

TePP e-NEWS

(Technopreneur Promotion Programme, an initiative of DSIR, Govt. of India)

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TePP - India's largest open innovation network program



*Prof. Anil K. Gupta
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and Coordinator, SRISTI and
Honey Bee Network
and, Executive Vice Chair,
National Innovation Foundation*

“I am very happy to share my thoughts about the TePP journey so far. It has become as one of the most important national platform to help individual innovators from around the country. It compliments what NIF does for informal sector in a very significant and meaningful manner. Of late, I have seen a marked improvement in the quality of innovations it is taking up for enhanced support. I do feel that if institutional employees are served through some other window or scheme that will be useful because unattached individual innovators even with professional background can not often compete with those who are part of the institutions. Not that they do not need support, they do, but may be through a dedicated fund for such a purpose.

There are many challenges before TePP to become even more effective:

a) by engaging technology youth vigorously (see Techpedia.sristi.org) we can galvanise TePP program much beyond the current level, i saw some very interesting presentation in the last meeting. I think we need to maintain this temp.

b) the networking among the incubatees of different TePP Outreach Centres can increase a great deal more than what it is at present.

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c) NIF and Honey Bee network has had experience of more than 55 tech transfers so far, may be a critical appraisal of that experience can help others who are trying to find entrepreneurs to take their technology forward rather than becoming entrepreneur themselves. There are many failures from which one can learn just as there are many successes too. TePP Outreach Centres may also have similar experience.

d) lastly, I think we are not distilling the wisdom of our collective experience enough. There is a great deal to learn from each other and may be this newsletter can trigger that process.

I want to strongly compliment A S Rao and his team for bringing TePP to this stage which is admirable and worth taking forward. He is an amazingly charged person with unparalleled quickness in responding to any mail sent to him, day or night. I hope that the standards of responsiveness that he has created will be taken as a benchmark in future.

I convey my best wishes for the continued success of this newsletter and the program.”

TePP Activities at Technopark, Trivandrum



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Section of the techies attending the fifth edition of Barcamp Kerala on the 3rd May, 2009

Barcamp Kerala 5 organised by Technopark

The Offline meet of Entrepreneurs, geeks and tech lovers was celebrated as a festival by the Technopark community. The ultimate 'unconference' was held at Technopark once again. There were around 150 participants from students to IT professionals from across Kerala. As part of its efforts to spread the spirit of innovation and entrepreneurship among the techies and local innovators, the Technopark TBI & Technopark TUC had jointly organised the fifth edition of Barcamp Kerala this Sunday (May 3). The event started at 9:30 a.m, at Park Centre, Technopark. This is the fifth barcamp that has been happening in Kerala in the past 2.5 years. A number of well-prepared and interactive sessions became the highlight of the day. Some of the sessions that marked the day are as follows.

Kenney Jacob, one of the co-founders of MobME Technologies started the event with his session on Technopark TBI incubation basics and the support offered by Technopark. This was followed by a session on the changes that the young generation needs today.

The 3rd session was a presentation on "A Quick and Dirty Compiler using C# .NET" by Prasad Pai. followed by Binny V A, an avid blogger took an interesting session on "What they don't teach you in college? Everything important". He also talked about version control systems.

Clipping from "The Hindu" on the fifth Barcamp Kerala.

Young innovators take centre stage
150 techies participated in the fifth edition of BarCamp Kerala held at Technopark

Sangeetha Unnithan

THIRUVANANTHAPURAM: "Even if somebody offers me a degree for free I would not accept it. Not having one itself is my identity."

Twenty five-year-old Binny V A, from Kochi is a youngster who takes pride in revealing that he is a college dropout. Soon after he flipped through the syllabus for Bachelor of Computer Application (BCA) course, a few years back, Binny realised that he was already way too ahead of the course material. Today, Binny is one of the most successful freelance Web developers in Kerala.

"I started dabbling in IT tools right from my Plus One days. When I completed Plus Two and joined college, I found that the college syllabus was totally outdated. It did not take long for me to realise that I would be wasting my time if I pursued the course," said Binny on the sidelines of BarCamp Kerala here on Sunday.

Binny's presentation at the BarCamp on 'Development - What they don't teach you in college (Everything Important)' was an instant hit. The session covered topics on the latest tools and languages used in Web development.

"These are typically things that will never be taught in a college classroom but that companies teach during the recruits' training period. The IT field is developing so fast, by the time a university decides on a syllabus and prints books, they will be outdated,"

YOUNG TECHIES: BarCamp Kerala in progress at Technopark on Sunday. - PHOTO: S. GOPAKUMAR

said the whacky Web developer.

With a steady clientele and enough projects to keep him busy, Binny is more than satisfied with his freelancing career so far. Although forming a company could improve his scope and reach, he only sees it as a possibility for now. "Today, companies come seeking my services. If I form a Web development company, it might help me scale up my career. But as of now, I am only viewing it as a possibility," said Binny who is also an avid blogger.

As many as 150 techies, including college students, IT professionals and young innovators, participated in the fifth edition of BarCamp Kerala organised at Technopark. Around 19 interactive sessions on various topics were held.

Hot topic

Blogging remained one of the hot topics at the event where presentations were made on the micro-blogging platform Twitter. Plus Two student Aravind Jose from Kottayam, one of the most prolific Twitter users in the State, presented a 'Twitter Video'.

"How to build a popular Web site in 6 months" by Manoj Karthik, "Improve your Google search skills" by Sultan Arun, a session on distributed computing framework by Vishnu Gopal and 'Re-wiring and Re-inventing tools of Education using IT-enabled Logical Memory Maps' by Dr. Kishore were some of the topics discussed. Rajesh Yemungal made a non-technical presentation on the Young Kerala initiative.

The event also helped the Technopark Technology Business Incubator (TBI) in identifying around half a dozen innovations for its Micro Technopreneurship funding support. Project proposals on electronics-based hardware and software systems on enterprise reporting by Jithin Samuel of Mangalore Engineering College, 'Pump ON/OFF system' by Robin Baid and Arun S Praveen from Marha College of Technology, North Paravur, and a project useful for the fishermen community called 'DSP Fish Finder and GPS-based Marine Navigation' by Bobby Thomas Panicker were among those short-listed by the Technopark TBI.

Secretary cum-Registrar, Technopark TBI, K.C. Chandrasekharan Nair said that a maximum support of Rs.75,000 could be provided to young innovators under this scheme.

- Six projects identified for funding
- Up to Rs.75,000 to be provided to innovators

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Innovations Scouted for MicroTechnopreneurship Support by Technopark TUC

The unconference served to scout half a dozen of innovations from the Techies. Some of the innovations scouted for MicroTechnopreneurship funding support from Technopark TUC included a project on “Electronic based hardware and software (interactive reporting) by Mr. Jibin Samuel of Mangalam Engineering College.

A project ‘Bioinfiz ‘ by Dr.Kishore from Trivandrum .

A project useful for the fisherman community called ‘Marine GPS Navigation with DSP Fish Finder in regional language by Mr.Boby Thomas Panicker an alumnus of TKM College of Engineering

A project called ‘Pump ON/OFF system’ by Mr Bobin Paul & Arun S Praveen from Matha College of Technology , N Paravur etc

The Microtechnopreneurship scheme of DSIR comes under the TePP Phase I which is essentially innovation incubation). A Max support Rs 0.75 lakhs is available to the innovators under this scheme.

Two projects sanctioned TePP Phase I support in the 93rd meeting of TSC. The details are as follows:



1. Project : Development of a low cost Integrated Biochip System for Cancer Screening by Dr. V.I. Bishore. The proposal is recommended for TePP support of Rs. 15.00 lakhs.



2. Project: Rat Vanisher (Rat Repellent) by Shri. V.K. Shaji. The proposal is recommended for TePP support of Rs. 5 lakhs.

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Two projects sanctioned TePP Phase I and 2 projects for Micro TePP support in the 94th meeting of TSC. The details are as follows:

1. **Project: Embedded hardware based Security solution by Mr. Vikas Srivasthava. The proposal is recommended for TePP support of Rs. 8.00 lakhs.**
 2. **Project: Digitally controlled Three Dimensional Billboard by Mr. Mehr. Ali. The proposal is recommended for TePP support of Rs. 8.00 lakhs.**
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1. **Project: Intelligent Remote Controlled Arm by Mr. T.K. Velayudham. The proposal is recommended for MicroTePP support of Rs. 75, 000/-**
 2. **Project: Smart Patient Assistance (SPA) by Mr. Avinash Prabhakar. The proposal is recommended for MicroTePP support of Rs. 70. 000/-**

Kerala turns up trumps in technopreneurship race ... from “The Economic Times”

A good story for TUC, Technopark and challenge for other TUCs to better – Dr. A.S. Rao

THIRUVANANTHAPURAM: It was sometime in the making, but now it is official. Kerala’s lowly image of being little more than a banana chips-player in the country’s industrial sweepstakes is getting turned right on its head.

In the latest report of the Department of Scientific and Industrial Research, which showcases exciting start-ups from across the country, technopreneurs from Kerala have left the rest of the country way behind, accounting for a good 50% of the projects. As many as 11 of the 23 latest start-ups showcased by DSIR are from Kerala, including projects that straddle diverse ideation ranging from optimization of a holographic pulsed portrait camera system to a cardiac analyzer, and an automated multi-level modular automobile parking system to a pedestal wet grinder.

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Fittingly, the state's start-ups saga is being scripted at the Technopark, itself a trendsetter in the country's tech horizon when it was launched as the first technology park in the country before the IT/ITES revolution swept the nation.

The Technopark Technology Business Incubator (T-TBI), which functions under the Department of Science and Technology, is presently incubating two dozen start-ups, all of which are hopeful of emerging as full-fledged companies in the near term.

“The success stories are the result of funding by the DSIR by way of grant and the mentoring we do at T-TBI. DSIR provides Rs 75,000 for viable ideas under the micro-technopreneurial programme (TePP), then a larger funding of Rs 15 lakhs at the prototype development level and Rs 45 lakhs at the commercialization stage, all as grant. However, many of the technopreneurs have little knowledge outside the tech domain and we provide overall mentoring, including the financial and management aspects”, says K C Chandrasekharan, CFO and Program Co-ordinator for New Initiatives at T-TBI.

He says Kerala has not been entrepreneur-rich but Technopark's brand strength and the mentoring services offered by T-TBI has been attracting an increasing number of technopreneurs to get their ideas off the ground.

According to Sanjay Vijaya Kumar, CEO of MobME, a mobile media entertainment company and a beneficiary of TePP funding, seed capital is what is often lacking in the entrepreneur eco-system and TePP funding has filled this gap.

Agrees Babeesh C T from Kozhikode, who has developed a wearable ECG monitoring equipment along with his friend Jerry Raj: “Funding was a hurdle and the Rs 2.25 lakh we got from DSIR has helped grow our venture to one that employs 15 persons now”, says he.

T-TBI is presently incubating 24 companies at the Technopark campus, and another 50 companies that were incubated have since moved out to be on their own.

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TePP Activities at ABI-ICRISAT, Patancheru

Agri Business Innovators Camp : The Agri-Business Incubator at ICRISAT as an outreach centre for TePP, conducted the third Agri Business Innovators Camp on June 3, 2009 at ICRISAT, Hyderabad for identifying innovative technologies and products. Around 15 innovators from various parts of Andhra Pradesh attended the camp and presented their technologies for various levels of TePP funding assistance. The TePP screening committee comprising of Dr. A.S. Rao, Advisor, DSIR, Govt. of India, Dr. Durga Prasad, Managing Director, Vaishnavi Biopower, Prof. Chouhan, Ex. President, Matrix Agri Sciences, Dr. Dwarkesh Parihar, Chief Scientist, M/s Bioseed Research India Pvt. Ltd. & Mr. S. Aravazhi, ABI-ICRISAT scrutinized the proposals and gave recommendations to the innovators.

The recommendations included refinement in technology, changes in approach and funding levels clarifications. About eight proposals were recommended for funding along the lines of suggested course of action. Some of the innovations presented to the committee include enhanced liquid biofertilizer, biofer, cotton plucking machine, diesel engine running on castor oil etc. Dr. Kiran Sharma, Head-ABI-ICRISAT and Mr. S.M. Karuppanchetty, Deputy COO (ASP) & Manager, ABI-ICRISAT interacted with the participants and assured innovators and DSIR of institutional support services and cooperation in operating TePP program successfully at ABI-ICRISAT. This program has helped ABI-ICRISAT effectively reach the Technopreneurs and grassroots innovators.



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Section of the participants in the Agri Business Innovator's Camp



TePP Activities at NITK – STEP, Hubli



Chief Guest Prof. H.P Khincha, Vice Chancellor, Visveswaraiah Technological University, Belgaum, delivering the keynote address sharing his insightful experience on managing innovation at academia.

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Section of the audience participating in Innovator Funding Camp at NITK-STEP



Dr. A.S. Rao, Advisor & Head TePP Division, DSIR, New Delhi, discussing with the innovator on his project proposal

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NITK-STEP/TUC in association with Karnataka Chamber of Commerce & Industry HUBLI held an Innovators Funding Camp at Hubli on 17-06-09. The Chief Guest on this occasion Prof. H.P. Khincha, Vice Chancellor, Visveswaraiiah Technological University, Belgaum in his presidential address emphasized the role played by the leading technology institutions in the country in promoting innovation and entrepreneurship in academic environment.

Dr. A.S. Rao, Advisor and Head, TePP Division DSIR briefed the gathering on the technicalities of the TePP scheme and DSIR's initiative in setting up outreach centers across the country to make the scheme more easily accessible and affordable by innovators situated even in the remote parts of the country. The workshop was attended by practicing entrepreneurs, industry professionals, academicians and students. Twelve innovators submitted their proposals, which were discussed with the concerned innovators on one to one basis suggesting future courses of actions.

TePP Activities at TUC Udaipur



Chief Guest, Mrs. Aparna Arora, Divisional Commissioner, Udaipur, addressing the gathering during the TePP Workshop.

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Section of the participants in the TePP Workshop at Udaipur



A view of Poster Presentation at the workshop.

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A state level TePP workshop was held on April 30, 2009 at CTAE, Udaipur. It was inaugurated by Mrs Aparna Arora, Divisional Commissioner of Udaipur and Mr. Pratap Singh, Scientist C represented DSIR, New Delhi. More than 200 participants from all over the state attended the same. State unit of DST of Rajasthan also participated in this workshop and assured to coordinate the programmes of DST with TUC, Udaipur. An important event in this workshop was the handing over the DD of the sanctioned amount of TePP support to innovators by the chief guest. All the innovators were asked to interact with the participants and give their frank opinion about the working of TUC, Udaipur and also new suggestions for TePP.

A small exhibition was also arranged in which the innovators displayed their innovations. Dr Virendra Kumar, Dean of the college and chief coordinator of TUC, Udaipur delivered the welcome address. In his welcome address Dr Virendra Kumar informed the delegates about the brief history of the college. He has also informed about the technologies developed by the various departments of the College. Dr. S.M. Mathur, Coordinator of TUC, Udaipur and Organizing Secretary of the workshop gave the outlines of the TePP activities. He informed the participants about the basic requirements and educational qualification of the individual innovators to be a part of the TePP scheme. Dr. Mathur in his address also explained about the TePP Scheme and role of various TUCs at various places in the country. He encouraged the participants to approach to TUC office and take useful guidance/tips for filling up the TePP application form.

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Mr. Pratap Singh of DSIR gave an audio-visual presentation mentioning the work done by the TePP scheme in the country. He also showed the various commercially viable technologies developed in the country by various innovators with TePP support since its inception. He emphasized that the basic requirement is that the idea must be innovative or it should either reduce the production cost or increase the efficiency of the existing technology. Mr. Pratap Singh, Dr. S.M. Mathur and team members of TUC Udaipur interacted with the participants and solved their queries. They also briefed about the procedure for filling up the application, preparation of budgetary requirements, methodology and availability of the application forms on various websites. There was a very long discussion on the patenting of the innovative idea. Most of the participants were afraid of the stealing of their idea. DSIR and TUC officials advised them if they have any doubt in their mind they can get their idea patented before submitting the proposal to TUCs. Most of the participants were interested to know more details about the filling of the provisional patent application. **TUC, Udaipur is of the opinion that a 2-3 days workshop on patenting should be organized by TePP for all TUCs.**

The second session of the workshop was conducted after lunch. During this session one to one interaction of the innovators was made with participants. Technological Angels of TUC, Udaipur were also invited in this workshop. A briefing session was arranged for them regarding filling of the technological angel proforma

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A meeting of all innovators along with TMC Chairman, Dr. K.N.Nag, Ex vice Chancellor of Rajasthan Agricultural University, Bikaner and TUC Coordinator was also arranged on this occasion and Mr. Pratap Singh gave some guidelines to innovators regarding submission of statement of expenditure to all the innovators.

From TePP Open Innovation Network

Investment offer from iira

Varadarajan Krish, Co-Founder & President, Investment Innovation & Research Alliance, Bangalore offers to TePP innovators funds, mentoring, global connectivity & other value added services, in Phase-2 and in subsequent phases. See detail at: <http://www.iira.in/>
Contact: vkrishatiiradotin

Nokia Life Tools Agriculture services

Nokia Life Tools Agriculture services aim to plug the information gaps and needs of farmers, by providing information on seeds, fertilizers, pesticides, market prices, and weather (temperature, rainfall, wind conditions) via their mobile phones. Models Nokia 2330 and 2323 are compatible with this service.



The simplicity of this thing is amazing!!! and yet nobody thought of it earlier! *Innovation has no end...*

Designer Jinsun Park from Korea has come out with a simple tool called **Color Picker**. Place the pen against an object and press the scan button, the color will be detected by the color sensor and the RGB cartridges in the pen will mixed the required inks to create the target color. Now draw...

.....shared by Prof. C. Amarnath

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GE Edison Challenge 2009



The [Edison Challenge](#) is to design an innovative technological solution to the energy requirements of a community of moderate or medium size. The energy requirements for households and institutions in rural or semi-urban communities are diverse - electrical, thermal, mechanical, etc. There are also several natural and other resources that are available as potential sources of energy. These may be underutilized or, at times, overexploited. The crucial need is for solutions that demonstrate their practical feasibility and ability to scale up to the required levels.

Challenge: Your task is to choose a rural community with about five hundred to one thousand houses near your home or college. Your challenge is to understand the community's energy requirements, investigate the available resources, and then propose a novel technology/methodology that is sustainable and cost-effective to improve the energy scenario in the community. The baseline you are starting with and the improvement in energy availability you aim to achieve must be quantified clearly in your report. You could look at newer sources of energy or novel energy conversion technology. You could also explore making current processes more efficient. The solution should not only address the community's current unmet needs but also improve the quality of life beyond what it currently is. You should test and validate your solution or concept. In addition, you are expected to provide a plan for spending up to Rs 20,000 for further testing and validation. This is a challenge India and all countries in the world see as critical today, and this is your chance to take it up! The links on this page can provide you useful information. You are, of course, encouraged and expected to go beyond and innovate on your own.

The Techno Entrepreneurial Promotion Program (TEPP) wing of the Dept. of Scientific and Industrial Research (DSIR), Govt. of India will recognize the 20 finalists of the GE EDison Challenge 2009 with seed money of Rs. 20,000 for "Proof of concept" .

Launch 29 June 2009; Last date for entries 31st August 2009

Announcement of Top 20 15th Sept. 2009

Finals at JFWTC 5th and 6th November 2009.

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My Experiment with Innovation to Market

During middle of 2004 author Dr. C.B. Vijaya Vittala decided that experiment is needed to understand the entire process of the innovation to market (I₂M) so that one can learn to support many in future with increased success rate. The experiment will involve innovator and any failure will affect the innovators life very much. Under such circumstances selection of innovator must be very important and innovator must be able to cooperate during the entire period and follow all process as required by the business. Hunt for the innovator started.

To read more please click the link

http://www.knowledgebiz.org/downloads/I_2_M.pdf

The Remarkable Story of Kafgon

KAFGON -an innovative herbal medicine for treatment of asthma, cough and cystic fibrosis, has been developed by a herbal medicine practitioner based in Jalandhar, Panjab. The story of KAFGON started in the year 2006, when an old lady, Mrs.Raj Katyal entered the gates of National Institute of Pharmaceutical Education and Research (NIPER).

To read more please click the link

<http://www.knowledgebiz.org/downloads/kafgon.pdf>

New TUC-TBI at University of Madras

After working for a year as Network partner, Technology Business Incubator (TBI) at University of Madras (UOM) is accredited a TePP Outreach Centre (TUC). The new TUC starts with innovator base of over ten with another 10 in pipeline.

Dr. G. Gangi Reddy, Managing Director
Email: tbi_unom@yahoo.com

4th Asia Pacific Conference on Business

Incubation (APIN) will be organized during the period August 6-7, 2009 at Coimbatore, India on the theme **Global Recession - An Opportunity for Business Incubation?** Please refer to the website www.incubationasia.com for details on APIN.

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