation, representing Rotary International and BCKIC Foundation at Office of PSA, Vigyan Bhawan, New Delhi. The agreement aims to foster deeper engagement between the stakeholders, with a focus on areas such as Water & Healthcare. This collaboration is aimed to promote meaningful partnerships and initiatives in these critical areas for the benefit of the community and society at large.



PARTNERING FOR AN IMPACT

Collaborations in Addressing Critical Social Challenges

Bhubaneswar City Knowledge Innovation Cluster Foundation and KIIT TBI had the privilege of hosting Shri Shekhar Mehta, the President of Rotary International. It was heartening to see Rotary's interest in collaborating with mature tech startups to bring about positive changes in society, particularly in the areas of affordable healthcare, access to clean water, and water body rejuvenation.



During the event, our startups MedTel Healthcare and Bariflo had the opportunity to showcase their innovative technologies to Rotary International for potentially larger transformative projects across India.

EMPOWERING SKILLS, ENABLING FUTURES

BCKIC Foundation at Odisha Skill Conclave 2023



The BCKIC Foundation participated in the prestigious "Odisha Skill Conclave 2023," under the visionary leadership of Hon'ble Chief Minister Shri Naveen Patnaik. This landmark event brought together top leaders from various sectors, including industry, academia, and international organizations, with a focus on establishing Odisha as a global Skill Hub. The conclave provided a platform for exchanging ideas, sharing best practices, and exploring opportunities for collaboration in skill development.

During the event, innovative solutions and cutting-edge technologies developed by Odisha's homegrown startups, including Biopioneer, MOKKOMOTTO, Bariflo Labs, Procyto Labs Pvt. Ltd., Tanumanasa Service Pvt. Ltd., Larkai Healthcare, Swayogya Rehab Solutions & MedTel Healthcare, were showcased. The conclave was a key milestone in establishing Odisha as a global Skill Hub, unlocking opportunities for businesses, startups, and individuals, and contributing to Odisha's journey towards a brighter future.



REINFORCING THE IP ECOSYSTEM

Building a Strong IPR Framework in Odisha

The Science and Technology Department, Government of Odisha, has partnered with the BCKIC Foundation to strengthen the IPR ecosystem in the state of Odisha. BCKIC has conducted 5 IPR sensitization & 2 Workshop programs across the state in the past two months, training approximately 500 students and faculty members. Recently, an "Open Discussion on IPR Paradigm of the State and Next Steps to be Undertaken to Further Reinforce the IP Ecosystem" was held, which brought together students, academicians, and law professionals from various Law Institutes across Odisha. The aim of the discussion was to create a cluster-level model for IP awareness and facilitation in different regions of the state. Through this collaboration, the Government of Odisha and the BCKIC Foundation are working towards a more comprehensive IPR regime that promotes and protects innovation and creativity in the state.



TURNING THE TIDE ON WATER SCARCITY

Empowering Communities Through Sustainable Water Management

The project focused on the rejuvenation of silted surface waterbodies in the four districts of Odisha including three aspirational districts with IIT.IIT under facilitation of O/o PSA to the GoI. The project aims to create 15 crore liters of water capacity through 15 water modules. This initiative promotes smart water management and top-soil replenishment for farms, which reduces the need for fertilizers in cultivation. It also provides opportunities for livelihood generation through aquaculture. Recently, the project implemented five modules in the villages of Chandrapur Block of Rayagada.

- Teperima Tank, Gram Panchayat- Piskapanga – 02 Modules
- Bagaroda Tank, Gram Panchayat - Turiguda – 01 Module
- Chakra Tank, Gram Panchayat - Dangasorada – 02 Modules



Before



After

FROM TABOO TO EDUCATION

Promoting Menstrual Health and Hygiene

A workshop titled "BREAK THE CYCLE" was organized by BCKIC Foundation in collaboration with Scientist & Co and MAA, hosted at KISS University, with a focus on health education among female students. A total of 65 students were trained and sensitized on key health, sanitization, and menstrual hygiene practices. As part of the workshop, each participant received an eco-friendly, reusable sanitary pad kit, promoting sustainable menstrual hygiene practices. The workshop aimed to empower female students with knowledge and resources for better health and hygiene practices, contributing to their overall well-being.



FROM CONCEPT TO CREATION

Sensitization Workshop on Advanced Prototyping Techniques

The KIIT TBI Centre of Excellence, supported by the Department of Science and Technology (DST), Government of India, along with BCKIC Foundation has commenced on-campus sensitization workshops on advanced manufacturing techniques and funding opportunities. The first workshop was hosted by Gandhi Institute for Technology (GIFT) Autonomous College in Bhubaneswar. The program involved student engagement and provided them with valuable insights into cutting-edge manufacturing techniques and funding avenues.



ON CAMPUS Sensitization Workshops on Advance Prototyping Techniques and Funding Opportunities

at **GANDHI INSTITUTE FOR TECHNOLOGY (GIFT) AUTONOMOUS COLLEGE**

Benefits of the Program:

- Students will get the required knowledge about innovative product building that will augment their creative mindset and future academic/ entrepreneurial endeavors.
- Participants who attend the session will get a chance to attend "HANDS-ON WORKSHOP ON PRODUCT BUILDING AT KIIT-TBI" to be organized from 17th April - 16th May 2023.
- Understanding different funding opportunities for researchers and faculties and support in translating your ideas to prototype by KIIT-TBI will improve your chance of winning the grant.
- This program will be jointly run by KIIT TBI, Bhubaneswar City Knowledge Innovation Cluster Foundation (BCKIC), and your institute. Hence, the program can be projected as activities conducted by your institute against Innovation and Entrepreneurship.
- Participants will get access to use KIIT-TBI Design Lab.
- Participants will get E-certificates at the end of the program.

Who can attend

- UG, PG, PhD, B Tech, M Tech Students and scholars
- Faculties interested in writing competitive grant proposals
- Scientists & Researchers
- Startups & Entrepreneurs

Date
12th April, 2023 (Wednesday)

Time
11:00 AM to 01:00 PM

VIGYAN UTKALIKA

A Monthly Odia Magazine focussed on Science Communication

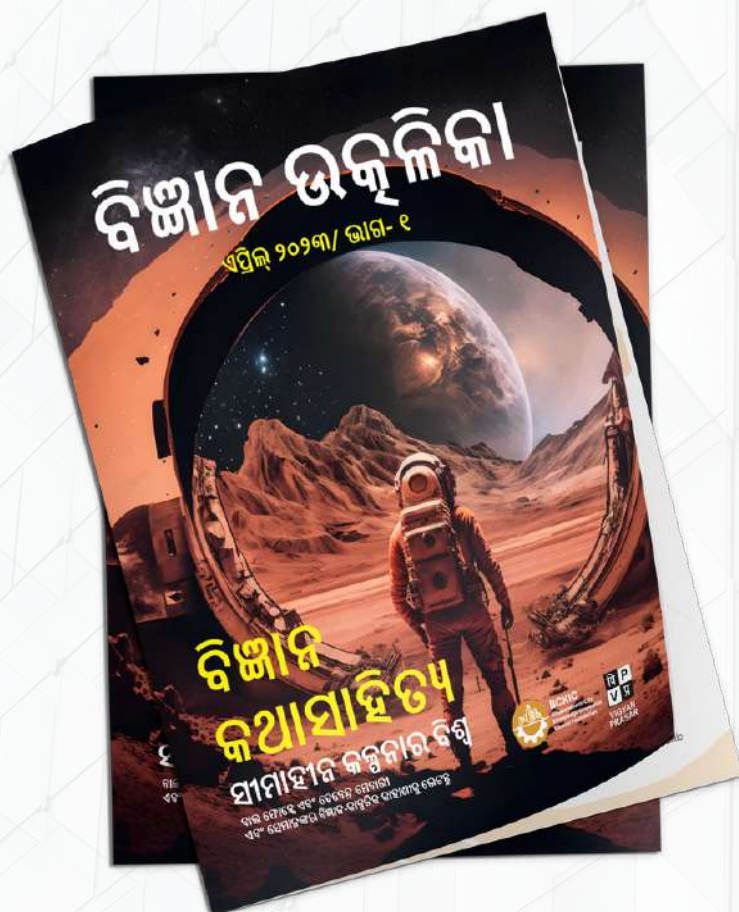
BCKIC Foundation in association with Vigyan Prasar under the initiative SCoPE-in Odia came up with its first edition of monthly Odia magazine focused on Science Communication titled "Vigyan Utkalika" and is themed around the paradigm of science fiction and science synced story telling in the current edition.

Dr. Mrutyunjay Suar, in his foreword elaborated about the BCKIC Foundation and its endeavor in the region as a hub and spoke model and brining in technology deployments for solving the local problems under the initiative of O/o of PSA to the Gol.

Editor-in-chief NAKUL PARASHAR, Ph.D shared the good news of initiation of SCoPE-in-Odia and applauded the prolific popular science fiction writers amongst us. Dr Bal Phondke in Marathi & English, Mr Devendra Mewari in Hindi are among the two that we managed to interview about their standpoint on sci-fi and their speculation for how India would be in 2047.

In the current edition all the stories revolve around the "Vigyan Katha Sahitya" and some notable scientists' like Dr. T.V. Venkateswaran have contributed with their impeccable pieces of science fiction and storytelling.

A book review of the title "Packaging Science for Public Interest A resource book on science communication and science filmmaking" also features in the current edition of the magazine.



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