



NATIONAL CONFERENCE ON SOCIAL INNOVATION

17th NOVEMBER 2017



URBAN
INNOVATION



RURAL
INNOVATION



TRIBAL
INNOVATION

NCSI REPORT 2017



NATIONAL CONFERENCE ON SOCIAL INNOVATION

17th November, 2017



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Message from the President and the Vice President

Dear Friends,

It gives us great pleasure to put before you the report of the 5th Edition of the National Conference on Social Innovation. The conference is an annual celebration of the spirit of innovation used to further the cause of solving social problems.

The conference eponymously has innovated and evolved to its present day form over the last five years. Prof. Anil Gupta played a crucial role in conceiving it and it began as the congregation of social innovation stalwarts like Dr. DR Mehta (of Jaipur Foot) and Dr. Devi Shetty (of Narayan Hrudalaya) and deliberating on the cause of social innovation. And without losing the essence of any of those deliberations, it has now become the festival that sees social innovators present their ideas to a group of audience comprising Corporate Social Responsibility Departments, Impact Investors, Incubators / Accelerators, Government, Media, Academia and young students.

We are very pleased to share that every year we are getting more and more innovators and stakeholders in the social innovation ecosystem become a part of this journey.

This year, Honourable Minister, Mr. Prakash Javadekar, Minister for Human Resources and Development, Government of India, was the chief guest for the program and took keen interest in the innovations and espoused their value as the crucial piece to fulfil the country's developmental agenda. At the heart of the conference were 18 innovators who presented in 3 categories of Tribal, Rural and Urban to 40+ organisations including CSRs, Impact Investors, Incubators / Accelerators. We also had the privilege of having Ms. Jyotsna Sitling, Joint Secretary, Ministry of Skill Development and Entrepreneurship who leads the ministry's effort in social enterprises.

Further, we are happy to announce that an Advisory Council has agreed to advise Pune International Centre on its forays in Social Innovations and Enterprise space. The council comprises people who have been at the forefront of the social innovation movement and includes:

- Ms. Meher Pudumjee: Chairperson, Thermax Limited
- Mr. R Venkatraman: Managing Trustee, Tata Trusts
- Prof. Anil Gupta:
 - o Founder, Honey Bee Network
 - o Vice-Chairman, National Innovation Foundation
- Mr. Luis Miranda:
 - o Managing Trustee, Collective Good Foundation
 - o Chairman, Centre for Civil Society
 - o Chairman, CORO
- Mr. Satish Pradhan:
 - o Member, Governing Council, and Adjunct Faculty, Tata Institute of Social Sciences,
 - o Member, Governing Council, Bombay Natural History Society
 - o Board Member, NPCIL
- Dr. V Premnath
 - o Founder Director, Venture Centre
 - o Head, NCL Innovations



- Mr. Prashant Girbane
 - o Member Secretary, Advisory Panel

The centre is also initiating a Support Program for Social Entrepreneurs where they will get access to a seasoned veteran as a mentor as well as legal and financial counselling, all free to the innovators, for a period of 6 months. During this period, the mentors would help taking the organisation scale up in their organisational journey.

The social innovation team is also engaging with the government through Ms. Sitling's department and is working on developing and evolving the social enterprise policy. We are glad to report that we have already conducted 2 rounds of interactions with more than 25+ leading stakeholders in social enterprise space all over India and are looking to convert those deliberations into a policy note to be submitted to the government.

The Social Innovation Program, of which National Conference on Social Innovation (NCSI) is a part, is one of the pillars of our work at Pune International Centre. The centre has invested in the Social Innovation Unit and they have made significant progress that I will leave to the director to elaborate. Now, with your support, guidance, and trust, we further look to consolidate the gains and develop a deeper and wider engagement in the evolution of social innovations and entrepreneurship.

With Warm Regards,

RA Mashelkar (Padma Vibhushan) , F.R.S., President, PIC

Vijay Kelkar, (Padma Vibhushan), F.N.A.E., Vice President, PIC



Overview from the Director

Dear Friends,

It is my honour and privilege to take you through this year's journey of Social Innovations team at Pune International Centre and update you on the 5th edition of National Conference on Social Innovation (NCSI) held on 17-November-17 this year.

A big gap for social entrepreneurs has been the access to role-models and being able to learn about the nuances of scaling-up social enterprises. To that end, the team started a lecture series called Social Innovation Forum lecture that aims to bridge this gap in the space of scaling-up know-how for social enterprises. The inaugural talk was given by Mr. Anshu Gupta of Goonj, who was followed by fellow-Magsasay award winner Ms. Nileema Mishra for the second talk in the series, followed by Prof. Anil Gupta for the third talk.

The centre also hosted a Round-Table on Social Enterprise Policy that was moderated by Ms. Jyotsna Sitling, Joint Secretary, Ministry of Skill Development and Entrepreneurship and Prof. Anil Gupta. The Round Table saw the participation from 25+ stakeholders in the social enterprise ecosystem that ranged from social entrepreneurs, foundations, impact investors, academics, grant making organisations, incubators and accelerators.

On NCSI, this year, we started application scouting for NSCI earlier and reached far and wide all over the country through our direct efforts and the support of various organisations (a special word of thanks to Venture Centre, BAIF, our partner organisation in NCSI – TISS and NIF). We got 100s of applications of various innovators and each of these applications was categorised under the Tribal, Urban, and Rural category. All applications were subject to two rounds of screenings and on the basis of this quantitative screening, 30 applications were shortlisted.

All the shortlisted applications were then sent to an Evaluation Committee that comprised of

- Mr. Pradeep Bhargava, Director, Cummins India
- Mr. Satish Pradhan, Member, Governing Councils at TISS and BNHS, Director, NPCIL
- Mr. Pradeep Lokhande, Entrepreneur and Founder Rural Relations
- Dr. Vipin Kumar, Director, National Innovation Foundation
- Commodore Anand Khandekar (Retd), ex-Navy, served on several boards, mentor
- Mr. Sanjay Kanvinde, Angel investor, social entrepreneur, and mentor
- Ms. Kishori Gadre, ex-Maharashtra Government, Researcher, Social Scientist

This committee gave us the final shortlist of 18 innovators who eventually presented their innovations to an audience comprised of 40+ CSR, Impact Investors, Incubators and Accelerators. These innovators then presented in their respective panels: Tribal, Rural, and Urban. Each of the panel was made special and engaging by the lively and wise insights of the panel chairperson. It was Mr. Satish Pradhan on the Tribal panel, Mr. Pradeep Lokhande on the Rural panel, and Dr. Vipin Kumar on the Urban panel.

We got the trust and confidence of 40+ CSR representatives, Impact Investors, Accelerators and Incubators who spent the day with us and gave valuable feedback. Some of them have already started to engage with the innovators. The full list of the corporates present at the conference is available as part of the annexures and I want to thank the corporates who came again this year as well as those who first the time.



The team at NCSI also arranged for an invigorating Day 2 for the selected innovators that saw several sessions of interest for innovators take place.

- Mr. Vinayak Kelkar, Head of CSR at Praj Industries, took a wonderful session on leveraging CSR support for social enterprises.
- Advocate Manoj Wadekar, of Manoj Wadekar and Associates, took session on legal and financial compliances for the innovators.
- Mr. Tushar Garg, from National Innovation Foundation, gave an update on the social enterprise ecosystem and how innovators can benefit from incubators, accelerators and government schemes

Finally, the PIC Support Program mentioned by Dr. Kelkar was kickstarted with the support of four PIC members who have kindly volunteered to be the mentors. They include:

- Mr. Pramod Athalye, Engineer and Management Consultant with 25+ years of experience
- Mr. Sanjay Kanvinde, Technology expert with more than 2 decades of global experience
- Mr. Gireendra Kasmalkar, Technology entrepreneur and now a technology investor also
- Dr. Sharyau Bhakare, Professor at Symbiosis College

A total of 13 innovators out of 18 have opted for this program and the mentorship program has already gone live 3 initial discussions already completed.

My note would not be complete without special thanks to our partner institutes on NCSI - National Innovation Foundation (NIF) and Tata Institute of Social Sciences (TISS) - who were instrumental and a source of help and support at all stages of the program. Also, I would like to thank our partners for the Social Innovation Forum series – Venture Centre, Science and Technology Park, Bhau Institute at College of Engineering, Janwani, and Maharashtra Chamber of Commerce and Industries & Agriculture (MCCIA).

The media has been a force multiplier and extremely generous in its coverage and support of various programs. A big thank you to them as well as a brief representation of the press coverage this year.

The centre now has a dedicated team led by Mr. Hitendra Singh to drive the efforts on social innovation at Pune International Centre. Hitendra comes with 15+ years of experience in Fund Management and Financial Services in London, Dubai and Mumbai post his MBA from IIM-Ahmedabad. He is joined by Mithila, who is an Engineer and a certified Corporate Social Responsibility (CSR) resource and Rohan, who is also an Engineer and a graduate in government and politics course. The team is working to make the moments of NCSI into a social enterprise movement. We are happy to share some elements of our progress this year and look to do even more work with your support and love.

Warm Regards,

Prashant Girbane

Director (Hon.), PIC



PROFILE OF INNOVATORS





URBAN INNOVATORS



Name of Innovator: **Dr. Pawan Mehrotra**
 Organization: **Translational Health Science and Technology**

Location: Faridabad, Haryana

Email id: pawan.paterson@gmail.com

Problem

Breast cancer has seen an increase globally, and about 10% of Breast cancer patients are said to reside in India. Patient's rehabilitation needs post Mastectomy is not met in several parts of the world, especially where women consult a doctor when they are in their 3rd or 4th stage of the cancer. This inspired Dr. Pawan Mehrotra to create

a single holistic device and platform which would deliver the prosthetic needs of breast cancer patients to them post mastectomy. No significant attempt has been made to manufacture affordable silicone breast prosthesis in India and other developing countries till date. Imported ones cater to a small percentage of population, due to their high costs and no after sales support. There is also no effective system to address the training of paramedics and the need for rehabilitation.

Solution

After completing a Ph. D. in Cancer Sciences, Dr. Pawan Mehrotra quit his job in NCBS Bangalore in 2014 in pursuit of developing a device that can help breast cancer patients. This kit, called the 'Poorti Kit', will provide relief to breast cancer patients through breast prosthesis and associated accessories. An instructional video has also been created to assist the patients in using the product. Dr. Mehrotra's long term aim is to make sure that this kit can be used universally post mastectomy by patients in developing countries like India.

Financial Requirement

Yes

Scalability and Impact

At present, Dr. Mehrotra has been able to file a patent for the manufacturing process of these kits which consists of the breast prosthesis and associated accessories. This kit has been validated across 30 cities in 14 states in India. Currently there is no such affordable and good quality product in the market. This is the first endeavour in the world to provide a post-mastectomy kit which provides a holistic solution to breast cancer survivors.

Awards and Recognition

- BIG grant from BIRAC, DBT- Government of India (funding)
- Innovation Award from Translational Health Science and Technology Institute, Faridabad (salary and infrastructure support)
- Padamshree Suri Innovation Award-IIT Delhi (recognition)
- Invited for numerous talks and workshops such as in Jaipur, Delhi, Pune (NCL-VC), Bhubaneswar, Chennai etc.





Name of Innovator: **Mr. Milind Sathe**

Organization: **Khula Aasmaan (Indiaart.com)**

Location: Bhosalenagar, Pune

Email id:

Problem

In a country like India, conventional ways of schooling and education has been a hindrance for the creativity of students. This system has not been able to address the creative and holistic development of children, even though many students have extremely high – potential thoughts, ideas and creativity.

Solution

Mr. Milind Sathe came up with an idea of creating a platform, where students from various regions can come together and showcase their creative talents free of cost. In October 2016, this resulted in the formation of 'Khula Aasmaan', a platform where students can submit their doodles, sketches, cartoons, paintings etc. via smartphones. The shortlisted designs go through one round of screening and the winners are awarded with a medal. These medal winning entries are exhibited at galleries, public spaces, and educational institutions throughout India. Khula Aasman also creates a dedicated webpage for each student and maintains it for 3 years. Besides this, Khula Aasmaan has been creating a video-bank of well-known people from various fields, which are free to access.

Financial Requirement

Self-funded

Scalability and Impact

Even before the launch of Khula Aasmaan, the types of activities that can be used for kids were being researched for many years. At present, Khula Aasmaan has been receiving entries from more than 300 locations across India. This includes urban centers as well as villages and small towns. It has partnered with various NGOs, Educational Institutions, and even the Corporates to spread the word about this platform. It is believed to reach about 1500 locations in the coming 3 years. Mr. Sathe sincerely believes that Khula Aasmaan will help to discover some great hidden artistic talents and create an atmosphere that can create a generation of independent thinkers.

Awards and Recognition

N.A



Name of Innovator: **Dr. Pavan Kohli**
 Organization: **Samiidha Bhavani**
 Location: Shivajinagar, Pune
 Email id: drpavankumarkohli@gmail.com

Problem

Safety and empowerment of women has been a topic that has been under focus in recent years. Making women and senior citizens self-sufficient in terms of safety has been stressed upon in recent repeatedly. Especially after the Nirbhaya incident in Delhi, the level of anxiety about this issue has risen and women and senior-citizens would like to feel safer and empowered, as opposed to helpless. Currently there are no comprehensive, legal & easy to use self-defense kits for this target group.

Solution

Dr. Pavan Kohli, an orthopedic surgeon by profession, came up with the idea of empowering women and senior citizens, by manufacturing a device called 'Samiidha Bhavani', a legal and comprehensive device that combines electronic, electrical, chemical, mechanical and telecommunications engineering. The key features of the device are the distress signal button, a siren and torch, pepper spray, stun gun with non-lethal shock, a samurai baton weapon. After 3 years of rigorous work, the 'Bhavani' was unveiled in Delhi in 2015 by Nirbhaya's parents.

Financial Requirement

Not Specified

Scalability and Impact

At present, the prototype of Bhavani is ready and the patent application and trademark are already in place. At the moment, he is looking for a grant to take this product into national and international markets. The press and public have shown great response to this device as Bhavani has received more than a hundred thousand hits on the internet. The production process and forming teams of trainers, who would train women and senior citizens on how to use the device would be achieved within a year.

Awards and Recognition

- The innovator has been interviewed by many national and international radio and television channels including the 'Wall Street' journal.
- The innovator has achieved recognition by National Innovation Foundation of India, and has been able to exhibit Samiidha Bhavani at the exhibition held by the National Council of Medical Research at the President House, New Delhi.



Name of Innovator: **Mr. Harsh Songra**

Organization: **We, included**

Location: Saket Nagar, Bhopal

Email id: harsh@mychildapp.in

Problem

1 out of every 5 children is believed to suffer from one of the developmental disorders. It is often the case that parents cannot detect the nature of the disorder for many years and only a small number of such cases are able to get diagnosed and then treated as required. Mr. Harsh Songra himself, went undiagnosed from a disorder named 'dyspraxia' until the age of 9.

Solution

At the age of 19, Mr. Harsh Songra decided to develop an app which would help the parents detect any developmental disorder in their children at an early stage. 'My Child App' is an android app, which uses artificial intelligence to track a child's growth and inform their parents if there are any delays in their child's growth and development. He has also created a platform to spread the awareness of developmental disorders, called 'We Included'. This platform has been bringing together parents and helping them understand the world of differently-abled community, mental health and healthcare through data, stories, and information.

Financial Requirement

Yes

Scalability and Impact

At present, this app is being used in more than 140 countries with more than 14,000 downloads. Mr. Songra is planning to add more qualitative content and build relations with healthcare brands to grow the app and increase its activities on social media.

Awards and Recognition

- Forbes 30 under 30 Asia 2017.
- Forbes 30 under 30 India 2016.
- Mentioned by Sheryl Sandberg in 2016.
- TedXGateway 2015 speaker and TedXJaipur 2017 speaker.





Name of Innovator: **Mr. Amit Godse**

Organization: **Bee Basket**

Location: Warje, Pune

Email id: contact@beebasket.in

Problem

Bees play one of the most important roles in our ecology, and that is to facilitate pollination. They contribute to about 73% pollination in the world, and help to sustain the ecology and biodiversity. Bee hives located in urban buildings and localities, are taken down and the bees are killed instantly with the help of pest control methods. The killing of bees has a direct negative impact on the ecology which needs to be stopped for the ecology to sustain.

Solution

Rescuing bees from the urban areas and relocating them safely in nature was the idea behind the 'Bee Basket'. The main rationale behind relocating bees is to ensure their safety and sustain the economy.

Financial Requirement

Not specified

Scalability and Impact

In 2015, Mr. Amit Godse started to rescue bee hives in Pune, and has successfully saved more than 630 bee hives. This initiative received a great response from many cities such as Kolkata, Mumbai, Bangalore, Delhi etc. With the help funding, 'Bee Basket' is trying to reach as many cities as possible, nationally.

Awards and Recognition

- Many media houses had featured the work done by 'Bee Basket' as it is a unique initiative towards ensuring the safety of bees, and it has helped them to spread their message across masses.





Name of Innovator: **Ms. Ruchi Mathur**

Organization: **Pune City Connect**

Location: Aundh, Pune

Contact No: 09637065650

Email id: ruchim@punecityconnect.org

Problem

When social agents and stakeholders work in isolation, it is often observed that the change that takes place in society is incremental and not transformational. Many government bodies work independently, while their main focus is always on the social development. There is no active platform for the government bodies, NGOs, and volunteers from the citizens of the city to come together and tackle the issues while working together.

Solution

To bring together the various forces of Pune which have been operating for social development, 'Pune City Connect' was formed in 2011. Pune Municipal Corporation (PMC), Corporates, NGOs, and Volunteers came together in this one of a kind Public-Private Partnership, to achieve the common goal. It provides a model for social change, operating at the city level which works in close partnership with the local government. This formal, program-managed platform has been working on topics such as Livelihood, Education, Digital Literacy, and Government Space.

Financial Requirement

Funded

Scalability and Impact

Currently, 'Pune City Connect' has been working on 3 developmental tracks which are: Quality of Education, Digital Literacy, and Sustainable Livelihood. These programs have been focused on the development of the masses on a grass root level, and the quality of the work that is being produced. Taken together, these programs have the potential to enable the holistic development of the city, in the area of agency building, economic growth, and overall quality of life.

Awards and Recognition

- Funding has been received in the form of Corporate Social Responsibility funds.
- Significant investments have been made by PMC, in the 3 development tracks, mainly through investment in renovation and refurbishment of locations, provision of space, and changes in policy.
- In 2017, PMC won the prestigious SKOCH award for each of the 3 tracks.
- In 2017, the CEO Ruchi Mathur received a Social Impact award from Business Today, in the context of the Pune City Connect model and performance.



RURAL INNOVATORS



Name of Innovator: **Dr. Manoj Kumar Patel**

Organization: **CSIR- Central Scientific Instruments Organization**

Location: Chandigarh

Email id: gawade.ashish@gmail.com

Problem

Indian economy is still largely dependent on the agricultural sector. Use of the conventional and outdated methods of spraying pesticides on crops has resulted in having a negative impact on both the crops and human life. Often, the targeted plants and crops do not get full coverage through the outdated spraying techniques, and a lot of it drips off.

Off target spraying causes contamination to the operators and poses a threat to human health. Currently there are no manufacturers of electrostatic based spraying technologies in India that can address this problem.

Solution

To tackle this issue, research was initiated to design a sprayer with a capacity for high range spraying so that uniform deposition of the pesticide on all sides of the crops can be achieved using electrostatic force. CSIR-CSIO has been working in electrostatic spraying technologies for the past six years. A new air – assisted electrostatic nozzle has been designed and developed for small scale farms, which is light weight, highly efficient, reduces pesticide use and human life risk, and is eco – friendly. This product has been commercialized and is available in the market for use in India and other countries.

Financial Requirement

Not Specified

Scalability and Impact

The 'Electrostatic Sprayer for Agricultural Pesticides Spraying' has been commercialized and is available in the market. This device has a huge potential in the states of Andhra Pradesh, Maharashtra and Punjab as these states are the topmost pesticide consuming states in India. The implementation of this device will reduce the use of pesticides in India substantially.

Awards and Recognition

- Member of Advisory Board and Editor, Biostandups to promote the Women Empowerment in Science, Technology, Engineering and Mathematics (STEM).
- Appointed as Ambassador and Partner for Innovation Development by Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI).
- Gandhian Young Technological Innovation (GYTI) Award for 2016.
- SKOCH Smart Technology Award 2015, And many more.



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Name of Innovator: **Mr. Ashish Gawade**

Organization: **Jeevtronics Pvt. Ltd.**

Location: Karvenagar, Pune

Email id: gawade.ashish@gmail.com

Problem

India's death rate due to sudden cardiac arrest is about 660,000 annually, which is 3-4 times higher than that of developed countries. The availability of defibrillators is as low as 1 per 50 ICU beds, as compared to the United Kingdom where it is mandatory to have 1 defibrillator per 3 ICU beds. These available defibrillators consume electricity and they come at a high cost. Also, 99% of the Indian ambulances are not equipped with defibrillators. In rural areas where supply of electricity is inconsistent, defibrillators are very difficult to use.

Solution

Jeevtronics has developed the world's first hand-cranked defibrillator that works even in areas without reliable electricity, and costs about 1/4th of the existing devices. The main aim of Jeevtronics is to meet the global benchmark ratio of defibrillators to hospital beds and in the long run, to curb the death rate due to sudden heart attack. Since it costs 1/4th of the existing market products, this device can prove to be very helpful especially in the developing countries.

Financial Requirement

Not Specified

Scalability and Impact

At present, a fully functional and well tested prototype has been developed. This device will be commercially launched in January 2018. It is critical to get access to all countries, disaster relief agencies, and investors etc. to maximize its social impact.

Awards and Recognition

- Exhibited at the RashtrapatiBhavan "Festivals of Innovations" 2017.
- Selected for DBS50 Cohort 2017. Access to global mentors.
- Finalist (Top 6) at Social Venture Challenge Asia, September 2016.
- Runner up at Sankalp Global Summit, April 2016.
- Won the Indo-US Science and Technology Fund Grant, 2016.
- Won 2nd Prize at the Tata Social Enterprise Challenge at IIM-Calcutta, January 2016.
- Won 1st Prize at the lightning pitch competition at the International Knowledge Millennium Conference, November 2015.
- Won the BIG and IIPME from BIRAC, DBT, Gov. of India, January 2014 and March 2016.





Name of Innovator: **Dr. Rajendra Kharul**
 Organization: **Genrich Membranes Pvt. Ltd.**

Location: Pashan, Pune

Email id:

rk.kharul@genrichmembranes.com

Problem

In India, there are 34 million Chronic Obstructive Pulmonary Disease (COPD) and 27 million Asthma patients. A WHO report states that COPD is the third leading cause of death in the Base of Pyramid population. Approximately 3.4 million babies are born annually at premature stage in India. Oxygen Therapy (27-35% supplemental oxygen) is crucial for patients suffering from COPD or Asthma and also for pre-term babies with respiratory distress syndrome (RDS). Oxygen Cylinders are available in the urban areas, but transportation and logistics add to the cost for semi-urban and rural remote areas. Oxygen Therapy is considered to be a 'luxury', and is mostly available in big hospitals, which makes it difficult for BOP to afford the treatment.

Solution

Affordable Oxygen Cylinders should be made available to patients easily, and at an affordable rate. Indigenously developed HF-membrane based OEU enriches oxygen percentage, requires less energy and is cost effective as compared to the other established techniques. These small-sized units are handy, easily transportable, and are customized for single patient use. This would make oxygen therapy to the patients easily accessible and at an affordable price.

Financial Requirement

N.A.

Scalability and Impact

The Hollow-Fiber membrane technology was in-licensed from CSIR-National Chemical Laboratory and was demonstrated on laboratory scale. Currently, the 3rd generation OEU prototype is at an evaluation stage. Few prototypes have been installed at some of the hospitals in Pune and in public health areas of Palghar, Maharashtra. Validation of the prototype is planned at specialty hospitals located in different cities of India. The collected data and the feedback from doctors and patients will be analyzed, and will be used for the certification of OEU.

Awards and Recognition

- Finalists for TiECon in USA, April 2017.
- Participated in "Exhibition & Innovation in Medical Science and Biotechnology" at RashtrapatiBhavan, March 2017.
- One of the 6 award winners for Tech4Raj in other social impact sector segment, February 2017.
- Among Top 50 startups at Amrita TBI PitchFest 2017, January 2017. And many more.



Name of Innovator: **Dhanaj K. M.**

Organization: **BAIF**

Location: Pune

Email id: dhanajkris@baif.org

/ dhanajkris@gmail.com

Problem

India has around 5 million biogas units installed, but most of them are in a state of rejection due to the demotivated users. The core reason for farmer demotivation is an absence of incentive (in terms of revenue) from plants, drudgery involved, maintenance issues, and the smell and unhygienic surrounding from the coagulated slurry coming out of the biogas plant. The biogas plants are not utilized to their maximum potential and are in need of a revival.

Solution

In 2013, Mr. Dhanaj KM began working on a filter to tackle this issue by developing a filter. After 3 years of rigorous work, the BAIF Slurry Filter (BSF) was finalized, which is one of its kind for recovering solid contents and separating water from slurry in small scale biogas units, without using any external energy, but with Gravity and retention. The BSF directly addresses the two main concerns of biogas plants. One, it opens up the opportunity for additional revenue from Value Addition, and two, it systematically collects and filters slurry, making the surroundings hygienic and provides a solution to the 'bad smell'.

Financial Requirement

N.A

Scalability and Impact

The BSF has no close alternative as the other closest filters use either mechanical or electrical power for recovering solid contents from the biogas slurry and are more costly. The impact of BSF is huge at both ground level and policy level. It can play a huge role in women empowerment and financial security, as the business model of BSF invokes SHGs. Currently the main aim is to install the BSF in as many as 500,000 units by 2021.

Awards and Recognition

- Received offers for funding by SBI and GIZ.
- MOIL has shown interest to include the BSF under their CRS project.



Name of Innovator: **Ms. Kristin Kagetsu**
 Organization: **Saathi Eco Innovations Pvt. Ltd.**

Location: Ahmedabad

Email id: kristin@saathipads.com

Problem

Around 80% of women in India, do not have an access to sanitary pads. Most of the sanitary pads are non – biodegradable, which has emerged as a serious issue for the Environment.

Solution

Saathi is India's first biodegradable sanitary pad made from banana fibers and zero chemicals. They do all the sourcing and manufacturing locally, unlike the leading brands who use imported bleached wood pulp.

Financial Requirement

N.A

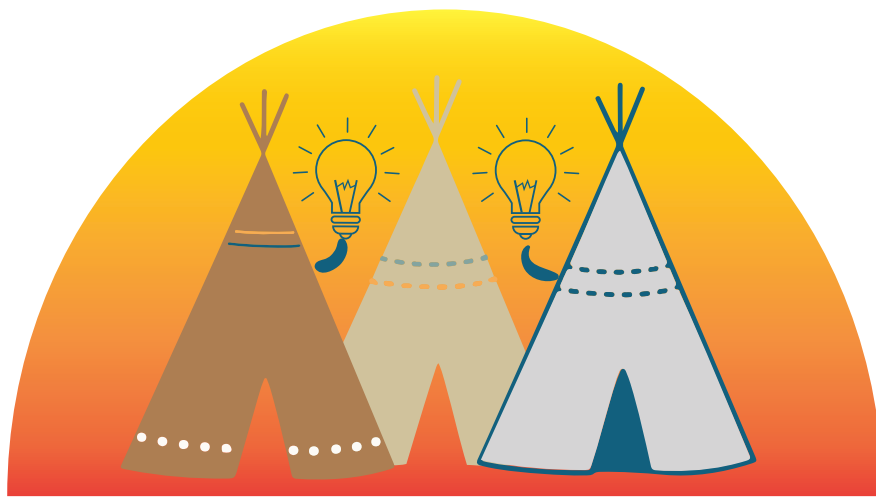
Scalability and Impact

Saathi positively impacts women, agriculture and the local economy. Locally sourcing banana tree fibers gives farmers additional income. The manufacturing process of these sanitary pads creates direct employment opportunities for women. At present, Saathi is serving around 200-300 customers a month, through their online store. In the coming months, they are planning to boost their manufacturing, to launch their product under a new, internationally tenable brand across India. In 2018, Saathi is planning to launch international sales.

Awards and Recognition

- Won Harvard Business School New Venture Competition, 2014.
- Won Vilgro Unconventional Idea Patch, 2015.
- (CEO) Kristin named Sankalp Entrepreneur, 2015.
- (CEO) Kristin named MIT DLabScaleUps Fellow, 2015.
- Won Big BPlan Competition (Viridian Ventures), 2015.
- (CEO) Kristin as a speaker at TedxDAILCT, 2015.
- (CEO) Kristin got selected in Asia21 Young Leader, 2015.
- 3M Young Innovators Challenge Winner, 2016.
- Asia21 Action Lab Grant Winner, 2016.
- Edie Awards Finalists, 2017.
- SXSW Awards Finalists, 2017.
- Asia21 Action Lab Grand Winner, 2017.
- Circular Board Pitch for a Purpose Winner, 2017.





TRIBAL INNOVATORS



Name of Innovator: **Dr. Shivraj Dasari**
 Organization: **S.L.S. Cell Cure Technologies Pvt. Ltd.**

Location: Secundarabad, Telangana
 Email id: shivraj23@yahoo.com

Problem

Dealing with Dengue, Malaria, Chikungunya, plasmodium and fungal viruses has become a big challenge for us today, as the number of cases of people suffering from these diseases has increased in recent years. Current methods of detecting these viruses such as RDT, ELISA, and Microscopy require high end labs with highly skilled and trained manpower, making it difficult for the lower income groups to access the facilities.

Solution

To accomplish the accurate detection of infectious diseases like Dengue, Malaria, Chikunguniya etc. an innovation consisting of Nucleic Acid Amplification Technology (NAAT) based Loop Meditated Isothermal Amplification (LAMP), Point of Care (PoC) Panels was created. This innovation can detect viruses at a very low cost, and hence, can improve the access of healthcare to rural and tribal communities.

Financial Requirement

Not Specified

Scalability and Impact

After two years of research, the prototype for Dengue diagnosis up to sero-type level was accomplished. Currently, they have launched the first Dengue species specific panel – Densure (1-4) in August 2017 in the coastal districts of Andhra Pradesh and Telangana. The government of Telangana has offered them 6 acres of land near Hyderabad, where they are planning to start their own Molecular Diagnostics Kits manufacturing unit and scale up their capacities to reach ASEAN countries and Africa. Being a platform technology, it can also be used in Agriculture, Veterinary, Poultry, and Aquaculture or during any epidemic of infectious diseases.

Awards and Recognition

- * Received Villgro cash prize for Best Innovation, 2016.
- * Best Innovation Award by Govt. of Andhra Pradesh at Tirupathi, 2016.



Name of Innovator: **Prof. Prakash Joshi**

Organization: **N.A.**

Location: Karve Road, Pune

Email id: pbj60@yahoo.co.in

Problem

In most rural and tribal pockets of India, it is difficult for communities to get their hands on the infrastructure required to build toilets. To add to that, the lack of access to toilets built through government schemes in rural and tribal areas of India is a known social evil and many agencies have also worked on this, but the toilets remain unused due to lack of water supply and/or other issues.

Solution

Prof. Prakash Joshi conceptualized and designed the 'Bio-toilet', which is manufactured in FRP therefore keeping it rust free. This Bio-toilet comes with a capacity of 200 litres which can serve about 15 people, whereas other designs which are available with a capacity of 300 litres but they serve only 5 people. This Bio-toilet can be useful in Village Schools, Remote Areas, Fares, and Construction Sites.

Financial Requirement

Yes

Scalability and Impact

At present, one unit has been manufactured which is working well for the past three months. The patterns and moulds are kept ready so that 5 pieces a week can be manufactured.

Awards and Recognition

N.A



Name of Innovator: **Mr. Adharsh Krishnan KV**

Organization: **BAIF Development Research Foundation**

Location: N.A

Email id: adarshkrishnancivil@gmail.com

Problem

IFarmers often face the challenge of guarding their cultivations from wild animals through the use of fencing instruments with high electrical voltages. Traditionally, household electricity supply or solar energy is used for fencing instruments which have their own hindrances. Solar panels are quite expensive and require tedious maintenance which can be a little overwhelming for farmers. But it is essential to avoid the man-animal conflict while protecting human harvests.

Solution

To protect the harvest from animals and to reduce the man-animal conflict, Mr. Krishnan has devised a fence with an inverter-transformer circuit which includes a buzzer kit (siren kit) in tandem with a relay circuit for standby battery. The voltage output fluctuates from 12-15 V with frequency of 20,000 Hz, which can deliver a shock but won't cause severe harm. This instrument is rather contrary to the 230/110V 50Hz regular outputs which can be fatal to humans or animals that come in contact with it. This designed unit can cover up to 3.5 acres of land.

Financial Requirement

N.A

Scalability and Impact

The instrument is designed to work from 6 p.m. to 6 a.m. as most of the animal intrusions occur only after dark. This setting can be changed as per the farmer's requirement. A test was conducted with 1 unit covering 1,000 Sq. M. at a farm which was considered as the most attack prone zone in the region. 1 full cycle has been completed successfully where the potential attacks on the farms were prevented. They are planning to scale up pilot testing with installation of minimum 100 units across 10 villages to check the efficiency in various conditions and altitudes and will focus on scope for improvement.

Awards and Recognition

N.A





Name of Innovator: **Mr. Anant Vats**
Organization: **Tribalsmart Technologies Pvt. Ltd.**

Location: Vansda, Gujarat
Email id: contact@makeinvillage.net

Problem

Artisans from rural areas make art that is sold in various regions across states and sometimes even countries. Their fine craftsmanship and beauty makes these products very popular and lucrative. These artisans often require sanding and hole drilling machines, which are quite expensive and require a lot of maintenance. It becomes difficult for the people to make their art at a low cost.

Solution

A sanding and hole drilling machine were made for tribal artisans which costs about 1/10th of the machines available in the current market for the same purpose. Another important thing to note about these machines is that they are made with locally available parts. BAIF is incubating this endeavor and training is also being provided to villagers on how the machine can be used for their art work.

Financial Requirement

Yes

Scalability and Impact

At present, 36 such machines are running in the village of Ambapada. These machines have been running for about a year now, and it is observed that people are completely able to take care of its service and maintenance. BAIF wants to test their reliability and other technical issues before scaling up.

Awards and Recognition

N.A





Name of Innovator: **Ms. Niharikaa N**

Organization: **BAIF**

Location: Bangalore

Email id: niha.naresh@gmail.com

Problem

Reading as an activity and a skill is a non-negotiable aspect of one's learning process. While urban kids face declined interest in reading due to digital distractions, rural and tribal kids still don't have access to good libraries.

Solution

Ms. Niharikaa began her work by incepting a library in a small village of Jawahar, situated in Palghar, Maharashtra, which inculcates the joy of reading in children through various creative mediums, and implements a student run library. This library is based on principles of tribal democracy, which helps to students from various age groups express themselves freely.

Financial Requirement

Unspecified

Scalability and Impact

This platform is run by 6th and 7th class students. This platform was launched in one school with about 80 students. As the concept of library is based on democracy, it can be easily run by the students. The design of the library is space friendly and hence, can be managed by the students. This idea can be implemented in various tribal and rural schools to make reading books interesting.

Awards and Recognition

N.A





Name of Innovator: **Mr. Rajeev Ranadive**
 Organization: **Pixy Electric Cars Pvt. Ltd.**
 Location: Aundh, Pune
 Email id:
 rajeev.randive@automotive-robotics.com

Problem

Tribal people heavily depend on Wildlife Tourism as a sustainable source of income. Wildlife Safaris, being an integral part of this activity, use a large number of 4*4 vehicles which run on conventional engines. There are an estimated 50,000 vehicles in over 450 sanctuaries in India. These vehicles are responsible for heavy pollution in the most eco-sensitive region which is threatening to the survival of such forests. In addition to this, the fuel consumption of tourist vehicles is as high as Rs.1500 a day, which leaves tribal people with low earnings.

Solution

Pixy Electric Cars has therefore developed an 'Electric Conversion Kit' which replaces the engines of the regular 4*4 cars that are currently being used for Safaris. This conversion can be carried out in the forest itself by using simple hand tools. The kit can save fuel costs, as the cost of recharging the battery is about Rs. 75 per day. The converted system is well capable of withstanding mud splash, harsh environments and propelling the vehicle over difficult terrain.

Financial Requirement

Yes

Scalability and Impact

At present, the "Production Impact Prototype" has been developed. Permission to deploy vehicles in the forests has been given by the respected forest authorities. The aim is to produce 100 conversion kits a month, and ramp it to 1000 kits per month in the first year. After reaching this level of production, Mr. Ranadive plans to increase the capacity, and include more applications to the technology. Using this product will help the Base of Pyramid (BoP) population financially and also reduce the pollution in eco-sensitive locations.

Awards and Recognition

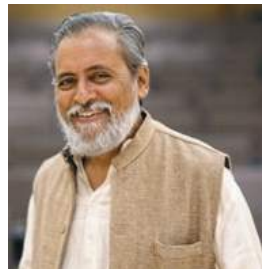
- CII Manufacturing Innovation – Jury Finalist



Annexure

Advisory Panel

We are happy to receive the guidance, advice and trust of some of the leading pillars of the social innovation movement in India.



Prof. Anil K Gupta conceived the first two sessions of National Conference on Social Innovation. He is now a Visiting Faculty at IIM-Ahmedabad and a Distinguished Visiting Faculty at IIT-Bombay. Prior to that he was professor at Indian Institute of Management, Ahmedabad. He is also the founder of Honey Bee Network. Besides, He is the Vice-chairman of National Innovation Foundation and a fellow of the world academy of Art and Science. He was awarded Padma Shri in the year 2004.

Reference:

<http://iima.ac.in/~anilg/>

<https://www.linkedin.com/in/anil-gupta-2a861b2/>



R Venkataramanan (Venkat) is the Managing Trustee of the Sir Dorabji Tata Trust and is responsible for management and oversight of all the Tata Trusts.

He has over 20 years business and operations experience in the areas of finance, business support and strategy. Prior to his association with Mr Tata, Venkat was Head of Business Support at the Qatar Foundation, a non-profit based in Doha.

Reference: <http://www.tatatrusts.org/article/inside/R-Venkataramanan>



Ms. Meher Pudumjee is the Chairperson of Thermax Ltd. since October 2004. Ms. Pudumjee represented India at the Asian Business Women's Conference in Osaka in 2006. The World Economic Forum in 2008 selected her as a Young Global Leader for her professional accomplishment, commitment to society and potential to contribute to shaping the future of the world. She was selected CEO of the Year, 2009 by Business Standard.

Ms. Pudumjee served as the Chairperson of Pune Zonal Council of the Confederation of Indian Industry (CII).

Reference: <http://www.thermaxglobal.com/about-us/thermax-board-of-directors/#myCarousel1>



Luis Miranda is the Managing Trustee of the Collective Good Foundation. He is the Chairman Centre for Civil Society and CORO.

He has been involved in setting up two successful companies – HDFC Bank and IDFC Private Equity. He was earlier a partner at ChrysCapital and has worked at HSBC, Citibank, KPMG and Price Waterhouse. He is a member of the Global Advisory Board of Chicago Booth. Luis advises and supports many not-for-profit organisations in India, using his networks to help these organisations.

Reference: <http://www.samhita.org/luis-miranda/>

<https://www.linkedin.com/in/luis-miranda-98b33443/>



Satish Pradhan is currently an Independent Director at NPCI. He retired as Advisor, Tata Sons Limited in 2015. He was the Chief of Group Human Resources at Tata Sons from April 2001 to May 2013. Prior to joining the Tata Group in 2001, he was with ICI Plc in London at their Head Office leading the Organisation Design & Development function.

He has also been on the Governing Council of the Tata Institute of Social Sciences (TISS) from 2002, and is Adjunct Faculty.

Reference: <https://www.npci.org.in/node/451>

<https://www.linkedin.com/in/satish-pradhan-83661754/>



Dr V Premnath is currently the Head, NCL Innovations and is the founder director of Venture Center - a technology business incubator on NCL campus. Dr Premnath is also a Scientist in the Complex Fluids and Polymer Engineering Group at NCL. He holds a Ph.D. from the Massachusetts Institute of Technology, USA.

Reference: <http://www.bioincubator.venturecenter.co.in/pdf/Dr.V.Premnath.pdf>



Mr. Prashant Girbane is Hon. Director and Trustee of Pune International Centre. He has 15+ years of experience. He has worked with multilateral agencies like United Nations Organisations, advised Commonwealth Secretariat. He has also worked with TATA Consultancy Services based out of London, UK with global responsibility. He is an MBA from IIM Ahmedabad. He is also the Member Secretary of this advisory panel.

Media Coverage

We are thankful to media who provided coverage both before and after the event. The press continues to carry the stories of individuals

Pune celebrates social innovations

CREATIVITY AT WORK 18 innovators presented unique ideas at the fifth National Conference on Social Innovation

Jai Dharwadkar
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PUNE: The fifth National Conference on Social Innovation saw 18 innovators presenting 18 unique and innovative ideas on the first day of the conference, with each innovation aiming to bring a positive impact and enhance the convenience and affordability of the end user. The two-day conference is being held at Yashada in Baner from 10 am onwards.

The fifth edition of the National Conference on Social Innovation (NCSI), hosted by Pune International Centre (PIC), was inaugurated on Friday by human resource and development (HRD) minister Prakash Javadekar.

Present on the occasion were eminent scientist Raghunath Mashelkar, president of PIC, Vijay Kelkar, renowned economist and vice-president of PIC, and Jayant Umranikar, chairman of International Longevity Centre, India (ILCI), among others. Speaking on the occasion, Javadekar said, "The government aims to create an environment to boost innovation. Presently, we are lacking in innovation and efforts are being made to encourage it in all sectors."

As part of the conference, the seventh Anjali Mashelkar Inclusive Innovation Award (AIMIA) was presented to Dr Navin Khanna for his affordable and effective dengue test kit. Dr Khanna's affordable 'Dengue Day 1 test' kit can detect dengue fever within 15 minutes from day one itself. It can differentiate between primary and secondary dengue virus infections, which is vital for the clinical management of dengue infected patients.

This unique kit can also detect the presence of the virus in a mosquito. The kit is now a market leader in India and has captured more than 80 per cent of the market share, with all southern states in India purchasing the kits in bulk, under the government of India rate contract. More than six million tests were sold in 2016 alone. This test kit is now being exported to other countries too. Javadekar appreciated the work done by Dr Navin Khanna and all the other innovators presenting their ideas. He presented certificates and felicitated all innovators sharing their unique innovations at the conference.

After receiving the award, Dr Khanna said that in 26 years, this is the first time that someone has recognised his contribution which is very encouraging. Sharing his views, Dr Raghunath Mashelkar said, "Social innovation has to lead to inclusion. Hence, connecting the urban and the rural through innovation is very important. Innovation in all sectors is the need of the hour. Today India is leading in dengue deaths. Considering this, Dr Khanna's affordable 'Dengue Day 1 test' kit is a very important innovation."

Driven by creativity, science and social cause

The unique ideas presented at the conference aimed at bringing a positive impact and enhancing the convenience and affordability of the end user



■ The world's first hand-cranked defibrillator, developed by Pune-based Ashish Gawade of Jeevtronics, on display at the 5th National Conference of Social Innovations hosted by Pune International Centre (PIC) at Yashada in Baner on Friday.
HT PHOTO

URBAN THEMED INNOVATIONS

1 POORTI KIT
Pavan Mehrotra (PHD in cancer sciences) from Faridabad, Haryana
From Transitional Health Science and Technology provides relief to breast cancer patients through breast prosthetics and associated accessories.

2 KHULA AASMAAN
Milind Vishwas Sathar
A platform, that began in October 2016, where students from various regions can come together and showcase their creative talents free of cost. It encourages, enhances and exhibits artistic talent of children and young adults by facilitating contact, collaboration and competition.

3 SAMIDHA BHAWANI
Dr Pavan Kohli, an orthopaedic surgeon
A legal and comprehensive device that combines electronic, electrical, chemical, mechanical and telecommunication engineering. The key feature of the device is the distress signal button, worn and touch, pepper spray stun gun with non-lethal shock and samara baton weapon. Bhawani was unveiled in Delhi in 2015.

4 MY CHILD
Harsh Songra, who suffered from a Dyspraxia (physical disability) for nine years
An android app which uses artificial intelligence to track a child's growth and inform their parents of any delays in their growth and development. This app was launched in 2015. Songra launched 'Vie' included in February this year, a platform to spread awareness of developmental disorders.

5 DRILLING MACHINE, BAMBOO PEN
Anant Vats (Tribhuvan Technological)
Developed a sanding and hole drilling machine and a bamboo pen.



6 BEE BASKET
Amit Godse
An organisation that rescues bees from urban areas and relocates them safely in nature, with the idea of pollination and help sustain ecology and biodiversity. Godse began this initiative in 2015 after leaving his software engineering job.

7 PUNE CITY CONNECT
Ruchi Mathur, CEO of Pune City Connect
An organisation that brings together the various forces of Pune which have been operating for social development. This organisation was formed in 2011 and works on three developmental tracks viz quality of education, digital literacy and sustainable livelihood.

8 ELECTRIC CONVERSION KIT
Rajeev Ranadive (Pony Electric, Calif)
Pony Electric Cars has developed an 'Electric Conversion Kit' which replaces the engines of the regular cars that are currently being used for wild life safaris.

RURAL THEMED INNOVATIONS

1 AIR-ASSISTED ELECTROSTATIC SPRAYER
Dr Manoj Kumar Patel (CSIR Chandigarh)
The device uses electrostatic force field in its design and aims to increase the mass transfer efficiency, pesticide bio-efficacy, uniform deposition, maximum canopy coverage and liquid pest on the crops.

2 JEEVTRONICS
Ashish Gawade
First hand cranked defibrillator which works without electricity and costs 1/10th of the existing devices in the market. Defibrillators are used to prevent cardiac arrests.

3 HOLLOW FIBRE MEMBRANES
Dr Rajendra Khurdi, Gench Membranes
These membranes for asthma patients and pre-term babies with respiratory problems, works on making oxygen therapy affordable and accessible to patients from all socio-economic groups.

4 BAIF SLURRY FILTER (BSF)
Dhanraj KM
It is a one of its kind filter for recovering solid contents and separating water from slurry in small scale biogas units with gravity and retention without using any external energy.

5 SAATHI PADS
Kristen Kapote
India's first biodegradable sanitary pad made from banana fibres and zero chemicals.

6 BIO-DONAUT
Dr K Balakrishnan
Dr Balakrishnan created a cartridge, made out of processed fungal mat grown on select solid waste material from agro industries, which can be used as an exhaust guard to two or three-wheelers to reduce pollution.

they say

» The government aims to create an environment to boost innovation. Presently, we are lacking in innovation and efforts are being made to encourage it in all sectors.

PRAKASH JAVADEKAR, HRD Minister

» Students to never leave a problem unsolved. Innovators must be invited to interact with students and share their experiences.

ANIL GUPTA, Founder, Honey Bee Network

» Social innovation has to lead to inclusion. Hence, connecting the urban and the rural through innovation is very important. Innovation in all sectors is the need of the hour. Dr Khanna's affordable 'Dengue Day 1 test' kit is a very important innovation.

RAGHUNATH MASHELKAR, scientist

TODAY'S HIGHLIGHTS

The second day of the national conference will have sessions like CSR Resources for Social Enterprise by Vinayak Kelkar, Legal and Financial Aspects by advocate Manoj Wadkar and Social Enterprise Ecosystem in India by National Innovation Foundation by Mr Tushar Gang. It would be held at MCCIR from 12 am onwards.



NATIONAL CONFERENCE ON SOCIAL INNOVATION

NCSI 2017

PIC to support, guide social innovators



• (From left) Girendra Kasmalkar, Pramod Athalye, Sanjay Kavande, Sharayu Bhakare at the fifth National Conference on Social Innovation on Saturday.

Jui Dharwadkar
+ jui.dharwadkar@ht.com

PUNE: The 18 short-listed social innovators who presented their innovations at the fifth National Conference on Social Innovation, hosted by the Pune International Centre (PIC), received guidance from experts on legal and mentorship issues and on how to tap into Corporate Social Responsibility (CSR) funds.

On the second and concluding day of the conference, the innovators were provided guidance on how to approach corporates and partner with them and on the legalities that they should follow as social entrepreneurs.

A mentorship programme was also launched with four members of PIC, namely Girendra Kasmalkar, Pramod Athalye, Sharayu Bhakare and Sanjay Kavande, who would provide guidance to the entrepreneurs and would remain as the point of contact with the innovators.

Prosthetics for breast cancer victims, hand-crushed defibrillator, a bee basket to rescue bees from urban areas and relocate them to rural areas and a dengue-detecting machine were among the 18 innovative technologies

displayed at the conference. In his presentation, Vinayak Kelkar, the lead corporate sustainability executive at Praj Industries Ltd, said that CSR is not just about funding a social enterprise but is also about the value that the funding company will derive in building its own image.

"Corporate companies will provide money as a part of CSR fund for a reason. Social entrepreneurs must understand what motivates the corporates and what they want to accomplish," he said. "Funding is only a part and many of them are field experts and can advise social enterprises on technical aspects of running a project," said Kelkar.

He emphasised that for corporates to become CSR partners, the social entrepreneur must have a verifiable address and registration under the appropriate law under which it is governed. During the interaction between PIC and innovators, it was observed that the fundamental need of most innovators was lack of funding, less manpower and limitations that they are facing in increasing sales of their products, among others.

'Innovation is the need of the hour'

Jui Dharwadkar
+ jui.dharwadkar@ht.com

PUNE: Well-known for his work in promoting innovations at the grassroots, Anil Gupta, founder of the Honey Bee Network on Friday said that India needs an ecosystem to provide a pathway to support and nurture innovations. He was speaking at the fifth National Conference on Social Innovation (NCSI) hosted by Pune International Centre (PIC) at Yashada on Friday.

A former professor at IIM-Ahmedabad, Gupta is the author of the book, Grassroots Innovation: Minds On The Margin Are Not Marginal Minds.

Stressing on the importance of innovation at the grassroots, Gupta said that no matter how many grassroots innovations are developed, it will take effort to make them fit in the larger matrix

of the society.

India needs a culture that embraces innovations, he said, adding that innovation must be everywhere, including the education system. "Teachers should teach students to never leave a problem unsolved. To make this happen, innovators must be invited to interact with students and share their experiences."

Speaking on other subjects, he expressed concern that while eating right has become important, the diversity in food crops is reducing, which is a concern.

"We want farmers to produce diverse crops and the productivity must also be high. This needs innovation," he added.

He recalled that as a part of his 'Shodhyatras' (research expeditions), he had visited several remote places where it was observed that innovations were far less in the sectors where women were in large numbers.

This shows that difficulties faced by women have been ignored, he said while stressing that this gap in the system must be addressed. "There are women plucking tea leaves which involves hand movements of a few thousand times. Even 98 per cent of paddy in India is transplanted manually, mostly by women. Innovation is needed in these sectors," he emphasised.



• Anil Gupta, founder of the Honey Bee Network. HT

AWARD FOR AFFORDABLE EXCELLENCE



■ Union HRD minister Prakash Javadekar (2nd from left) and eminent scientist R Mashelkar presented the 7th Anjani Mashelkar Inclusive Innovation Award to scientist Naveen Khanna (centre). (From left) Former finance secretary Vijay Kelkar and former DGP Jayant Umraniyar look on at the National Conference on Social Innovation at Yashada in Pune on Friday. >>Report P2 HT

प्रकाश जावडेकर : १८ संशोधकांचा सन्मान; 'नॅशनल कॉन्फरन्स ऑन सोशल इनोव्हेशन' परिषदेचे उद्घाटन

संशोधनासाठी पुरक वातावरण करणार

लोकमत न्यूज नेटवर्क

पुणे : नावीन्यपूर्ण संशोधनात आपण मागे आहोत. त्यामुळे त्याला सर्व पातळ्यांवर प्रोत्साहन देण्याची गरज आहे. शोध हीच भारताची ताकद असून, नावीन्यपूर्ण संशोधनाला पुरक वातावरण तयार करण्याचा आमचा प्रयत्न आहे, असे प्रतिपादन केंद्रीय मनुष्यबळ विकास मंत्री प्रकाश जावडेकर यांनी केले.

डॅपू आनाराचे कमी खर्चात आणि केवळ १५ मिनिटांत निदान करणाऱ्या डॅपू वन डे टेस्ट किटची निर्मिती करणाऱ्या डॉ. नवीन खन्ना यांना जावडेकर यांच्या हस्ते 'अंजनी मारोलकर इन्क्यूबिव्ह इनोव्हेशन पुरस्कार' या पुरस्काराने सन्मानित करण्यात आला.

'नॅशनल कॉन्फरन्स ऑन सोशल इनोव्हेशन' या परिषदेचे उद्घाटन जावडेकर यांच्या हस्ते आज करण्यात आले. ज्येष्ठ शास्त्रज्ञ आणि



अंजनी मारोलकर इन्क्यूबिव्ह इनोव्हेशन पुरस्कार डॉ. नवीन खन्ना यांना केंद्रीय मनुष्यबळ विकास मंत्री प्रकाश जावडेकर आणि ज्येष्ठ शास्त्रज्ञ डॉ. रघुनाथ मारोलकर यांच्या हस्ते प्रदान करण्यात आला.

पीआयसीचे अध्यक्ष डॉ. रघुनाथ मारोलकर, ज्येष्ठ अर्थतज्ञ व संख्येचे उपाध्यक्ष डॉ. विजय केळकर, इंटरनॅशनल लॉजिस्टिटी सेंटर, इंडियाचे (आयएलसी इंडिया) अध्यक्ष

जयंत उमराणीकर, 'पीआयसी'चे मानद संचालक प्रसांत गिरधरे, अंजनी रावे आदी मान्यवर या वेळी उपस्थित होते.

परिषदेसाठी निवड झालेल्या

शिक्षणातील संशोधनासाठी पुरस्कार

ज्येष्ठ शास्त्रज्ञ रघुनाथ मारोलकर यांना त्यांच्या आईने प्रतिष्ठित परिस्थितीवर मात करीत मोठ्या हिमातीने शास्त्रज्ञ बनविल्याचे गौरवीदार प्रकाश जावडेकर यांनी केलं. मारोलकर यांनी ज्याप्रमाणे सर्वसमावेशक संशोधनासाठी आईच्या नावे पुरस्कार सुरू केला आहे. माझी आई ही जिल्हा परिषद शिक्षिका होती. निव्व्याही नावे शिक्षणातील संशोधनासाठी पुरस्कार देण्याचा विचार कुटुंबीयांच्या वर्तने करण्यात येत असल्याचे जावडेकर यांनी सांगितले.

आठ राज्यांमधील एकूण १८ संशोधकांचा या वेळी जावडेकर यांच्या हस्ते गौरव करण्यात आला. जावडेकर म्हणाले, 'शिक्षण हेच विकासाचे महत्वाचे साधन आहे.

नावीनपूर्ण संशोधनाच्या क्षेत्रात कोणत्याही प्रकारचा भेदभाव वसुन गैर संशोधनाची ताकद आहे. डॉ. खन्ना यांचे संशोधन हे 'केक इन इंडिया'चे उत्तम उदाहरण आहे. 'केक इन इंडिया'ची संकल्पना केवळ भारतात उत्पादन करण्यापुरती मर्यादित नसून, भारतातच संशोधन करून त्यात गुंतवणूक होऊन तयार उत्पादन अभिमानाने निर्यात यावे, असे त्यात अधिष्ठित आहे.

भारतीय तरुणांनी संशोधनासाठी परदेशातच न जाता भारतामध्ये राहूनच शोध लावणे. या शोधाच्या आधारे नवीन उत्पादन तयार करून ती जगभरा पोहोचवावी, असे आवाहन जावडेकर यांनी या वेळी केले.

संशोधनाचा फायदा घेऊ लोकांपर्यंत पोहोचला का, याचा विचार घ्यायला हवा, असे मत रघुनाथ मारोलकर यांनी व्यक्त केले. या वेळी विजय केळकर यांनीही विचार मांडले.

शाळा ही 'आउटसोर्सिंग'ची जागा नव्हे!

म. टा. प्रतिनिधी, पुणे

'मुलांना शाळेत पाठवले म्हणजे आपले काम 'आउटसोर्सिंग' झाले, असे अनेक शालेय संस्था समजतात. मात्र, हे समजणे योग्य नव्हे. मुलांच्या जडपासून शाळेआगोरी पालकांची भूमिकाच अधिक महत्वाची आहे. मुलांना नवनिर्मितीची वेळे रोखण्यात पालकांनी प्रयत्न करावेच हवेच. असा सल्ला केंद्रीय मनुष्यबळ विकास मंत्री प्रकाश जावडेकर यांनी पालकांना दिला आहे.

'पुणे इंटरनॅशनल सेंटर', 'टाटा इन्क्यूबेट ऑफ सोशल साधनेस' आणि 'नॅशनल इनोव्हेशन फाउंडेशन इंडिया' यांच्यातर्फे आयोजित 'नॅशनल कॉन्फरन्स ऑन सोशल इनोव्हेशन' परिषदेचे उद्घाटन जावडेकर यांच्या हस्ते झाले. या वेळी डॉ. रघुनाथ मारोलकर यांच्या हस्ते 'अंजनी मारोलकर इन्क्यूबिव्ह इनोव्हेशन अवार्ड'ने सन्मानित करण्यात आले. ज्येष्ठ शास्त्रज्ञ डॉ. रघुनाथ मारोलकर, ज्येष्ठ अर्थतज्ञ डॉ. विजय



'डॅपू वन डे टेस्ट किट'ची निर्मिती करणाऱ्या डॉ. नवीन खन्ना यांना केंद्रीय मंत्री प्रकाश जावडेकर यांच्या हस्ते 'अंजनी मारोलकर इन्क्यूबिव्ह इनोव्हेशन अवार्ड'ने सन्मानित करण्यात आले. या वेळी ज्येष्ठ शास्त्रज्ञ डॉ. रघुनाथ मारोलकर उपस्थित होते.

खन्ना यांना जावडेकर यांच्या हस्ते 'अंजनी मारोलकर इन्क्यूबिव्ह इनोव्हेशन अवार्ड'ने सन्मानित करण्यात आले. ज्येष्ठ शास्त्रज्ञ डॉ. रघुनाथ मारोलकर, ज्येष्ठ अर्थतज्ञ डॉ. विजय

केळकर, 'इंटरनॅशनल लॉजिस्टिटी सेंटर'चे अध्यक्ष जयंत उमराणीकर आदी या वेळी उपस्थित होते. या परिषदेसाठी निवड झालेल्या आठ राज्यांमधील १८ संशोधकांचा या वेळी जावडेकर यांच्या हस्ते

'आधार'च्या समस्यांची चिंता नाही : जावडेकर

देशात दिकठिकाणी आधार कार्ड सोपविलेल्या समस्यांमुळे सर्वसामान्य नागरिक 'मिथका' झाले असताना मंत्री जावडेकर मात्र त्याविषयी फारसे गंभीर नाहीत, असेच चित्र या कार्यक्रमात दाखवता मिळाले. 'आधारकार्डाच्या समस्यांविषयी ज्या बातम्या माध्यमांतून सध्या पुढे येत आहेत; त्यांची मात्र चिंता नाही !' असे मुलाखतीत जावडेकर यांनी आपल्या भाषणादरम्यान उघडली. शिवाय, १२२ कोटी लोकं देशात आधार नोंदणी केले, हेच आपल्याला 'मोठे फाटल' वाटत असल्याचे म्हणत 'देश आगे चल रहा है' असे पुरावीही त्यांनी आकडून जोडली.

मारोलकर म्हणाले, 'सामाजिक नवनिर्मिती घडवण्याची असेल तर, सर्वसमावेशक विचार आकारून आणायलाच हवे. म्हणूनच म्हणजे प्रयोगशाळेतून तयारवाजतील लोकांपर्यंत वदवणे संशोधन पोषायला हवे.'

देशात दिकठिकाणी आधार कार्ड सोपविलेल्या समस्यांमुळे सर्वसामान्य नागरिक 'मिथका' झाले असताना मंत्री जावडेकर मात्र त्याविषयी फारसे गंभीर नाहीत, असेच चित्र या कार्यक्रमात दाखवता मिळाले. 'आधारकार्डाच्या समस्यांविषयी ज्या बातम्या माध्यमांतून सध्या पुढे येत आहेत; त्यांची मात्र चिंता नाही !' असे मुलाखतीत जावडेकर यांनी आपल्या भाषणादरम्यान उघडली. शिवाय, १२२ कोटी लोकं देशात आधार नोंदणी केले, हेच आपल्याला 'मोठे फाटल' वाटत असल्याचे म्हणत 'देश आगे चल रहा है' असे पुरावीही त्यांनी आकडून जोडली.

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Corporate Representation, Incubators & Impact Investors

We are happy to report that the Conference resonated very well with the CSR Community and we were glad to receive participation from Impact Investors and Incubators in addition to the 30+ leading Corporates.

THANK YOU!



About Organisers

Pune International Centre



PUNE INTERNATIONAL CENTRE

Pune International Centre (PIC) is a 'think-tank' established in 2011. Raghunath Mashelkar is the President and Dr. Vijay Kelkar is the Vice-President of PIC.

Since the launch of PIC, we have organised more than a 100 quality programmes in the domains of Finance, Energy, Environment, National Security, Social Innovation, Governance and Art & Culture and we have generated policy papers on relevant and significant issues of our time. Over 350 individuals have joined PIC as members and 40 leading academic institutes are institutional members, including Azim Premji Foundation, Tata Institute of Social Sciences (TISS), India Habitat Centre (IHC) and National Institute of Public Finance and Policy (NIPFP) and Forum of Federation.

A key feature of PIC for the last five years has been the annual 'National Conference on Social Innovation (NCSI)'. It was great to have Dr. Vikas Amte and Hon'ble Minister of Human Resource Development, Shri. Prakash Javadekar as the chief guests for the 2016 and 2017 conferences respectively.

Tata Institute of Social Sciences



The Tata Institute of Social Sciences (TISS) was established in 1936 as the Sir Dorabji Tata Graduate School of Social Work. In 1944, it was renamed as the Tata Institute of Social Sciences.

Since its inception, the Vision of the TISS has been to be an institution of excellence in higher education that continually responds to changing social realities through the development and application of knowledge, towards creating a people-centered, ecologically sustainable and just society that promotes and protects dignity, equality, social justice and human rights for all.

In pursuance of its vision and guiding principles, the Tata Institute of Social Sciences organises teaching programmes to facilitate the development of competent and committed professionals for practice, research and teaching; undertakes research; develops and disseminates knowledge; and reaches out to the larger community through extension, at the local, national, regional and international levels.

National Innovation Foundation



National Innovation Foundation - India

Drawing upon the Honey Bee Network (HBN) philosophy, the National Innovation Foundation (NIF) - India was set up in March 2000 with the assistance of Department of Science and Technology, Government of India. It is India's national initiative to strengthen the grassroots technological innovations and outstanding traditional knowledge. Its mission is to help India become a creative and knowledge-based society by expanding policy and institutional space for grassroots technological innovators.

NIF scouts, supports and spawns grassroots innovations developed by individuals and local communities in any technological field, helping in human survival without any help from formal sector. NIF helps grassroots innovators and outstanding traditional knowledge holders get due recognition, respect and reward for their innovations. It also tries to ensure that such innovations spread widely through commercial and/or non-commercial channels, generating material or non-material incentives for them and others involved in the value chain.

Social Innovation Desk

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