



"Innovations by themselves are not enough. We must also build an ecosystem for converting innovations into enterprises....."

- President Ram Nath Kovind

Strengthening Entrepreneurship Ecosystem



Start-ups' interaction with Mr Ramesh Abhishek, Secretary, DIPP, at the Senate Room, IIT Delhi on January 8, 2018

Blockchain Technology

"Blockchain" is a buzzword among the cognoscenti that is attracting a lot of attention from startups to enterprises. The buzz created by the term is matched only by that which is being created by the cryptocurrencies like bitcoin, litecoin, tether, ethereum or the scores of other such currencies circulating in the cyberspace. Being the underlying technology for crypto currencies that use a distributed ledger to record transactions in sequential blocks and create encrypted data it has the potential to transform multiple industries and make processes more democratic, secure, transparent, and efficient.

Fintech companies have been the first to exploit this technology for digital payments and have been expanding their portfolio of app-based services; whether it is consumer lending, insurance or cross-border remittances using blockchain technologies. While fintech companies are adopting blockchain at a fast pace, other sectors like manufacturing, agriculture, energy, real estate, telecommunications, tourism, and media industries have a long way to go in adopting and adapting to this technology. Several companies are contemplating ways to adopt these technologies to its advantage and transform their operations and create newer and sustainable opportunities.

As blockchain technologies are continuing to evolve for an expanding range of applications and industries, policymakers need to be attuned to the unique benefits of these technologies, including cybersecurity benefits. The government think-tank Niti Aayog is setting up a national analytics data platform, which will be a shared India-specific blockchain infrastructure. With government organizations, educational institutes start-ups and technology giants all coming together on multiple platforms we expect to witness a revolution with wide-reaching applications in finance, academia, and international trade powered by the Blockchain technology.

- P Somarajan

Entrepreneurship Support



FITT, IIT Delhi has signed an MOU with NSRCEL, IIM Bangalore on January 19, 2018 to provide joint mentorship to start-ups

Award ceremony of Women Entrepreneurship and Empowerment Program



2nd edition of Women Entrepreneurship and Empowerment (WEE) program came to its closure with a felicitation ceremony held at IIT Delhi on December 27, 2017

POSOCO Power System Awards



6th edition of POSOCO Power System Awards (PPSA)-2018 concluded with an award ceremony on February 16, 2018

TBIU: Support system for your new start-up...

The Technology Business Incubation Unit (TBIU) at IIT Delhi promotes partnership with young entrepreneurs and new start-up companies in the institute. TBIU facilitates activities like product development, innovations, software testing, simulation and prototyping, pilot experimentation, training and other tech-related work, maintaining a homology with the Institute. The incubation centre has a Biotechnology Business Incubation Facility (BBIF) which support the biotech startups with specialised equipments, experimental facilities, IP guidances, market linkages etc.

Currently Resident Incubator Companies

Vecmocon Technologies Pvt Ltd (Develop green transit technology through motor controller and battery management system)	Valetude Primus Healthcare Pvt Ltd (Portabale device for rapid and early detection of infectious diseases)
Vizara Technologies Pvt Limited (Digital heritage India research and applications)	Botlab Dynamics Pvt Ltd (Unmanned aerial vehicles)
Luminasic Pvt Ltd (ASICs for CMOS image sensors)	Testright Nanosystems Pvt Ltd (Compact low cost spectrometer and its application)
Aquasense Equipment Pvt Ltd (Pragmatic solutions for water measuring devices)	Nanoclean Global Pvt Ltd (Nasal filters)
Clensta International Pvt Ltd (Address the accessible hygiene concerns whilst contributing in resolving global water crisis as well)	Debayan Saha (A novel endo-nasal air purification device with minimal air flow resistance)
Virmat Pvt Ltd (Physical simulator for endoscopic third ventriculostomy (ETV) and ventricular shunt)	Flexmotiv Technologies Pvt Ltd (Novel underarm axillary crutch)
Brownbag Corporate and Social Sustainability Pvt Ltd (Climate solutions for sustainable development)	Cerelia Nutritech Pvt Ltd (Tackling maternal anemia through frugal innovation)
Phase labs Pvt Ltd (Diagnosis application development using novel high resolution digital holographic technology)	Dr R Chaturvedi (Bio-engineered mesoporous dialysis nano-heads for the specific removal of excess body toxins, water and ions from kidney failure patients)
Kriya Labs Pvt Ltd (Biodegradable paper products from 100% waste paper)	Dr B Kundu (Protein stabilizer and activity enhancer)
Mr Tarun Gupta (Development of affordable intelligent self-care product of multi-morbid patients providing personalized preventive care using predictive analytics from historical / real times using IOT/Mobile Application)	Ariant Technologies & Research Pvt Ltd (Electronic fuses for ammunition to be used by army, navy, ordnance factories)
NanoDx Healthcare Pvt Ltd (A flow through array device for endotoxin detection & point of contact)	Matisoft Cyber Security Labs Pvt Ltd (Intelligent security software)

For B2B alliances, investments etc; contact: kirityroy@yahoo.com

TBIU Exits: Omnia Information Pvt. Ltd, Cutting Edge Medical Devices Pvt Ltd, Veracitech Pvt Ltd

TBIU News Bytes

Clensta among Top 10 Innovators of IIT Delhi

Clensta with the research partnership of IIT Delhi is eyeing to deliver a solution for the Personal Hygiene segment by providing comprehensive body and head hygiene without the use of water. The company also draws inspiration from the UNDP 2030 goals, while supporting "Good Health & Well Being". With the broader agenda to support the government in power in their programs like "Swacch Bharat Swastha Bharat", the product is also indigenously



Dr Puneet Gupta, MD Clensta (extreme right) receives Top Ten Innovators award by Mr Jayant Sinha (second left), Minister Of State for Civil Aviation on December 17, 2017

manufactured under the "Make in India" program which also aids the company support the authorities to improve the nation's state of economic affairs. The company is also gaining support under the government programs of "Startup India" & "MSME" which has eased the regulatory compliances whilst assisted the company to have an efficient IPR filling. Clensta has been praised by the President of India Shri Ram Nath Kovind in his speech at Indian Institute of Technology, Delhi.... Source: <http://bwdisrupt.businessworld.in/article/Biotechnology-Startup-Clensta-Raises-Pre-Series-A-Round-at-Rs-25-Cr-Valuation/11-12-2017-134267/>

Vizara at GES 2017



Vizara Technologies was showcased amongst the most innovative Startups at the "Innovation Wall" set up by Startup India Team, GoI during the Global Entrepreneurship Summit (GES) 2017 held at Hyderabad in November, 2017.

Vizara at Festival of Innovation and Entrepreneurship



VIZARA at the Festival of Innovation and Entrepreneurship 2018, Rashtrapati Bhawan, New Delhi, March 20-23, 2018

Vizara at Startup India Pavilion

VIZARA Technologies was showcased at the Startup India Pavilion during the India International Trade Fair 2017 held at the Pragati Maidan, New Delhi, November 2017



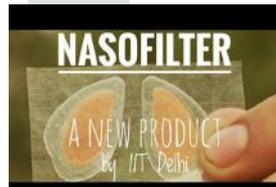
Cerelia Nutritech exhibits prototype at I3 2017, New Delhi

Cerelia NutriTech participated at 9th DST-CII-AICTE India Innovative Initiative 2017 at AICTE, New Delhi.

TBIU start-up company Cerelia Nutritech ranked among the Top 10 innovations in Tata Social Enterprises Challenge (TSEC) 2017-18, a joint initiative of the Tata Group with the Indian Institute of Management Calcutta (IIM-C) held on Jan 4-6 at IIMC, Kolkata.

Nanoclean Global Helps Delhi Fight against Air Pollution with Nano Filter

TBIU start-up company Nanoclean Global Pvt Ltd designed 'Nasofilter' to tackle deteriorating air quality in the national capital at a costs of Rs 10/. This nano-respiratory filter is meant to protect users from air pollutants, including PM 2.5 particles, and reduce risk of respiratory diseases. For more details on Nasofilters: <https://www.nasofilters.com/>



Gram Vaani inspire girls and young women to say 'Main Kuchh Bhi Kar Sakti Hoon'

Gram Vaani worked with Population Foundation of India on Main Kuchh Bhi Kar Sakti Hoon, the super-hit Indian television serial aired in AIR and Doordarshan. The serial was supported by an IVR campaign that featured audio versions of the serial and highlighted powerful messages related to breaking the glass ceiling, biases against women's commitment towards work and family, and health and family planning practices. Read more about the project: <http://www.gramvaani.org/?p=2953>

1.7 million calls received on IVR after people saw/heard TV/radio broadcast of the serial episodes

> 400,000 messages on the IVR with reflections on related topics

48% of callers were men

85% listeners correctly answered quiz Qs on pro-social themes

from **66%** women believed that punishment was ok if husband suspected wife of infidelity

to **44%**

'I, a woman, can achieve anything!'

TAKING MESSAGES ON GENDER EMPOWERMENT TO MILLIONS WITH MAIN KUCHH BHI KAR SAKTI HOON

Main Kuchh Bhi Kar Sakti Hoon, aired on Doordarshan and All India Radio, was supported by an IVR campaign that featured audio versions of the serial and highlighted powerful messages related to breaking the glass ceiling, biases against women's commitment towards work and family, women's health, family planning, etc.

Your funds can help us take the context to the internet to cater to the growing online youth population, and build strategies to have them engage on gender issues and media literacy

Gram Vaani develops a social network for people with disabilities: Enable Vaani

In collaboration with Enable India, an IVRS service has been developed for persons with disabilities – Namma Vaani in Karnataka, and Hamaari Vaani in Hindi-speaking states. In less than 2 years, this popular 'social network' has been used by over 15,000 people with disabilities, and 300 livelihood opportunities and vocational tips have been shared. Read more: <http://www.gramvaani.org/?p=2947>

Gram Vaani in building resilience in urban slum communities with Mahila Housing SEWA Trust

Indian cities are bursting at the seams due to migration from rural areas, and slums and unauthorized colonies – already woefully lacking in basic infrastructure and civic amenities – are growing to accommodate this rush. We work with Mahila Housing SEWA Trust with such communities in Ahmedabad, Bhopal and Jaipur to build their resilience to natural and manmade disasters and drive awareness and uptake of government schemes for basic civic amenities. Read more: <http://www.gramvaani.org/?p=2945>

Gram Vaani for healthier mothers, with Janani Swasthya Sewa

MAMTA's Janani Swasthya Sewa is an infoline designed specially for young married women on reproductive health issues such as contraception, birth spacing and pre- and post-natal care. It is also used by ASHA workers (frontline health workers) in Rajasthan and Uttar Pradesh to support their field work... Read more: <http://www.gramvaani.org/?p=2949>

Professor Manan Suri, Department of Electrical Engineering, IIT Delhi among India's top innovators under 35

Mint and MIT Technology Review present the winners of the Top 10 Innovators Under 35, who automatically qualify for the TR35 Global competition. The broad themes of the second edition of EmTech India to be held on 8-9 March this year at Westin Hotel in Gurgaon, include digital life, cutting edge technologies—machine learning, deep learning, computer vision and a suite of other artificial intelligence technologies—virtual reality, augmented reality, mixed reality, robotics, 3D printing, smart cities and connected health.... Source: Mint- March 7, 2018

FITT partnered Innovator Grantees under the 11th call of BIG scheme of BIRAC

- Manoj Kumar
- Md Imteyaz Alam
- Dr Vandita Kakkar
- Mr Devendra K Dubey
- Dr Suresh Kumar Ramaswamy
- Next Big Innovation Lab Pvt Ltd
- Piscium Health Sciences Ltd
- Turiya Innovations Pvt Ltd

Talk on Blockchain organised by EDC, IITD



Joseph Lubin founder Consensys, during his talk on blockchain organised by EDC, IITD at Dogra Hall on January 15, 2018

BECON, 2018



Jyoti Bansal at IIT Delhi during the opening ceremony of Becon 2018 held from February 23- 26, 2018

Who is eligible to apply for Incubation at IIT Delhi ?

As per the existing policy guidelines of the Institute, the following categories of entrepreneurs are eligible for the incubation programme at the TBIU & BBIF:

- Start-ups formed by first generation entrepreneurs.
- R&D division of existing Small & Medium Enterprises (SMEs).
- Incubator programme initiated by academic staff, students or alumni or faculty-student led company.

Corporate Social Responsibility

As a part of the CSR mandate under the Companies Act 2013, corporates can now associate with FITT and fund the technology incubation programs at IIT Delhi or implement projects in the relevant technology areas. [Contact: kirityroy@yahoo.com](mailto:kirityroy@yahoo.com)

Innovation/ Entrepreneurship Support Schemes

National Entrepreneurship Awards Scheme by Ministry of Skill Development and Entrepreneurship (MoSDE)

- Encourage a culture of entrepreneurship, recognize and honour entrepreneurs and entrepreneurship ecosystem builders
- Award Track- grant of Rs 5 lakhs to each enterprise
- Recognition Track- Rs 10 lakhs each (organizations/institutes) and Rs 5 lakhs (mentor)

Biotechnology Ignition Grant (BIG) Scheme- BIRAC

- Establish and validate proof of concept
- Mentoring incubatees and new startups
- Financial support upto Rs. 50 lakhs

Pfizer IIT Delhi Innovation and IP Program

- Support upto 50 lakhs to propel India's healthcare innovations from idea to IP

Technological Incubation and Development of Entrepreneurs- TIDE

- Scope for technology ventures (IT and IT & ES)
- Financial support during incubation upto 25 lakhs

Entrepreneurial and Managerial Development of SMEs through Incubators- MSME

- Nurture and promote technology knowledge-based innovative venture
- Financial support upto Rs. 6.25 lakhs

Seed- Support to Incubatees- TDB

- Support the start-ups at incubators upto Rs. 25 lakhs

NIDHI Seed Support System – DST

- Financial support to incubatee startups up to Rs 1 crore

FITT & NSRCEL joint Mentorship

- Jointly mentor the start-ups at their respective incubators



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TBIU Board

Prof V Ramgopal Rao, Director, IIT Delhi..... Chairman (*Ex-officio*)
 Prof M Balakrishnan, DD (S&P), IIT Delhi..... Member (*Ex-officio*)
 Prof A Gupta, DD (O), IIT DelhiMember (*Ex-officio*)
 Prof BR Mehta, Dean (R&D), IIT Delhi.....Member (*Ex-officio*)
 Prof VK Agarwal, Dean (Infra), IIT Delhi.....Member (*Ex-officio*)
 Dr S Bajaj, Director & Founder, Cygnus Hospitals..... Member
 Sh HK Mittal , Adviser, Member Secretary NSTEDB..... Member
 Dr A Wali, MD, FITT..... Convener