

## **Detailed Report of Worksop/ Road Show**

**on**

### **“Brewing Bio-entrepreneurship in Raipur”**

**held at**

#### **School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur**

Bio-entrepreneurship is the integration of two different disciplines, science and business. It is the flow of innovation from academia to industry. Bio-entrepreneurship is the use of biological entities or any idea, related to sciences for purpose of acquiring profit and establishing a business. History has proven that starting a new biotechnology company is not an activity for the faint of heart. Neither is it an endeavour that can be undertaken without patience, perseverance or optimism at their extremes. However, no matter how strong your character, there are three structural elements that are absolutely necessary for biotechnology success. We call these the "three pillars" of bio-entrepreneurship: a quality management team, adequate financing, and access to new technology that leads to products.

With this aim a one day workshop/ road show on “Brewing Bio-entrepreneurship in Raipur” was organized jointly by Technology Business Incubator (TBI), Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, Regional Centre of BIRAC, DBT, New Delhi and School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur, on 29 August 2019 at 11:00 a.m. in the Seminar Hall of this School.

Biotechnology Industry Research Assistance Council (BIRAC) is a non-profit, public sector enterprise, set up by DBT, Government of India, New Delhi, as an interface agency to strengthen and empower the emerging Biotech enterprise to undertake premediated research and innovation, addressing nationally relevant product development needs. A TBI is a type of business incubator focused on supporting start-ups which use modern technologies as the primary means of innovation. TBI is an initiative of KIIT, which provides vibrant ecosystem for promoting innovation and entrepreneurship development, in various fields including life science through various government schemes.

The proposed event was graced by honourable Vice-Chancellor of Pt. Ravishankar Shukla University, **Professor K. L. Verma**. The workshop session started with warm welcome of esteemed guests, eminent scientists from KIIT-TBI, leading and amateur entrepreneurs by the



faculty members of School of Studies in Biotechnology. The opening speech of the session was delivered by the Honourable Vice-Chancellor. In his speech he heartily welcomed the team of KIIT-TBI and expressed his privilege of being the host of such an entrepreneurship programme.



The introductory talk of the session was headed by **Dr. Mrutyunjay Suar**, CEO, KIIT-TBI, Bhubaneswar. In his talk, Dr. Suar provided baseline information on TBI as an integrated platform for start-ups for building a vibrant ecosystem. He apprised regarding various Government agencies such as BIRAC-DBT, DST (NIDHI scheme) NITI Aayog (AIC), MSME, TDB, DIT, MHRD, *etc.*, which stand as supporting pillars along with some PSUs for funding start-ups. More than 200 TBIs have been established so far in India of which only 20 are actively working, the reason being the lack of awareness regarding funding agencies and start-up establishment procedures. He shared success stories of many young entrepreneurs who converted their vibrant innovative idea into business in their start-ups with the help of KIIT-TBI.



The second talk of the session was given by Dr. Namrata Misra, Head-Bioinnovation, KIIT-TBI, Bhubaneswar. She configured BRTC plan and action plan for start-ups in Raipur city of Chhattisgarh. She emphasized on “Building the Ecosystem : Start-up India – Make in India program” and visioned India as the 3rd largest start-up ecosystem in the world and one of the largest consumer markets with over 14,600+ start-ups with a funding support of 10,000 Crores. TBI aims in bringing together technologists, entrepreneurs and investors on one common platform. Hence provide opportunities in initiating start-ups. She detailed the funding grants available for start-ups viz.; Biotechnology Ignition Grant (BIG), Small Business Innovation Research Initiative (SBIRI), Biotechnology Industry Partnership Programme (BIPP), Promoting Academic Research Conversion to Enterprise (PACE) for academicians and faculties.



A wonderful experience was shared by eminent scientist, Professor **Rup Lal**, MD, PhiXgen Pvt Ltd, New Delhi, who narrated his journey and success story from being a Professor to a leading Bio-entrepreneur. He shared his experience on building his own start-up “PhiXgen” with his fellow colleagues as co-founders and the hurdles they faced right from the beginning of plan of action. He shared the work profile of his company which basically provides Genomic and Metagenomic analyses services, Technical services, Training Services and Healthcare products manufacturing, distribution, and marketing. Recently, PhiXgen has been allotted project on GIS-based Mapping of Microbial Diversity across the Ganges for Ecosystem Services Supported by National Mission for Clean Ganga (NMCG) with Project costing of 9.2 Crores.



The concluding talk of the workshop was delivered by **Ms Shivani Gupta**, a young Entrepreneur and Co-founder of Inochi Care Pvt Ltd, New Delhi, who shared her innovative idea of developing health care diagnostics for healing chronic wounds in her start-up. She has designed VACOX: Multitherapeutic Wound Healing Technology for faster healing of clinically complex wounds.





A total of 150 entries were registered for participation in the workshop/ road show which included faculties, research scholars and post graduate students from various institutions like School of Studies in Biotechnology, Institute of Pharmacy, National Centre for Natural Resources, and School of Life Sciences of Pt. Ravishankar Shukla University Raipur, and colleges like Govt Nagarjuna Science College, Raipur; Pt. Jawahar Lal Nehru Medical College, Raipur; Indira Gandhi Agriculture University, Raipur; Seth Phoolchand Agrawal Smriti PG College, Nawapara-Rajim; Govt. Digvijay College, Rajnandgaon; Bhilai Mahila Mahavidyalaya, Bhilai; and Shri Swami Swaroopanand Saraswati Mahavidyalaya, Bhilai. The focal point of the workshop/ road show was the announcement made by Honourable Vice-Chancellor of Pt. Ravishankar Shukla University, Raipur; he declared establishment of TBI Centre in the university campus. The session ended up with questionnaire and active discussion between the participants and eminent speakers.