

FITT

TECHNO-PRENEURSHIP BULLETIN

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1

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A Conversation with Vinod Khosla at IIT Delhi

Mr. Vinod Khosla, a distinguished alumnus of IIT Delhi visited the institute on 2nd of September'13. One of the co-founder of Sun Microsystems; in 2004, he started his own venture capital firm Khosla Ventures which focuses on investment in the technology sector, most notably clean technology. As a part of his visit, a discussion program was organized in the Seminar Hall.

During his interaction, with the faculty and students, Khosla cited the examples of Jony Ive and Elon Musk. He said, "Good entrepreneurs don't have any bounds. They are willing to try unconventionally and break rules." For him, technology and engineering are inseparable entities in designing the future cities. He mentioned data mining, medicine, computational medicine and design as some of the growing areas in the technical ambit.



Mr Vinod Khosla during his interaction session (photo: H Singh)

Bio- Accelerator Programme

National Institute of Immunology (NII), FITT and BIORx Venture Advisors (BIORx) organized a Bio-Accelerator programme aimed at "accelerating innovation to marketplace" at the NII, New Delhi from September 20-23, 2013. This was a joint initiative to strengthen the Indian bio-economy by designing Master Class on Bioentrepreneurship for PhD scholars, Post-doctoral scientists and working executives.



India's first Bioentrepreneurship programme at NII (photo: U Negi)

Start-up India Funding Challenge

The Young Turks Start-up India Funding Challenge, was held at IIT Delhi on September 20, 2013. The event was covered by CNBC TV18. This programme aims to bring young entrepreneurs in the spotlight showcasing their journey from day one. During the event, many budding entrepreneurs from the institute shared their experiences.



Young Turks at IIT D (photo: M K Rajoriya)

"Sometimes when you innovate, you make mistakes. It is best to admit them quickly and get on with improving your other innovations..."

- Steve Jobs,
Inventor and Entrepreneur

Ed.....

The buzz around Twitter's IPO and progressive raising of capital by the 'desi' Amazon that is Flipkart may be catching the attention of serious entrepreneurs as also those on the edge - at the threshold of mulling a decision on their big entrepreneurial leap! Such news certainly provides a booster dose to the entrepreneurial ecosystem. For techno-entrepreneurs, whom we foster, the journey to stardom is usually more arduous and challenging than that for others. Interestingly, technology giants like Apple, Google, HP and several others rule the roost on the markets, and in the minds of the people. The starry-eyed young tech-creative minds can seriously consider the path of entrepreneurship given that the support eco-system in the country today is much improved than what it was several years ago. While incubators help, we at IIT Delhi wish to move further up the innovation and entrepreneurial value chain by establishing a Science Park.

Anil Wali

Call for POSOCO Power System Award (PPSA)-2014

POSOCO Power System Award (PPSA)-2014 invites research projects (Doctoral & Masters) from October 25- November 30, 2013. To encourage research in the field of power system, POSOCO (A wholly owned Subsidiary of Power Grid Corporation of India Ltd) in association with FITT, IIT Delhi has instituted 25 awards in the Doctoral category and 25 awards in the Masters' category. PPSA aims to reward excellence in the power system and disseminate successful technologies for possible industry adoption. The application as per the prescribed format may be submitted latest by November 30, 2013. For eligibility criteria, application format and other details please log on to: <http://www.fitt-iitd.org/>

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

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 following start-ups are currently resident:

Currently Resident TBIU Companies (inclusive of new residents)

Novo-Informatics http://www.novoinformatics.com/ (Develop biological software for pharmaceutical & biotechnology companies and research academics as well as serving clients in area of target modeling & drug discovery)	Wrig Nano- Systems Pvt Ltd (Advanced Blood Haemoglobin Testing POCT)
Silver Knight Technologies (Advanced Anti-theft bag)	Carbon Neutral Technologies Pvt Ltd (An alternate manufacturing process for isoprene-a key industrial input at an economical cost)
Genesis Location Services (Location specific services)	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 - first product - a cooling system/fan)	EkamEco Solutions Pvt Ltd (Ecological solutions in the field of sanitation, water conservation, nutrient recovery and sustainable habitat)
Inkilab Technologies Pvt Ltd (Diagnostics technologies integrated with process design and decision making in manufacturing processes)	
TBIU Exits	
Faros Technologies	Innovative Mechatronix Systems
Gram Vaani Community Media	Knowlez Flow Pvt Ltd
Simplyfeye Softwares	

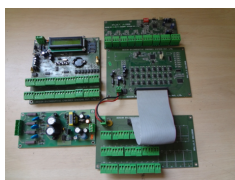
For B2B alliances, investments etc; contact: kirityroy@yahoo.com

TBIU News Bytes

a. Genesis Location Services Pvt Ltd

1. Upcoming Proof of Concept for Automated Power Factor Management at Distribution Transformers:

Genesis has scheduled an upcoming trial of its Automated Power Factor Correction device at one of leading distribution companies in India. The trial will include DT Monitoring as well as Power Factor Correction equipment field trials. Genesis has also developed compatible software to work upon the MIS for this product.



2. Genesis deploys its Telematic Services for Rural Bus Operations in Rajasthan for Payment Collection:

Genesis has deployed its inhouse product PitBull in Rajasthan Rural Bus clusters for accurate mileage and payment collection from road transport authority. This product is providing bus operators accurate and verifiable data for claiming bus operation fee from Road Transport Corporation.

b. Novo Informatics

1. BIRAC project:

Undergoing project- Designing and testing drug like compounds against type 2 Diabetes.

Current Status: Molecules designed as well as validated computationally and currently they are under biological testing

2. Product development:

drugoNov: A Protein to Drug Pathway.

Current Status: GUI has been created and various tools have been incorporated to the software.



The burden of being a start-up

What's the biggest challenge start-ups face? Ideas, funding or people to man their offices? None of them. You ask any start-up and you find there is a common problem they cite – it is the fear of failure. Not that they fear failure. It is the all pervasive fear in the mindset that generally encourages people to settle for something 'safe'.

Source: Business Line- May 31, 2013

Sebi's decision to allow startups to list shares will spur entrepreneurship

Market regulator Securities and Exchange Board of India's decision to allow small and medium enterprises to list their shares without an initial public offer has boosted sentiment across the country's startup ecosystem.

Source: The Indian Express- June 27, 2013

Laying the foundations for an 'art capital'

Start-up Island has already explored the potential for artistic entrepreneurs to thrive in the current global landscape.

The feasibility of creating and developing start-up cities that rise to 'hub' status was also analysed here. However, in the light of the impetus that is still required for arts disciplines and related business ventures, would it not be worthwhile to look at how arts capitals can be created?

Source: Business Line- July 15, 2013

Govt to fund start-ups in electronics space

The Government will soon unveil guidelines for financially supporting start-ups in the field of electronics. It may chip in with 15-25 per cent of the total investment for such projects through fund managers including banks or any large IT company.

Source: Business Line- July 24, 2013

CSR mandate to boost social start-ups

For social entrepreneurs and start-ups that specialize in philanthropy consulting, the corporate social responsibility (CSR) mandate of the new companies law could not have come at a better time.

The likes of Samhita Social Ventures, GiveIndia, Enterprise Nube's Gudville and Rang De are likely to inspire more social entrepreneurs and ventures hoping to tap into the opportunity.

Source: Mint- September 5, 2013

Vinod Khosla's 10 reference points for entrepreneurs

Some tips from ace entrepreneur and VC Vinod Khosla on what he looks

for when he invests in startups

Veteran Silicon Valley entrepreneur and investor Vinod Khosla, who co-founded Sun Microsystems in the early 1980s, has been building and funding disruptive ideas in a career spanning nearly four decades now. Khosla, who during his early teens was inspired to pursue a journey in entrepreneurship after reading about the rise of Intel in a US-based engineering magazine, believes in funding startups that can solve problems for the under-privileged masses across developing countries. On a trip to India, Khosla offered valuable advice for budding entrepreneurs, including what he looks for when he invests in startups and the routes entrepreneurs need to choose or avoid.

Source: Mint- September 6, 2013

Don't brood over ideas, just start

The belief that you can always do better is something that sets great entrepreneurs apart, and helps drive them towards future successes. Creators are never fully satisfied. They can always do better.

Steve's vision and commitment to it resulted in the iPod teams' developing a huge number of products and versions before they felt they had attained their goal and went ahead with a launch

Source: Mint- September 10, 2013

For foreign start-ups, India holds promise

Most foreign start-ups that are looking for incubation in India are in the fields of Internet and mobile technology.

Source: Mint- September 15, 2013

Government to aid textile start-ups via equity fund model

In a move that aims to replicate the success of India's IT entrepreneurs, the government is planning to fund and provide workspace to start-ups in labour intensive sectors.

Source: The Economic Times- September 17, 2013

Social Enterprise Gram Vaani exits TBIU

Gram Vaani Community Media has raised an equity investment from the Indian Angel Network and Digital News Ventures, to grow their scale of operations. The company has now exited the incubator.

Source: <http://www.nextbigwhat.com/gramvaani-funding-297/>

Forthcoming Professional Development Programmes

S No	Title	Date	Sponsored/ Participation based	Faculty/ Dept
1.	International Course on Transportation Planning Road Safety and Biomechanics	December 3-10, 2013	Participation fees based	Prof G Tiwari, TRIPP
2.	Bioprocessing India 2013	December 5-7, 2013	Participation fee based	Prof A S Rathore, ChemE
3.	IEEE- International Microwave & RF Conference	December 14 – 16, 2013	Participation fees based	Prof S K Koul, CARE
4.	SERC School cum-Symposium on Rheology of Complex Fluids-2013	December 16-18, 2013	Participation fee based	Dr S K Pattanayek; Dr V V Buwa, ChemE
5.	Short course on Techno-Economics of Solar Power	December 18 – 21, 2013	Participation fees based	Prof T C Kandpal, CES

Innovation Workshop at IIT Delhi



i.School workshop at IIT Delhi- September 17, 2013

BSES Yamuna Power Limited to continue collaboration with IIT-D for development of consumer friendly technologies



Arvind Gujral CEO BYPL and Dr Anil Wali, MD FITT, IITD sign a 3-year agreement

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. 50lakhs

Promoting Innovation in Individuals, Start-ups and MSMEs- PRISM

Support Proof of Concept/ Prototypes/ Models upto Rs. 2 lakhs
Scope for fabrication of Working Model/ Process Know-How/
Testing and Trial/ Patenting/ Technology Transfer upto Rs. 20 lakhs
Phase II 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



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