



National Bio Entrepreneurship Competition

2018



2018

HIGHLIGHTS

6

Regional rounds
across metro
cities

2000+

Registrations
for NBEC
from 28 states/UTs

11

Industry partners

NBEC registrations
across India

200+

Business pitches
across India

Rs. 2.25 Cr.

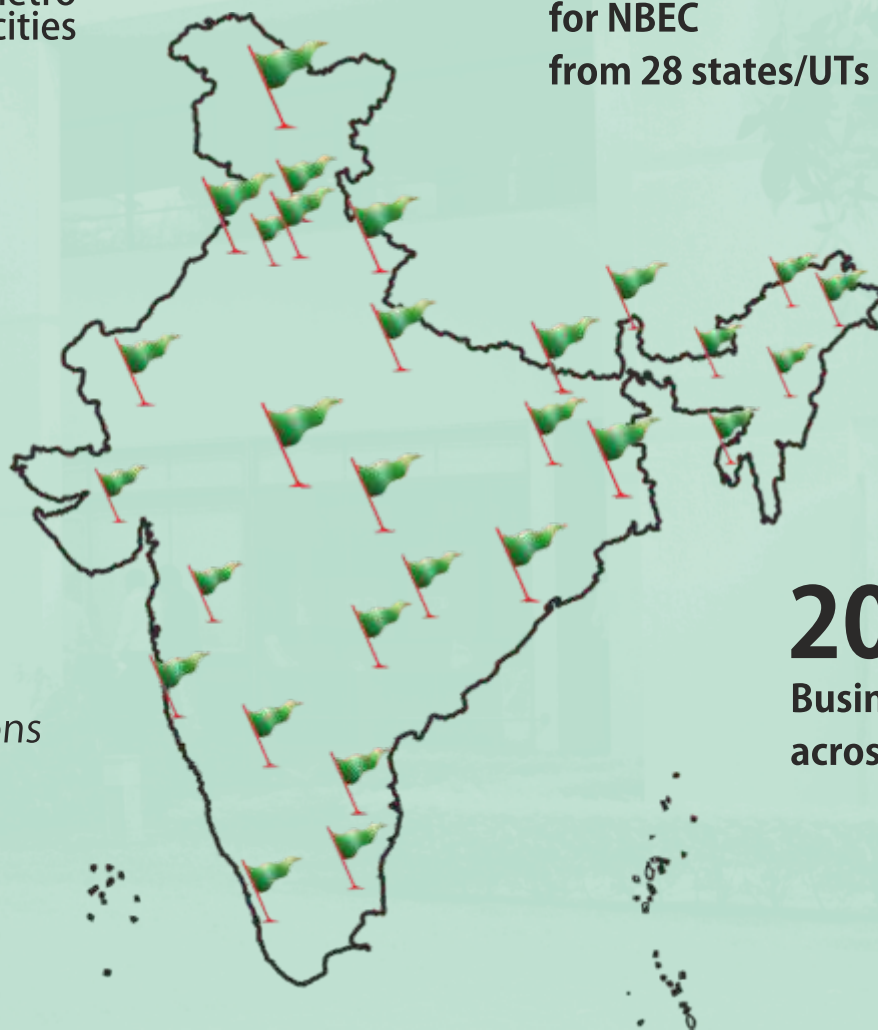
Cash prizes & Investment
for NBEC winners

10

Winners

45

Bio-entrepreneurs
provided with
specialised mentoring
at Boot Camp



National Bio Entrepreneurship Competition 2018

National Bio Entrepreneurship Competition (NBEC) is a nationwide competition to attract, identify, and nurture bio-entrepreneurs working on novel and scalable business ideas with significant societal impact. Business ideas from a wide ranging sub-domains of Life Sciences, including healthcare, agri-biotech, animal health, and industrial biotech compete for attractive prizes and investment opportunities. The competition organised by C-CAMP under BREC (BIRAC Regional Entrepreneurship Centre), is a joint initiative with BIRAC.

In its second edition in 2018, the National Bio - Entrepreneurship competition continued its previous format of three rounds spread over four months, concluding with a Grand Finale. The three rounds were:

- Round 1 - online application
- Round 2 - regional qualifiers with business pitch to Jury across 6 cities

- boot camp followed by business pitches at the pre-finals and Grand Finale

Applicants stood to compete for over INR 2.25 Cr in cash prizes and investment opportunities sponsored by various partners. NBEC was successful in establishing partnerships for prizes from a stellar group of organisations in the biotech domain including L'Oréal India, HealthVenture USA, Biocon, GE Healthcare, Pfizer, and Social Alpha/Tata FISE. Also up for grabs was a Boot Camp participation opportunity in USA by HealthVenture.

NBEC 2018 was launched on 16th August, 2018 in New Delhi, by Prof. K. VijayRaghavan, Principal Scientific Adviser, Govt. of India, in the presence of Dr. Mohd. Aslam, Adviser, DBT and Managing Director, BIRAC, and Dr. Manish Diwan, Head - SPED, BIRAC.

NBEC 2018 attracted over 2000 registrations from across 28 states and union territories thanks to a concerted outreach campaign through various media outlets and networks of partners like

towards educational institutes and research laboratories alike, to encourage innovators to participate in the competition.

Applications received at the NBEC website:

www.nationalbioentrepreneurship.in

were reviewed by a panel of reviewers through an online portal built exclusively to streamline the review process for NBEC. From the 2000+ registrations, 180 business ideas were shortlisted as regional qualifiers. Teams were invited to pitch their business ideas to a Jury consisting 2-3 experts. Business pitches were distributed over 15 Jury panels across six cities – Bengaluru, Delhi, Mumbai, Hyderabad, Kolkata and Chennai, held between November 12-16. Business ideas presented during the regional qualifiers spanned 14 biotech-subdomains, namely healthcare, including diagnostics, digital health, drug discovery and development, healthcare IT, medical devices, regenerative medicine and vaccines, agri-biotech, including soil health, food and nutraceuticals and plant-based therapeutics,

“A truly innovation led entrepreneurship requires a deep link between academia, entrepreneurship, and commercialisation. Efforts such as the National Bio Entrepreneurship Competition are bridging this gap.”

Prof. VijayRaghavan,
Principal Scientific
Adviser to Government
of India.





“The significance of a competition such as NBEC is in creating a vibrant pool of innovators. It helps connect various institutes in the country bringing in a pan-India flavour to the ecosystem. But the area where we have really succeeded is in projecting globally India's investment-ready startup market. I am very pleased that BIRAC and C-CAMP are working together in this important initiative. I hope many other incubators become partners in this larger exercise.”

Dr. Renu Swarup,
Secretary,
Department of
Biotechnology
Ministry of Science &
Technology,
Government of
India.

industrial biotech, including clean and renewable energy, and animal health.

A total of 45 business ideas were shortlisted from the regional qualifier and one representative from each team was invited to attend a 2-day entrepreneurship development boot camp in Bengaluru on December 12 and 13. The finalists went through intense mentoring sessions over a period of two days. The topics included: developing business model, value proposition, and investment and revenue models. Following the two day boot camp was the pre-final round where the participants presented a 10-minute pitch to a Jury comprising of 2-3 experts. The pitches were broadly divided into three panels, namely medical devices, health care, and agri and industrial biotech. 15 of the best business ideas from the pre-final made it to the Grand Finale.

The Grand Finale was held on December 15. The program kicked off with a video message from Dr. Renu Swarup, Secretary, Department of Biotechnology Ministry of

Science & Technology, Government of India and opening remarks by Mr. Gaurav Gupta, Principal Secretary IT, BT and S&T Government of Karnataka. The finalists then pitched to the Grand Jury which had distinguished experts from the biotech industry and investment sector and included Mr. Nitin Deshmukh, CEO and Founding Member, Kotak Private Equity, Ms. Deepthi Reddy, Head Investments & Governance, Social Alpha, Dr. Nita Roy, Head Advanced Research, L'Oréal India, Ms. Donna Lecky, CFO, HealthVenture, USA, Dr. Srinivasa Babu K, Regional Manager - Bioprocess, South India, GE Healthcare, Ms. Aindrita Dasgupta, Head of Business Development, Novozymes South Asia, Mr. Ashwin Raguraman, Co-founder and Partner, Bharat Innovation Fund, Dr. Gopala Krishna Dasika, Senior Vice President and Head, Pfizer Biologics Development Center, Mr. Naman Paithankar, Start-up Ecosystem, Amazon Web Services, and Dr. Taslimarif Saiyed, CEO and Director, C-CAMP. Finalists were judged on the novelty, business sustainability, and societal impact of their ideas.

Vaishali Kulkarni, KBCols Sciences Pvt. Ltd and Nachiket, HelpUsGreen, were the joint winners of the L'Oréal India sponsored Grand Cash prize. Chandra Sekhar Seelamantula won the Digital Health prize sponsored by HealthVenture, USA. Pranav Chopra, Crimson Healthcare Pvt. Ltd. and Sachin Dubey, Module Innovations were joint winners of the Excellence Prize sponsored by Biocon. Asif Ahmed of Innaumation Medical Devices, LLP won Excellence Prize sponsored by GE Healthcare. Shivani Gupta, Inochi Care Pvt. Ltd., received the Pfizer Entrepreneurship Award in Healthcare. An investment opportunity of \$ 100,000 USD was announced by Social Alpha/Tata FISE for Renuka Karandikar, BioPrime Agrisolutions and Vaishali Kulkarni, KBCols Sciences. Manoj Sankar of NemoCare won a \$ 100,000 USD investment opportunity from HealthVenture. Bose Karthik won the HealthVenture sponsored participation in an Entrepreneurship Development Boot Camp in the USA.



About NBEC winners

Vaishali Kulkarni of **KBCols Sciences Pvt. Ltd** was the joint winner of the L'Oréal India sponsored Grand Cash prize. She also secured an investment opportunity of \$100,000 USD from Social Alpha/Tata FISE. KBCols offers Microbial colorants: An alternative to waste generating & water polluting synthetic colors.

Nachiket of **HelpUsGreen** was the joint winner of the L'Oréal India sponsored Grand Cash prize. HelpUsGreen converts floral waste to value added products.

Chandra Sekhar Seelamantula of **iCare** won the Digital Health prize sponsored by Health Venture, USA. iCare's innovation is a suite of fundus image computing techniques for retinal prescreening, which would assist ophthalmologists in automated diagnosis of retinal diseases. They have software solutions for glaucoma severity grading and assessment of age-related macular degeneration, and

analysis of retinal vasculature.

Pranav Chopra of **Crimson Healthcare Pvt. Ltd.** was a joint winner of the Excellence Prize sponsored by Biocon. Crimson's product - SphinX, helps patients manage excretion through a surgically created opening despite loss of sphincter function.

Sachin Dubey of **Module Innovations** was a joint winner of the Excellence Prize sponsored by Biocon. Their product USense is a credit card sized device that rapidly detects the presence of 4 major uropathogens that cause Urinary Tract Infections.

Vishal Uchila Shishir Rao of **Innaumation** Medical Devices, LLP won Excellence Prize sponsored by GE Healthcare.

Shivani Gupta of **Inochi Care Pvt. Ltd.** received the Pfizer Entrepreneurship Award in Healthcare. Their company devices wound care products for complete healing of medically complex wounds like diabetic foot ulcers and pressure ulcers (bed sores).

Renuka Karandikar of **BioPrime** Agrisolutions won

an investment opportunity of \$100,000 USD from Social Alpha/Tata FISE. Their product induces physiological responses in plants that enable crops to adapt to unfavorable conditions.

Manoj Sankar of **NemoCare** won a USD 100,000 investment opportunity from HealthVenture, USA. Nemocare's Raksha is an IoT enabled smart wearable for a baby's foot, which monitors vital parameters like SpO2, Heart Rate, Respiration Rate, body temperature and body position of the baby, that will give the complete picture of the baby's health and enable a nurse or doctor to remotely monitor the patient.

Bose Karthik of **Vrehab** won a HealthVenture Boot Camp participation opportunity in USA. His startup provides a common therapeutic platform for the Neurorehabilitation for treatment of Autism, and brain stroke, using Virtual Reality (VR), Haptics and Artificial Intelligence.

"BIRAC has supported the BREC to create entrepreneurial ecosystem and to support and promote scientific element of that ecosystem. The National Bio Entrepreneurship Competition (NBEC) brings together many partners from this ecosystem and we welcome this effort."

Dr. Mohd. Aslam,
Adviser, DBT and
Managing Director,
BIRAC





"It's important that academia, industry and the government work together closely to keep the ecosystem energised. C-CAMP especially is like the nucleus of deep science research based bio ideas."

Mr. Gaurav Gupta,
Principal Secretary IT,
BT and S&T
Government of
Karnataka



"NBEC is truly a celebration of bio entre-preneurship in India. The BIRAC Regional Entrepreneurship Centre, BREC at C-CAMP that organises NBEC every year is amplifying the spirit of entrepreneurship through competitions such as this to build a critical mass of deep-science innovations across every state and UT in India. NBEC industry partners who have come forward to sponsor prizes, funding and mentorship also play a crucial role in the success of such a competition."

Dr. Taslimarif Saiyed,
CEO & Director,
C-CAMP

218 WINNERS



Vaishali Kulkarni

L'Oreal India
Grand Prize



Nachiket Kuntla

L'Oreal India
Grand Prize



Chandra Sekhar S

HealthVenture,
USA Digital Health Prize



Pranav Chopra

Biocon
Excellence Prize



Sachin Dubey

Biocon
Excellence Prize



Vishal Uchila Shishir Rao

GE Healthcare Excellence Prize



Shivani Gupta

Pfizer Award



Renuka Karandikar

Social Alpha/Tata FISE
investment opportunity



Manoj Sankar

HealthVenture, USA
investment opportunity



Bose Karthik

HealthVenture USA
Boot Camp participation



Prize Sponsors

Grand Prize



Excellence Prizes



Digital Health Prize
Cash Award, Investment Opportunity,
Mentorship and Boot Camp in US



Cloud Partner
Eligible for AWS Activate
Programme



Healthcare Prize



Partners

Investment Partner



Mentorship Partners



Associate Partner



Apex Industry Association Partner



Confederation of Indian Industry

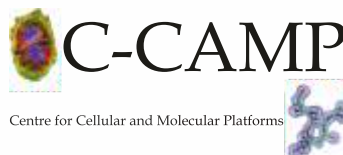


Biotechnology Industry Research Assistance Council (BIRAC) is a not-for-profit, Section 8, Schedule B, Public Sector Enterprise, set up by Department of Biotechnology (DBT), Government of India as an Interface Agency to strengthen and empower the emerging Biotech enterprise to undertake strategic research and innovation, addressing nationally relevant product development needs.

BIRAC implements its mandate by providing access to risk capital, technology transfer, IP management and mentorship.



The surge of innovation-led-bio-entrepreneurship across India has laid the foundation of a biotech start-up nation. The BIRAC Regional Entrepreneurship Centre (BREC) at C-CAMP, through several programmes, provides all the inputs required to transform early stage ventures into successful and sustainable businesses.



Centre for Cellular and Molecular Platforms – C-CAMP (www.ccamp.res.in), a Department of Biotechnology, Government of India initiative, is considered one of the most exciting centres for technology-based innovation and entrepreneurship in India in the field of life sciences.

C-CAMP was established with the aim of enabling cutting-edge bio-science research and entrepreneurship, by: i) developing and making available state-of-the-art technology platforms and providing training on these technology platforms to academia and industry and ii) building a thriving ecosystem to stimulate innovation and promote bio-tech entrepreneurship in India.

Centre for Cellular and Molecular Platforms – C-CAMP

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