



FITT

TECHNO-PRENEURSHIP BULLETIN

Issue 1, Vol 9

1

April 2015

“Do not be embarrassed by your failures, learn from them and start again.... ”

- Richard Branson

Demographic Dividend

Much has been written about the demographic dividend that India is likely to benefit from as it is going to have the world's largest working-age population in the near future. That somehow is expected to catapult India ahead of China into the league of the superpowers, if our spin doctors would have us to believe. However unless this large population of 25 to 60 year olds are sufficiently trained and skilled in the requirements of an emerging economy, it will be a trigger for social unrest and upheaval.

It has been categorically shown that poor governance has led to falling standards of education all around. It is distressing to see that instead of addressing the deficiencies of the government schools and institutions that are failing in delivery of a bare minimum outcome, the powers that be are trying to pull down institutions of excellence which have excelled mainly because of the autonomy provided to them by a visionary leadership at the time. Subsequent governments not only did not incrementally increase capacity and quality over time, but also tried to curb the autonomy of these institutions and loaded them with unrealistic intake norms without corresponding investment in infrastructure. Of the many private institutions, few are able to match up to the best in the world. Most are commercial operations meant to fleece eager students who are unable to form informed decisions in the absence of fair and unbiased rating agencies and regulators.

The next decade will be crucial in overhauling and upgrading the education system to move a large chunk of our population from agrarian to emerging industries. Without policies to encourage private participation and formulation of independent regulators, the education sector seems to be poised on the verge of disaster in terms of meeting the needs of the demographic dividend. It is heartening to note that several corporate are now addressing the needs of this sector as a CSR activity. Though there is not much time, there is some hope...

- P Somarajan

Award ceremony POSOCO Power System Award (PPSA) - 2015



Mr SK Soonee - CEO POSOCO (left), Dr A Wali- MD FITT (centre) felicitating the awardees of PPSA-2015 on March 17, 2015

Invoxel among the Top 6 Innovators



Team Invoxel receiving the Top 6 Innovators' Award during the Alumni meet @ IIT Delhi on Decemeber 28, 2014

Panel Discussion on Entrepreneurship organized by the EDC at IITD



Students and faculty members during the talk on February 23, 2015

Startup Showcase Finale



Intugine Technologies won the prestigious startup showcase on March 8, 2015

TBIU: Support system for your 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 also incubated 2 biotech start-ups at the Bio-incubator. The following start-ups are currently resident:

Currently Resident TBIU Companies

Creditas Solutions Pvt Ltd (On-line platform for debt negotiation and settlements)	Carbon Neutral Technologies Pvt Ltd (An alternate manufacturing process for isoprene-a key industrial input at an economical cost)
Silver Knight Technologies (Advanced Anti-theft bag)	EkamEco Solutions Pvt Ltd (Ecological solutions in the field of sanitation, water conservation, nutrient recovery and sustainable habitat)
VM Trans Innovations Pvt Ltd (Road Transport Exchange)	Kentellus Welding & Manufacturing Pvt Ltd (New Technology for manufacturing welding electrodes)
PLANiN Innovation and Consultancy Pvt Ltd (A basket of innovative products with proprietary technologies)	Innovators Lab Consultants India Pvt Ltd (Mechanical heart valve fixation system: An improved design for superior cardiac performance)
Sakosh Biotech Pvt Ltd (Development of lateral flow immunoassay based diagnostic rapid card tests for infectious disease)	Cutting Edge Medical Devices Pvt Ltd (SCINTILLA – a portable urine protein analyser)

TBIU Exit- Inkilab Technologies Pvt Ltd

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

TBIU News Bytes

Ekam Eco Solutions awarded with the Social Impact Award at the ABP News Global CSR Excellence and Leadership Award 2015



Uttam Banerjee CEO Ekam Eco Solutions recipient of the CSR award on February 17, 2015

Workshop organised by PLANiN Innovation and Consultancy Pvt Ltd



Workshop on "A preview of Women only Network Website/application"- March 8, 2015

FITT – Corporate Membership

FITT invites the industry / industry associations / R&D organisations and financial institutions to become corporate members of FITT at a nominal annual fee. A corporate member can participate in technology transfer and joint R&D programmes of the Institute on a priority basis with FITT providing the interface. Membership Form can be mailed on request or can be downloaded from www.fitt-iitd.org. Contact: fitt00034@fitt.iitd.ernet.in

Sweden, a hotspot for start-ups

STOCKHOLM: Over the past decade, Sweden has seen a number of start-up companies like King, Truecaller, Klarna, Mojang and Spotify successfully operating in the country's technology and gaming space.....Source: *The Economic Times- January 11, 2015*

10 offbeat startups that are trying to make it big in India

It's ingenious but, er, does it make money? Perhaps all the entrepreneurs who feature in this special package would have been asked this question at some point in their startup journey.

Kalyani Khona, who has started up Wanted Umbrella, which she claims is India's only matrimonial agency for differently-abled people, may have had observers wondering where the money will come from. Her quick answer: "I have married a social cause and business."..... Source: *The Economic Times- January 25, 2015*

Indian startups beginning to make their mark in space

India's space industry, after drawing global attention for the thrifty innovations that propelled its Mars mission, is getting additional boost from an unlikely quarter: a handful of tiny startups with grand ambitions to revolutionise the sector.....Source: *The Economic Times- January 30, 2015*

Startups may enjoy excise duty, service tax waiver for a specified period

The union government is in the process of gift-wrapping a bonanza for startups with proposals to exempt them from service tax and excise duties for a specified period...Source: *The Economic Times- February 5, 2015*

Financial system technology changes aiding startups, says Vikram Pandit

Vikram Pandit, the former chief executive officer of Citigroup Inc., said the global financial system is facing another round of changes as new technology allows startups to compete with large banks. "The financial system is being completely re-architected," Pandit said Friday at the MIT Sloan Investment Conference 2015 in Cambridge, Massachusetts. The falling marginal cost to provide financing is encouraging more entrants such as online lenders, he said...Source: *The Mint- February 21, 2015*

Why you should accept the next job offer from a startup

This IIT placement season saw more Rs 1 crore-plus salary offers being rolled out than ever before. The effects of the early stirrings of an economic revival and an upbeat job market were felt on campus, with several large companies stepping up both hiring numbers and salary packages. And yet, the Class of 2015 will be best remembered for one defining trend — the unprecedented number of students who opted to work for startups instead of established companies during campus placements..... Source: *The Economic Times- February 12, 2015*

Boost for start-ups and Digital India in budget, but devil lies in fine print

One of the overarching themes of the 2015 Union Budget was clearly that of laying a sound foundation, and creating an ecosystem, for Digital India and for Make in India. We saw the beginnings of this in the budget speech of July 2014, when the Bharatiya Janata Party-led National Democratic Alliance government spoke of smart cities, funding for start-ups, an e-biz platform to integrate government departments, digital classrooms, introduction of e-visas, sops to encourage manufacturing of electronic goods, creation of more jobs and increased broadband penetration ... Source: *The Mint- March 11, 2015*

Start-ups must find their own sweet spot

Investors are warming up to the idea of the Internet of Things (IoT) as more start-ups emerge in this space. While IoT as a concept has been around for a while, Kevin Ashton, a British technology pioneer, is credited with coining the term. Start-ups, meanwhile, are taking advantage of IoT technologies and developing innovative products and services that are catching the eye of investors..... Source: *The Mint- March 18, 2015*

HUL keen to work with tech start-ups for disruptive brand campaigns

Hindustan Unilever Ltd, India's largest packaged consumer products maker and advertiser, is keen to work with technology companies and start-ups to create disruptive digital brand campaigns..... Source: *The Mint- March 19, 2015*

Life lessons from a day-old start-up

Success and arrogance are natural allies. All of these experiences convinced me I knew how to build a start-up. Circumstances have a way to conspire, though. Five years down the line, I found myself and Indrajit Gupta, my boss at Forbes India, on the road, asking ourselves, 'what next?'. It took us close to two years of pounding the road and a few hundred hours of conversations with people of all kinds to figure that out. The outcome, like I said earlier, is just a day old, and a few lessons have emerged out of it..... Source: *The Mint- March 20, 2015*

Jagriti Campaign @ IIT Delhi on January 5, 2015



Jagriti Yatra: Rekindling the entrepreneurial spark in Delhi

The entrepreneurs, on the last leg of their journey, were addressed by YS Chowdhary, minister of science and technology and Rajiv Pratap Rudy, Minister of Skill Development and Entrepreneurship. Other than the ministers, Kiran Bedi, an ex-participant of the Yatra herself, also joined the event to talk about how the experience helped her strengthen her leadership skills... Source: *The Indian Express- January 6, 2015*

Launch of Box-Out Campaign



MC Mary Kom at IITD during the launch of Box-Out Campaign on March 2, 2015

Innovation @ IITD



Students Display Innovation during the annual technical fest - Tryst 2015

Professional Candidate Registration Programme

Applications are invited from qualified professionals working in industry and research organizations for a unique knowledge augmentation and skill enhancement at IIT Delhi. This involves a semester-long registration for a regular PG course. Course fees ranges from Rs. 15,000/- to Rs. 20,000/- (industry professionals) and Rs. 6,000/- to Rs. 8,000/- (academic / government personnel) for a 42 hour lecture course. In case of a few selected courses, on-site course delivery using the two way audio-video link can be considered. All major disciplines of Science and Engineering, and also relevant courses from Humanities, Social Sciences and Management streams which are being conducted at IIT Delhi are covered. The course details can be downloaded from the FITT website: www.fitt-iitd.org.

Eligibility: Degree in Engineering or Master Degree in Science, Management or any other Post Graduate Degree with relevant industry experience. The two semester sessions in the academic year starts in the month of July and January, the exact dates being notified in advance.

Contact: uttamaswal@hotmail.com

Innovation and Techno-entrepreneurship Support Schemes

Biotechnology Ignition Grant (BIG) Scheme- BIRAC

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

Technological Incubation and Development of Entrepreneurs- TIDE

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

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



Foundation for Innovation and Technology Transfer

Indian Institute of Technology Delhi, Hauz Khas,

New Delhi-110 016

Phone: 91-11-26857762, 26597289, 26597153, 26597285, 26581013

Fax: 91-11-26851169

Website: www.fitt-iitd.org

Email: anilwali@fitt.iitd.ac.in, mdfitt@gmail.com

TBIU Board

Prof R K Shevgaonkar, Director, IIT Delhi.....	Chairman (<i>Ex-officio</i>)
Prof S N Singh, DD (O), IIT Delhi.....	Member (<i>Ex-officio</i>)
Prof S K Koul, DD (S&P), IIT Delhi.....	Member (<i>Ex-officio</i>)
Prof S Tuli, Dean (R&D), IIT Delhi.....	Member (<i>Ex-officio</i>)
Prof K S Rao, Dean (Infrastructure), IIT Delhi.....	Member (<i>Ex-officio</i>)
Mr H K Mittal, Head- NSTEDB.....	Member
Mr L Jalan, CEO, Reliance Infrastructure Limited.....	Member
Dr A Wali, MD, FITT.....	Convener