



# FITT

## TECHNO-PRENEURSHIP BULLETIN

### "SAMSUNG Innovation Award 2012"

Foundation for Innovation & technology Transfer (FITT) in association with the electronics major SAMSUNG India, organized the 2<sup>nd</sup> Edition of SAMSUNG Innovation Award contest where student-faculty teams from IIT Kanpur, IIT Delhi, IIT Roorkee and IIT Bombay participated. Innovative projects in the areas of web technology, human-machine interface (HMI), embedded and hardware system design, graphics and visualization, audio/visual content processing, cloud computing and product design were invited.

This innovation contest which took off in April saw an overwhelming response from the participating institutes. All the projects were evaluated on the criteria of their innovativeness, feasibility, usability, relevance and overall impact on masses. Twenty projects were selected in the first round, which were further shortlisted to ten in the second round. These ten projects were exhibited during the final contest conducted on 9th of August 2012 at IIT Delhi. The top three project teams received cash prize of Rs. 1.5 Lakh each along with a Samsung Trophy and a Samsung Tablet for their institute. The highlight of the event was a Quiz contest conducted by quiz guru Mr. Rajiv Makhni that ensured a huge turnout of students and faculty members. The event was covered by CNBC.



Following projects were declared winners:

|                      |  |
|----------------------|--|
| ZUMBL (IIT Delhi)    | A phone/computer downloadable application, which uses NLP and sentiment mining to work as a filter to match strangers and enrich avatars to a conversable state. |
| CLASAT (IIT Kanpur)  | Computationally light audio based semantic analysis tool – an audio based context and event recognition system for mobile platform.                              |
| DRISHTI (IIT Bombay) | Universal eyeglasses using tunable – focal lens system and an intelligence module which quantifies refractive errors without human intervention.                 |

*"The successful person makes a habit of doing what the failing person doesn't do...."*

- Thomas Alva Edison,  
Inventor and Entrepreneur

*Ed....*

Technology based entrepreneurship continues to fascinate. The inherent challenges notwithstanding, many an entrepreneurial Braveheart ventures out! Technology innovations excite and consequent entrepreneurial successes sublimely inspire.

FITT enables not just a facile entrepreneurial platform at IIT Delhi but, strengthens the national innovation eco-system too. Whether it is partnering the Wallonia Tech India program since 2011 or being selected by BI-RAC as one of the three partners (in the country) to manage the Biotechnology Ignition Grant (BIG) scheme from 2012, we continuously strive to capture the creative and entrepreneurial potential in the region for economic good.

Anil Wali

### Wallonia Tech India Program 2012

Wallonia Tech India 2012, an internationalization program where FITT is a partner with AWEX (Belgium) has moved into the 2nd year. FITT is supporting the program in identifying, selecting and linking technology ventures with opportunities in the Walloon region of Belgium and to explore the vast network of support services and resources of AWEX. This year 7 companies were selected through an evaluation process carried out at Delhi and Pune.



#### 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 client 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](http://www.fitt-iitd.org).

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1

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## Making their Mark: TBIU companies .....opportunities towards B2B alliances, investment etc.



**NOVOINFORMATICS** - a Life Science based R&D Company was selected amongst the top 75 startups in The Economic Times' "The Power of Idea Contest 2012"



"Jharkhand Mobile Radio" programme of **Gram Vaani**, an Incubate company at TBIU, IIT Delhi was declared finalist at the Vodafone Mobiles for Good Contest

2012 & Winner of mBillionth Award 2012.



**Mechartés Researchers Pvt. Ltd.** has been awarded SE 2B rating by NSIC-D&B-SMERA Rating Agency of India Pvt. Ltd. It Indicates "High Performance" with "Moderate Financial Strength" of Firm.

## Currently Resident TBIU Companies (inclusive of new residents)

|  |   |
|--|---|
| <b>Knowlez Flow Pvt. Ltd</b><br><a href="http://www.knowlezflow.com">www.knowlezflow.com</a>   | Knowlez Flow Pvt. Ltd., New Delhi, a start-up promoted Prof. K. K. Biswas, CSE, Prof. M. Hanmandlu, DEE, Dr. Anirban Das and Mr. Apoorav Gupta commenced incubation operation in the area of "Intelligent ubiquitous learning system for engineering discipline". The company plans to develop internet based software for creating learning systems wherein a series of intelligent pedagogical agents would perform teaching and learning tasks converging in engineering subjects. |
| <b>PLANiN Innovation &amp; Consultancy Services Pvt. Ltd</b><br><a href="http://www.planin.co.in">www.planin.co.in</a> &<br><a href="http://www.innovatingforindia.com">www.innovatingforindia.com</a> | PLANiN Innovation & Consultancy Pvt. Ltd., is a start-up promoted by Mr. Fani Bhushan, an engineering graduate from School of Planning & Architecture, New Delhi and others along with Prof. Anoop Chawla, Mech. Engg. Deptt. as IITD faculty mentor. The company plans to work on a basket of innovative products with proprietary technologies. The company's initial focus is for a cost-effective cooling system/fan for deployment in truck cabins.                              |
| <b>Wrig Nanosystems Pvt. Ltd.</b><br><a href="http://www.wrignanosystems.net">www.wrignanosystems.net</a>  | An ongoing venture, Wrig Nanosystems Pvt. Ltd., promoted by Mr. Ambar Srivastava, first generation entrepreneur, in association with Dr. Veena Koul, CBME, has developed an "Advanced Blood Haemoglobin Testing POCT (Point of Contact Testing)" opto-electronic technique for direct blood hemoglobin measurement without carboxyhemoglobin interface.   |
| <b>Simplyfeye Softwares Pvt. Ltd.</b><br><a href="http://www.simplyfeye.com">www.simplyfeye.com</a>  | User-friendly operating platform for biopharmaceutical manufacturers to capture, share and analyze information from biopharmaceutical processes.  |
| <b>Faros Technologies</b><br><a href="http://www.farostech.com">www.farostech.com</a>  | Development of simulator sub components, simulators and providing simulation services.  |
| <b>Gram Vanni Community Media</b><br><a href="http://www.gramvaani.org">www.gramvaani.org</a>  | Building innovative models of media delivery for rural areas of India.  |
| <b>Shalya Technologies</b><br><a href="http://www.shalyatechnologies.com">www.shalyatechnologies.com</a>   | Design and development of medical implants.   |
| <b>Innovative Mechatronics Systems</b><br><a href="http://www.imechatronix.com">www.imechatronix.com</a>   | Design, development and manufacture of micromachining system.   |
| <b>Yonyx Technologies</b><br><a href="http://www.yonyx.com">www.yonyx.com</a>  | Internet based interactive platform – structured conversation engine.   |
| <b>Genesis Location Services</b><br><a href="http://www.genesis-in.com">www.genesis-in.com</a>   | Intelligent location based Services (biometric sample collector & transmitter unit).  |
| <b>NovolInformatics</b><br><a href="http://www.novoinformatics.com">www.novoinformatics.com</a>  | Bioinformatics tools in lead molecule generation.   |

## TBIU Exits

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|--|--|
| <b>Sunurja Renewable Energy Pvt. Ltd.</b><br><a href="http://www.sunurja.com">www.sunurja.com</a>                      | Design and Development of renewable energy solutions including power electronics.                                |
| <b>Innovative Transport Solutions</b><br><a href="http://www.itrans.co.in">www.itrans.co.in</a>                        | Technical solutions for traffic/transport systems and development of models for sustainable transport in cities. |
| <b>Global Motortech</b><br><a href="http://www.globalmotortech.com">www.globalmotortech.com</a>                        | Products and services in motor design and analysis software.   |
| <b>Advantage Organic Naturals Technologies</b><br><a href="http://www.advantagenature.com">www.advantagenature.com</a> | Development of bio-processes for use in making garments with wellness properties.                                |

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## IIT Delhi makes waves

"INVoxel" an interactive Surface embedded technology developed by Mr. Sachidanand Swami made into top 75 finalist of The Economic Times' "The Power of Ideas 2012". The Above technology was developed under TePP fund support at FITT, IIT Delhi. It also received wide recognition during the Open House 2012 event at IIT Delhi.

Vroom Away: Axlr8r, the 17 member student team from IIT Delhi, has created their own Formula 1 race car that took 4 years and more than Rs. 7 Lakhs to make it ready for the IMechE, UK, 2012 event.

Team "GARUDA", a seven member student team lead by Arpit Goyal under mentorship of Prof. Shouri Chatterjee, Electrical Eng. Department, IIT Delhi stood at 3rd position in 'International CanSat Competition 2012' organized by NASA in association with The American Astronautical Society (AAS) & American Institute of Aeronautics and Astronautics (AIAA) in the month of June-12, Texas. The team beat 40 odd teams from more than 7 countries and preliminary design suggested by the team was ranked 2nd worldwide.



Source: IIT Delhi

## Center moots Rs. 2kcr VC fund for R&D in Pharma Sector:

The center may set up a venture capital fund of Rs. 2000 crore to promote research and development in the pharmaceutical sector. The Department of Commerce is in talk with the Exim Bank and some other financial institutions to fund the initiative.

Source: The Economic Times, 4th July 2012

## Microsoft's image-matching tech helps stamp out child abuse on the Net:

PhotoDNA is an image-matching technology developed by Microsoft Research in collaboration with Dartmouth College. Like a fingerprint, it creates a unique signature for a digital image, which can be compared with signatures of other images to find copies of that image. Microsoft has licensed PhotoDNA to the centre and it helps law enforcement agencies to stop spreading of millions of pornographic images of children circulated in web and also to identify and rescue these children.

Source: The Hindu, Business Line, 4th July, 2012

## Fund rush at startups belies slowdown:

In sharp contrast to the generally grim economic mood that characterizes India now, the startup space is bubbling with energy and activity. Unmindful of a slowing economy and regulatory uncertainty, intrepid entrepreneurs across the country are launching new businesses that sell products online, provide healthcare, education, communication and myriad other services to the growing ranks of India's middle class. In 2011, funding in such ventures crossed the \$1-billion mark for the first time.

Source: The Economy Times, 31st May 2012

## Why India needs larger no. of start-up factories:

Not every company can do what Google, Hewlett-Packard or Apple did – start up in a garage and strike it big. That's why India needs plenty of incubators like those in Silicon Valley.

Source: Economic times, 7th June 2012

## Startups on overdrive to induct non-exec Directors:

Startups and SMEs are tapping into a new talent pool of former entrepreneurs, retired MDs and VPs who can scale up their business. Many startups are also wooing non-exec directors with a mix of equity and cash.

Source: The Economic times, 13th July 2012

**FITT has been selected as one of the three B.I.G. partners in the country for the implementation of Biotechnology Ignition Grant (BIG) Scheme of Biotechnology Industry Research Assistance Council (BIRAC), a Government of India enterprise. The scheme is designed to help establish and validate proof of concept, and enable creation of spin-offs.**

## Forthcoming Professional Development Programmes

| S. No. | Title   | Date             | Sponsored/<br>Participation based      | Faculty/Dept.  |
|--------|---|------------------|--|--|
| 1.     | Training on "Super Critical Power Generation Technologies"  | Oct. 19-20, 2012 | Lanco Infratech Ltd.                   | Prof. P M V Subbarao, ME                                 |
| 2.     | Workshop on "Innovations in Microbial Interventions Targeting Remediation of Toxic Contaminants". | Nov. 2, 2012     | Participation fee based                | Dr. Anushree Malik, CRDT<br>Prof. T R Sreekrishnan, DBEB |
| 3.     | Training on "Storm Surge Prediction"  | Dec. 20-21, 2012 | World Meteorological Organization WMO) | Prof. A D Rao, CAS                                       |
| 4.     | Short Course on "Financing of Renewable Energy Technologies"                                      | Dec. 12-15, 2012 | Participation fee based                | Prof. T C Kandpal, CES                                   |



## Innovation & Techno-entrepreneurship Awareness Programs at IIT Delhi



Idea Generation Workshop at IIT Delhi:  
EDC, IIT Delhi.



Interactive Session on Innovation  
Center: IIT Delhi, on 22nd August 2012.



I-Clinic on 10th September 2012.

### "Alumni helping Alumni" : mentorship program at IIT Delhi

FITT co-hosted a mentor session 'IIT Mentors' Delhi Chapter' on August 1, 2012 at IIT Delhi with the goal to unlock the potential power of the IIT Alumni network for the benefit of the Alumni & Students. Mr. R S Pawar, a distinguished IIT Delhi alumnus & Founder Chairman of NIIT delivered the key note address and presided over the session. Group mentoring sessions invoked themes of Entrepreneurship, Research & Innovation etc. More than 25 mentors interacted with a large section of mentees including students of IIT Delhi.



Dr. A Wali led a 15-member group of incubation managers, Govt. officials and others to attend (Sept. 9-18, 2012) an Executive Development Program on Technology Commercialization at Texas under the DST-Lockheed Martin India Innovation Growth Program.

#### TBIU Board .....

Prof. R. K. Shevgaonkar, Director, IIT Delhi.....Chairman (Ex-officio)  
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Prof. Ashok Gupta, Dean (Infra) IIT Delhi.....Member (Ex-officio)  
Dr. A. Wali, MD, FITT.....Convener



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#### FITT Team

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**Managing Director:** Dr. A Wali  
**Executive Team :** Sh. K K Roy, Sh. M Mahajan  
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