



BCKIC
Bhubaneswar City
Knowledge Innovation
Cluster Foundation



Office of the Principal Scientific Adviser
to the Government of India

SCIENCE & TECHNOLOGY CLUSTER

BCKIC FOUNDATION ANNUAL REPORT

2024 - 2025

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MESSAGE FROM THE CHAIRMAN

Dr Mrutyunjay Suar

Chairman, BCKIC Foundation



It is with immense pride and gratitude that I present the Annual Report of the BCKIC Foundation for the year 2024–2025. This report encapsulates a year of purposeful strides, strategic collaborations, and a deepened commitment to catalyzing sustainable innovation in the Blue Economy across coastal Odisha and beyond.

At BCKIC, we remain steadfast in our mission to support local entrepreneurship, empower traditional knowledge systems, and foster inclusive innovation. Over the past year, we have expanded our outreach, deepened community engagement, and facilitated the development of context-specific solutions aligned with our region's socio-ecological fabric. Our work with Scheduled Caste communities and efforts toward mitigating invasive species like *Phragmites karka* are not just case studies in innovation—they are blueprints for climate-resilient development rooted in equity and local empowerment.

This year, we have also strengthened our institutional networks—working closely with various industries, government departments, grassroots innovators, and academic institutions to build a robust ecosystem for knowledge-driven impact. From ideation support to technology commercialization, BCKIC is emerging as a bridge between innovation and livelihood transformation.

I extend my deepest appreciation to our dedicated team, partners, and the communities who are the heartbeat of our initiatives. As we look ahead, our focus remains on co-creating pathways for sustainable growth, leveraging traditional wisdom, and embedding innovation in every layer of the value chain.

Let this report be a testament to what we can achieve when we nurture local capacities and align them with global aspirations for a better, more resilient future.

With Warm Regards

A handwritten signature in blue ink, appearing to be 'Dr. Mrutyunjay Suar', with a horizontal line extending to the right.

Dr Mrutyunjay Suar

Chairman, BCKIC Foundation

MESSAGE FROM THE CEO

Dr Namrata Misra

CEO, BCKIC Foundation



For Bhubaneswar City Knowledge Innovation Cluster (BCKIC) Foundation for the year 2024–2025—a year has been defined by bold strides, deep collaborations, and impactful innovation. From scaling grassroots innovations to fostering globally relevant technology solutions, our effort this year reflects a holistic commitment to inclusive development.

Through flagship programs like the UK-India HealthTech Bootcamp, Mission 50 Blue Economy, and the Clinician Peer Support Program, we have created dynamic platforms for startups, clinicians, and researchers to co-create and scale solutions that are not only innovative but also deeply aligned with community needs.

Two of our impactful initiatives includes the Women Technology Park in Barbil and the Chilika Bioresource Centre, which demonstrate our resolve to empower underserved communities, especially women and SC populations, through sustainable livelihoods and skill-based enterprises. BCKIC as a SPARSH Centre by BIRAC and collaborations with industry leaders like HDFC Bank, Jindal Foundation, and Toyota Tsusho further affirm our evolving role as a knowledge and innovation hub.

As we look ahead, BCKIC remains committed to scaling its impact through deeper district-level initiatives, policy advocacy, and international collaborations. The innovation ecosystem we are building today is meant to be enduring, inclusive, and future-ready.

I thank our dedicated team, partners, and stakeholders for their unwavering trust and support. Together, we continue to write a powerful narrative—where science meets society, and innovation leads to transformation.

With Warm Regards

A handwritten signature in blue ink, appearing to read 'Namrata'.

Dr Namrata Misra

CEO, BCKIC Foundation

ABOUT BCKIC FOUNDATION

OVERVIEW

The **Bhubaneswar City Knowledge Innovation Cluster (BCKIC) Foundation**, established as a Section 8 company on February 18, 2022, is a flagship initiative led by the **Office of the Principal Scientific Adviser to the Government of India**, guided by the **Prime Minister’s Science, Technology, and Innovation Advisory Council (PM-STIAC)**. The mission is to create seamless connections among research institutions, academia, industry partners, startups, and various stakeholders, fostering innovation and knowledge exchange within a Hub & Spoke Model.

OBJECTIVES

Catalyst for Industry-Academia Partnerships	Supporting Startup Post-Incubation Deployment	Need-Based Capacity Building & Trainings	Economic Growth Catalyst in Odisha
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THEMATIC VERTICALS



Affordable Healthcare



Future Economy



Waste to Value



STEM Initiatives



Sustainable Tribal Livelihood



Critical Minerals

IMPACTS CREATED

1k+ Innovators Benefitted	25+ Districts Footprint	25+ Programs & Workshops	125+ Patents Facilitated
4 Mission Programs	60+ Startups Supported	15+ Technologies Deployed	25 Cr+ Funds Raised & Facilitated
10+ Social Impact Driven Project	12+ Forest Division Presence	110+ Innovations Mined in NE	21+ NE Institutions in Hub & Spoke

SNAPSHOT OF 2024-25 ACHIEVEMENTS

During FY 2024–25, BCKIC undertook several high-impact initiatives to foster innovation, sustainability, and inclusive development. Key events included the **UK-India HealthTech Bootcamp**, enhancing India-UK healthcare collaborations, and the **Catch Them Young program**, promoting innovation among school students through Atal Tinkering Labs. The **International Conference on Blue Economy** and the **Mission 50 Blue Economy Accelerator** advanced marine sustainability and startup growth.

BCKIC launched the **Chilika Bioresource Centre**, promoting eco-friendly livelihood options using invasive species. The **MSME & Startup Trade Fair 2024** supported entrepreneurial growth, while the **Women Technology Park** in Barbil empowered women through technology-driven microenterprises. BCKIC was also selected as a **SPARSH Centre** by BIRAC, nurturing social biotech innovators.

Other notable programs included the **UK-India Millets Value Chain Workshop**, the **Clinician Peer Support Program** to foster healthcare innovation, and the **International Conference on Nanomedicine**, which facilitated research and collaboration. BCKIC supported several technology deployments across health, water, and mobility sectors and expanded its industry collaborations with organizations such as Jindal Foundation, HDFC Bank, Toyota Tsusho, and McKinsey & Co.

Strategic alliances were also formed with government bodies (DST, BIRAC, NSDC) and academic institutions (NIT Rourkela, ICAR-NRRI). Additionally, BCKIC launched its annual **Science Magazine**, spotlighting SDG-aligned innovation narratives. Overall, BCKIC demonstrated a strong commitment to regional development through technology, entrepreneurship, and partnerships.

IMPACTS SNAPSHOT FY 2024- 25

25+	50+	50+	6
Programs & Workshops	Startups Supported	Patents Facilitated	Technologies Deployed/Demo
21	100+	1K+	80
ATL Schools Engaged	ATL Managers Trained	ATL Students Engaged	Clinicians Engaged
1	130+	5	11
WTP Established	SHGs Engaged	Microenterprises Created	Collaborations Forged

FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

UK INDIA HEALTHTECH BOOTCAMP: ACCELERATING INDIAN HEALTH TECH COMPANIES TO THE UK NHS

The **UK-India Health-Tech Bootcamp** organised by **BCKIC** in association with **British High Commission in India** is a pioneering initiative designed to **bridge the gap between Indian innovation and the UK's healthcare ecosystem**. The networking events aims to connect NHS stakeholders, providers, UK companies, clinicians, and thought leaders with Indian health tech companies to foster impactful collaborations that support business growth and tackle common challenges for a broader global impact.



KEY HIGHLIGHTS

263

Number of Startup Applications Received (FY 2024-25)

6

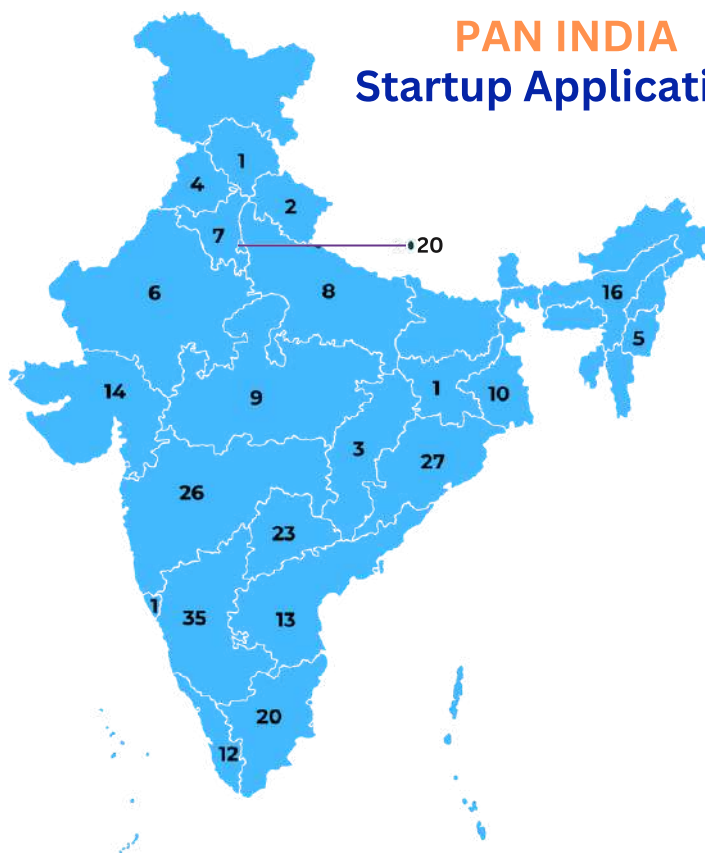
Number of Startups Supported for UK Immersion (FY 2024-25)

24

Number of UK NHS Mentors Engaged (FY 2024 - 25)



PAN INDIA Startup Applications



FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

UK INDIA HEALTHTECH BOOTCAMP: STARTUPS SUPPORTED FOR UK NHS IMMERSION PROGRAM 2024



Yostra Labs Pvt Ltd

Sector: Biomedical Devices

Innovation: A Point of Care, battery-powered, multi-parameter diagnostic device to screen diabetic patients for symptoms of Peripheral Neuropathy



Backyard Creators Pvt Ltd

Sector: Biomedical Devices

Innovation: An affordable and rugged external wearable device that helps gain the ability to hear without surgery



Niramai Health Analytix Pvt Ltd

Sector: Diagnostic Devices

Innovation: A novel test called Thermalytix which identifies women suspicious of breast cancer in all age groups and breast densities.



Neodocs Pvt Ltd

Sector: Diagnostic Devices

Innovation: An instant at-home testing platform that allows users to quantify biomarkers using just a smartphone.



Onward Assist Pvt Ltd

Sector: Digital Health

Innovation: A full stack pathology AI solution that combines viewing, reporting software with AI algorithms for automated reporting & also analyse images of biopsy slides.



RAMJA Genosensor Pvt Ltd

Sector: Diagnostic Devices

Innovation: A novel paper-based device that can detect any infection and antimicrobial resistance in just 90 minutes.

FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

ESTABLISHMENT OF WOMEN TECHNOLOGY PARK (WTP) IN BARBIL WITH THE SUPPORT OF JINDAL FOUNDATION

The **Bhubaneswar City Knowledge Innovation Cluster (BCKIC)**, with generous support from the **Jindal Stainless Foundation**, has initiated a transformative project titled **ROSHNI**—aimed at **fostering rural entrepreneurship and skill development**. As part of this initiative, a **LED Bulb Manufacturing Unit** has been established to promote sustainable livelihoods and support local economic empowerment. The area chosen for the implementation of this project is **Bileipada** and **Deojhar** in the **Kendujhar** district of **Odisha**, which holds significant potential for such socio-economic development activities. A **Memorandum of Understanding (MoU)** has been officially signed between the collaborating partners, marking a formal commitment to the project's success. As part of its early implementation phase, the **Women Technology Park (WTP)**, a dedicated space for training and operations, has been inaugurated and has been operational since December 2024. This initiative not only promotes clean energy but also focuses on creating a self-reliant and skilled workforce in rural Odisha.



KEY HIGHLIGHTS

130+

SHGs Engaged

80+

Training Beneficiaries

05

Microenterprises Created

Kendujhar

District Covered

Bileipada
Deojhar

Blocks Covered

40

Project Budget (in INR lakhs)

FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

INTERNATIONAL CONFERENCE ON BLUE ECONOMY: EMPOWERING SUSTAINABLE GROWTH THROUGH MARINE ECOSYSTEM

The International Conference on Blue Economy, organized by the **BCKIC Foundation** in collaboration with **BRIC ILS, KIIT University**, and **KIIT-TBI**, and supported by several key governmental bodies—including the **Ministry of Forest, Environment & Climate Change**, **DBT-BIRAC**, **DST**, **Ministry of Ports, Shipping & Waterways**, and the **Fisheries & Animal Resource Development Department, Government of Odisha** — aimed to serve as a dynamic and enabling platform for fostering innovation and technology within the marine sector. This prestigious event brought together a wide spectrum of professionals, including scientists, researchers, entrepreneurs, policymakers, and industry leaders, to collectively explore the immense and untapped potential of the marine ecosystem. With the increasing global emphasis on sustainable development and ocean-based economic activities, the conference seeks to highlight the role of the blue economy as a driver for sustainable growth.

The conference is designed to facilitate meaningful exchange, mutual learning, and impactful networking among stakeholders from diverse disciplines. By showcasing cutting-edge research, breakthrough ideas, and transformative technologies, it aimed to bridge the gap between innovation and real-world application. Participants were encouraged to present novel solutions addressing key marine challenges, share best practices, and foster collaborations that can catalyze advancements in areas such as **marine biotechnology**, **sustainable fisheries**, **ocean renewable energy**, and **coastal resilience**. Through keynote sessions, technical discussions, and interactive exhibitions, the event aspired to inspire forward-thinking strategies and forge strategic partnerships to advance India's and the global community's blue economy agenda.



FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

INTERNATIONAL CONFERENCE ON BLUE ECONOMY: EMPOWERING SUSTAINABLE GROWTH THROUGH MARINE ECOSYSTEM

KEY STAKEHOLDERS ENGAGED



KEY HIGHLIGHTS

500+ Students & Scholars Engaged	50+ Startups Engaged	100+ Researchers & Delegates Engaged	10+ Policymakers Engaged
60+ Industries Engaged	10+ Investors Engaged	100+ Research & Technical Presentations	50 Startup Technology Showcase
10+ Thematic Panel Discussions	20+ Indian Navy Officers Engaged	10+ Institutes & Incubators Engaged	Launched Mission 50 Blue Economy Startup Compendium

FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

MISSION 50 BLUE ECONOMY: ACCELERATING BLUE ECONOMY STARTUPS

The Blue Economy Mission 50 accelerator supported by HDFC Bank intends to accelerate 50 startups in marine sectors, offering mentorship, resources, and other necessary scaling tools. The program offered the following for the shortlisted startups:

- **Mentorship** from industry experts.
- **Upto ₹30 Lakhs** for top **3 startups**.
- Networking for partnerships and collaborations.
- **Blue Economy Mission 50 Compendium**.
- **Product launch** at Blue Economy International Conference 2025



FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

MISSION 50 BLUE ECONOMY: ACCELERATING BLUE ECONOMY STARTUPS

KEY HIGHLIGHTS

91 Applications Received	50 Startups Supported	1 Cr+ Funds Facilitated for Startups	10+ Products Launched by Startups
13 Mentoring Sessions Conducted	20+ Total Mentoring Hours	10+ Investors Engaged	Launched Mission 50 Blue Economy Startup Compendium

STARTUPS FUNDED



Gocarin Industries Pvt Ltd

Innovation: GoSeaGraze - A seaweed-based product for improving FCR and Immunity in Cattle



Trustless Pvt Ltd

Innovation: Credore - Making Cross border Trade Efficient with its MLETR-Compliant Digital Platform



Thinkraw India Pvt Ltd

Innovation: DHIVARA MITRA – An IOT Enabled & Solar Powered Solution for Enhanced per Cubic Meter Harvest in Prawn Farming

FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

CATCH THEM YOUNG: TRANSFORMING MINDS AT ATL LABS

The “Catch Them Young Program” is a series of initiatives designed in association with **Atal Innovation Mission** of **NITI Aayog** to empower and inspire young innovators through **Atal Tinkering Labs (ATLs)** in schools across Odisha. The objective of the program includes:

- Cultivating **innovative skills** and an **entrepreneurial mindset** in students.
- Provide a platform to **showcase creative solutions**.
- Enhance **teacher engagement and collaboration** with emerging technologies & STEM education.
- Fostering **long-term community impact** through innovative ideas.
- Support **intellectual property (IP) protection** and ecosystem collaboration.

PROGRAM PHASES

PHASE I	PHASE II	PHASE III
ATL Teachers' Meet 26 th April 2024	ATL Think Camp 28 th Aug - 20 th Oct 2024	Student Innovation Fair 24 th October 2024
• 100+ teachers from Odisha • Focus on knowledge sharing, skill-building & fostering student creativity • 331 ATL schools engaged from Odisha	• 17 districts across Odisha • 1000+ students from all districts • 300+ ideas pitched	• Districts Engagement: 17 • ATL Schools: 18 • Project Showcased: 60+ • Participants: 200+ students



KEY HIGHLIGHTS

21	District Footprints	130+	ATL Schools Engaged	1k+	Total Student Participants
300+	Ideas Pitched	100+	ATL Managers Trained	60+	Project Showcased

FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

CHILIKA BIORESOURCE CENTRE: SUSTAINABLE LIVELIHOODS AND MANAGEMENT OF CHILIKA LAKE WETLAND ECOSYSTEM

BCKIC Foundation in association with **CSIR IMMT & School of Biotechnology, KIIT DU** aims to produce **small-scale kraft paper** and **corrugated carton** to provide alternative livelihoods for the community and also contribute to the ecological balance of the Chilika ecosystem. These activities can create value-added products and materials, targeting both the local SC population, while addressing the environmental and economic repercussions of the invasive *Phragmites* species which can affect the health as well economic status of the SC population in the region. **The project has been sanctioned by the SEED Division of Department of Science & Technology, Government of India, amounting to INR 1.5 Cr.**

Objectives:

- Enrolling and empowering 500 SC community members and women
- Conduct Capacity building programs to equip the SC community
- Research, development, and validation of valorized products
- Handover of the project to an SC-focused cooperative

TARGET BENEFICIARIES



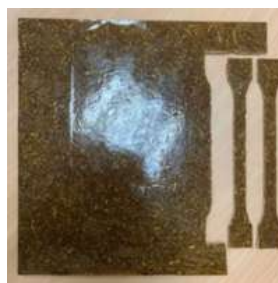
PRODUCT POCs DEVELOPED



Hand Made Papers



Visiting Cards



Particle Boards



Notepad

FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

MSME & STARTUP TRADE FAIR 2024: ACCELERATING BUSINESSES TO THE NEXT LEVEL

BCKIC Foundation in association with MSME, Govt of India under the Procurement & Marketing Support Scheme of MSME organized the MSME & Startup Trade Fair 2024 to showcase cutting edge innovations & technologies.

The fair was inaugurated by **Hon'ble Minister of F&ARD, MSME, Govt. of Odisha, Shri Gokulananda Mallik**, in the esteemed presence of Dr. Achyuta Samanta, Founder of KIIT & KISS, Shri Pawan K Gupta, Joint Director, MSME-DI Cuttack, Prof. Nalinaksh S. Vyas, Emeritus Fellow, IIT Kanpur, and Dr. Krishna Kanth Pulicherla, Scientist E, DST, Gol.

The Trade Fair, brought together **MSMEs, startups, policymakers, industry leaders, investors, and academicians**. As a hub for MSMEs and innovation, Odisha takes pride in hosting this dynamic platform to foster business growth, partnerships, and investment opportunities.



KEY HIGHLIGHTS

60+ Startups & MSMEs Participated	12 Products Launched	1K+ Total Footfall during the Event	15+ Industry & Investors Engaged
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Gocarin Industries, one of the participating MSME, got an order of worth **INR 60 lakhs** from **Nannapaneni Organic Exports** for Distributor and Superstockist in Telengana and Andhra Pradesh

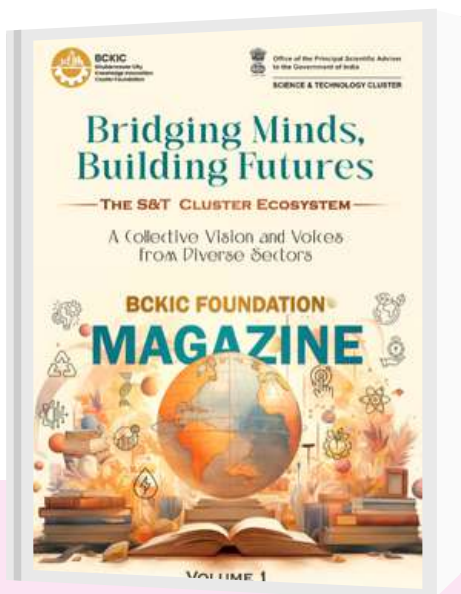
FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

BCKIC SCIENCE MAGAZINE: A COLLECTIVE VISION FROM DIVERSE SECTOR

BCKIC's Science Magazine is dedicated to **bridging the gap between cutting-edge scientific advancements and public awareness**. Serving as a dynamic platform, it highlights the remarkable scientific and technological achievements emerging from Odisha and across India. Each edition is thoughtfully curated around themes aligned with the United Nations Sustainable Development Goals (SDGs), emphasizing relevance and impact. The magazine features thought-provoking insights and contributions from global leaders in academia, industry, corporate sectors, philanthropic organizations, and successful startups. Through engaging narratives and expert perspectives, it aims to inspire innovation, foster collaboration, and drive excellence in science, technology, and sustainable development.

Purpose:

- Platform for leaders to share expertise and vision
- Showcase innovative journeys of successful startups
- Insights and forecasts from industry experts
- Highlight breakthroughs from emerging tier 2 states
- Resource for students, researchers, policymakers, and practitioners



VOL 1: SCIENCE MAGAZNE



VOL 2: CSR MAGAZNE



FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

LAUNCH OF THE BIRAC-BCKIC SPARSH CENTRE: IGNITING SOCIAL INNOVATION

BCKIC Foundation has been chosen by DBT-BIRAC to serve as one of the SPARSH Centres for implementing the prestigious Social Innovation Immersion Program (SIIP). This initiative is designed to foster a new wave of biotech-based “Social Innovators” who are committed to addressing critical societal challenges through innovative, technology-driven solutions. By focusing on inclusive and sustainable development, SIIP empowers aspiring entrepreneurs to develop impactful innovations that can transform lives at the grassroots level. Through mentorship, funding, and technical support, the program aims to create a robust ecosystem that promotes equity, accessibility, and long-term social progress across diverse communities in India.



UK-INDIA WORKSHOP STRENGTHENS MILLETS VALUE CHAINS EMPOWERS ODISHA

BCKIC Foundation organized the "**UK-India Strategic Trade Workshop on Strengthening Millets Value Chains**" in collaboration with **UKRI India-STFC Food Network+ (SFN)**, the University of York, and the Ministry of Agriculture & Farmers Welfare, Government of India.

This workshop served as a dynamic platform for innovation and collaboration, aiming to establish Odisha as a global leader in sustainable millet value chains, and was attended by over 50 participants.



FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

CLINICIAN PEER SUPPORT PROGRAM: LEVERAGING A CLINICAL BACKGROUND TO DEVELOP MEANINGFUL INNOVATION

The **Clinician Peer Support Program (CPSP)** is a forward-thinking initiative spearheaded by **BCKIC Foundation** in collaboration with the **DST Centre of Excellence** at **KIIT Technology Business Incubator**. This program is designed to create a **robust and interactive platform that unites clinicians, surgeons, and healthcare professionals across various medical specialties**. The central objective of CPSP is to **catalyze innovation in the healthcare sector** by promoting knowledge exchange, collaborative problem-solving, and interdisciplinary engagement. By fostering a community where medical experts can share insights, experiences, and challenges, CPSP aims to stimulate the development of practical, patient-centric solutions and cutting-edge medical technologies.

The program supports participants through **regular workshops, ideation sessions, and innovation challenges**, enabling them to contribute meaningfully to translational research and clinical entrepreneurship. Moreover, CPSP facilitates access to funding, mentorship, and incubation support, helping clinicians transform innovative ideas into viable healthcare products and services. Through this initiative, the DST Centre of Excellence and BCKIC Foundation strive to **bridge the gap between frontline medical practice and technological advancement**, ensuring that the evolving needs of patients and the healthcare system are effectively addressed.



KEY HIGHLIGHTS

80+ Clinicians Engaged	23 Healthcare Startups Engaged	1.25 Cr+ Funds Facilitated for Clinical Entrepreneurs	20+ IPs Facilitated for Clinicians & Healthcare Startups
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FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN NANOMEDICINE

The International Conference on Recent Advances in Nanomedicine, jointly organized by Precision Nanomedicine (PRNANO), KIIT Deemed to be University, and Bhubaneswar City Knowledge Innovation Cluster (BCKIC), took place on February 21-22, 2025, at Campus 11, KIIT DU, Bhubaneswar. This conference provided a multidisciplinary platform for researchers, scientists, academicians, startups, and postgraduate students to discuss cutting-edge innovations in nanomedicine. The event covered key themes, including novel bionanomaterials, nanotechnology in therapy and medical diagnostics, pharmaceutical nanotechnology, and nanomaterials for human health.

Key highlights included technology pitches, startup talks, and poster presentations, with selected works to be featured in the conference proceeding book published by Springer Nature. The Central Institute of Petrochemicals Engineering & Technology (CIPET), Bhubaneswar conducted a technical workshop on polymers manufacturing of next-generation biomedical devices. The conference also recognized outstanding contributions with awards such as the Emerging Change Maker, Best Poster Presentation, and Emerging Researcher Award. With strong participation from national and international speakers, this event significantly advanced nanotechnology-driven healthcare solutions and fostered new research collaborations.



KEY HIGHLIGHTS

250+ Participants Engaged	10 International Speakers	30+ Institutes Engaged	100+ Research & Technical Presentations
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FLAGSHIP INITIATIVES & PROGRAMS IN 2024-25

MANAGEMENT AND MARKETING SUPPORT AGENCY FOR FOREST PRODUCE VALUE CHAIN DEVELOPMENT

The **Management and Marketing Support Agency (MMSA)**, established on July 1, 2022, is a consortium of **Bhubaneswar City Knowledge Innovation Cluster (BCKIC)**, Bhubaneswar, **Kalinga Institute of Industrial Technology – Technology Business Incubator (KIIT-TBI)**, Bhubaneswar, and the **Indian Institute of Entrepreneurship (IIE)**, Guwahati. Operating under the **Odisha Forestry Sector Development Society (OFSDS)**, MMSA is dedicated to **creating sustainable livelihood opportunities** for forest fringe dwellers while preserving the forest ecosystem.

MMSA has been instrumental in the **establishment and management of Multi-Product Clusters at the Division level**, serving as aggregating and processing hubs for locally sourced products. These clusters identify the necessary machinery and infrastructure to facilitate the processing of selected products, explore market opportunities, and develop operational models for **Income Generating Activities (IGAs)**. The clusters also play a critical role in institution building, skill and capacity development, financial management, and ensuring backward and forward linkages for the producers.

Through these efforts, MMSA continues to empower communities, enabling them to manage their livelihoods in an economically, ecologically, and socially sustainable manner.

5 MULTIPRODUCT CLUSTER has been established and currently operational

Baripada: *Sal Leaf Products*

Karanjia: *Sal Leaf Products*

Rairangpur: *Sal Leaf Products*

Jharsuguda: *Lemon Grass Oil*

Dhenkanal: *Cashew*



3 AGRICULTURE BASED STARTUPS has been engaged for procurement & value chain management

TECHNOLOGY DEPLOYMENT & DEMONSTRATION

BARIFLO CYBERNATICS PVT LTD

AI DRIVEN INTEGRATED WATER MANAGEMENT SYSTEM



Waterbody Rejuvenation & Sustainable Use & Management in Mangalore, Karnataka

Funding Agency: Amadeus Software Labs

Project Amount: INR 95 lakhs

EZERX HEALTHTECH PVT LTD

EZECHECK: NON-INVASIVE HEMOGLOBIN SCREENING DEVICE

Product demo and deployment at Jindal Stainless Ltd (JSL), Duburi, Jajpur

Funding Agency: JSL Foundation

Status: Product Demo Completed, DPR Submitted for Pilot Scale Deployment



PRIMARY HEALTHTECH PVT LTD

MOBILAB - AFFORDABLE IOT ENABLED SMART MULTI DIAGNOSTIC DEVICE FOR CHRONIC DISEASES DETECTION



Product demo and deployment at Jindal Stainless Ltd (JSL), Duburi, Jajpur

Funding Agency: JSL Foundation

Status: Product Demo Completed, DPR Submitted for Pilot Scale Deployment

TECHNOLOGY DEPLOYMENT & DEMONSTRATION

SKYSKILL LABS PVT LTD

SETTING UP E-MOBILITY LABS AT LOCAL INSTITUTION



Establishment of CoE on E-Mobility & EV at Govt ITI

Funding Agency: Govt of Maharashtra

Status: Tender Submitted to Maharashtra State Govt

RAMJA GENOSENSOR PVT LTD

PAPER BASED DEVICE TO DETECT ANY INFECTION & AMR

Trials & Validation of the kit at AIIMS Bhubaneswar

Supported by: AIIMS Bhubaneswar

Status: Trials & Validation Ongoing



GOCARIN INDUSTRIES PVT LTD

HIGHLY NUTRITIOUS AND BALANCED CATTLE FEED



Establishment of Fully Automated Manufacturing Setup at Baleswar, Odisha

Status: All compliances related to the plant setup are completed

COLLABORATIONS FORGED (FY 2024 - 2025)

INDUSTRIES & CORPORATES		
S No	Organisation Name	Scope of Collaborations
1	Jindal Foundation	- Establish Women Technology Park and implement technology-specific interventions in rural areas to help women adapt and generate employment for improved livelihoods. - Provide knowledge and practical support to foster social entrepreneurship and promote the concept of microenterprises. - Facilitate startup technology deployments at rural locations of Odisha promoting societal benefits
2	Mckinsey & Company LLP	- Establishing a robust platform to support startups, entrepreneurs, and innovators. - Conducting training programs, workshops, and bootcamps for professionals and students. - Driving collaborative research in key technological domains & sharing global best practices and insights to accelerate innovation. - Identifying and implementing innovative solutions to address regional and national challenges. - Supporting the adoption of AI, digital tools, and sustainable technologies. - Accelerating technology transfer from research institutions to real-world applications.
3	HDFC Bank	- Drive the Mission 50 Blue Economy Startup Accelerator Program. - Promote blue economy-based activities like – conferences, seminars, etc. - Assist startups to get access of various debt based funding opportunities with HDFC Bank for technology piloting & scaleup.

COLLABORATIONS FORGED (FY 2024 - 2025)

S No	Organisation Name	Scope of Collaborations
4	Harvest Plus	• Create Awareness: Educate stakeholders on biofortification, its role in combating hidden hunger, and its long-term impact on public health and food security. • Promote Collaboration: Foster partnerships among public, private, and non-governmental entities to create a scalable ecosystem for biofortified crops in Odisha and beyond. • Strengthen Market Linkages: Identify strategies to enhance the commercial viability and adoption of biofortified crops through value chain development and policy support
5	Toyota Tsusho	• Collaboration with BCKIC for the Selection of Startups for POC Trial/New Business. • Collaboration with BCKIC to transform Idea to prototype. • Collaboration with BCKIC for Open Innovation/Hackathon. • Collaboration with BCKIC for Technical and Business Assessment of Startups from Toyota Tsusho.
GOVERNMENT AGENCIES		
6	BIRAC	• To establish BIRAC SPARSH Centre at BCKIC to promote social entrepreneurship in northeast • Promote blue economy-based activities like – conferences, seminars, etc.

COLLABORATIONS FORGED (FY 2024 - 2025)

S No	Organisation Name	Scope of Collaborations
7	Assam Industrial Infrastructure Development Corporation (AIIDC)	- Facilitating strategic collaborations between industries and academic institutions in Assam and Odisha to address regional challenges - Conducting workshops/ seminars/ conferences and training programs to enhance the skills of entrepreneurs, researchers, and students, promoting best practices and fostering an entrepreneurial mindset - Assisting startups in scaling their solutions by providing mentorship, funding opportunities, and facilitating partnerships - Making policy recommendations & co-creating innovations across policy and programming - Co-creation of “Grand Challenges” or “Hackathons” focused on various sectors to discover innovations from startups and innovators
8	Healthcare Sector Skill Council, NSDC, GoI	- Organize industry-academia collaborative workshops / Seminars / Conferences / showcasing and network meets, design competitions, etc. - BCKIC and HSSC will be committed to work together to bring the developed healthcare-based technologies for deployment - BCKIC and HSSC will engage in collaborative sponsored projects tailored to address needs & challenges of the Indian Healthcare Sector - HSSC, in cooperation with BCKIC, will aim to establish & support a "Centre of Excellence (CoE)" on Molecular Diagnostics

COLLABORATIONS FORGED (FY 2024 - 2025)

ACADEMIA & R&D INSTITUTES		
S No	Organisation Name	Scope of Collaborations
9	Indian Rubber Materials Research Institute (IRMRI)	- Co-participation in "Grand Challenges" or "Hackathons" focused on thematic sectors to discover innovations from startups and innovators that align with industry needs. - Technology licensing opportunities encompassing innovative technologies emanated from startups, R&D labs and several impactful projects with the goal of licensing and commercializing the resulting technologies. - Collaborate with other cluster members to create short - term exchange programs, where experienced industry/association personnel can take a hiatus and come to teach while scientists can go to industry to work for short one-to-two-year periods while following respective organizational guidelines for such activities. - Establish technology transfer programs that enable the commercialization of research outcomes from local institutions. - Work with the cluster to design and deploy an overall fair and open policy for sharing intellectual property among members in collaborative projects.
10	NIT Rourkela	
11	ICAR - National Rice Research Institute (NRRI)	

TEAM



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BCKIC FOUNDATION STAKEHOLDERS

INDUSTRY & CORPORATES



PHILANTHROPIC



PUBLICATION HOUSE



INSTITUTES



GOVT COLLABORATIONS



INTERNATIONAL COLLABORATIONS





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Bhubaneswar City
Knowledge Innovation
Cluster Foundation

Bhubaneswar City Knowledge Innovation Cluster (BCKIC) Foundation

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