Profile of Participants
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<th>Session</th>
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<tr>
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<td>Mr Adwait Mangesh Dandwate* (Vardhishnu Social Research &amp; Development Society)</td>
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<td>MS Swati Raje (Bhaashaa Foundation)</td>
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<td>Health</td>
<td>Mr Ashish Malani* (Mediaceso Healthcare Pvt Ltd)</td>
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<td>Mr Fazle Kibria* (Dept of Instrumentation Science, Jadavpur University)</td>
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<td>Mr Rajeev Kher* (Saraplast Pvt Ltd)</td>
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<td>Mr Santosh Dubey* (Centre for Social Consulting India Pvt Ltd)</td>
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<td>Mr Shantanu Vaichal* (Saral Precast Solutions)</td>
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<td>Mr Sujay Santra* (iKure Tecsoft Pvt Ltd)</td>
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<td>Prof Suman Kapur* (XBITS Pvt Ltd)</td>
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<td>MS Rewati Prabhu (Frischmann Prabhu India and Design Directions)</td>
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<td>MS Insiya Rangwala (Wello Water India Pvt Ltd)</td>
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<td>Livelihood</td>
<td>Mr Balasaheb Kolekar* (Shramjivi Janata Sahayak Mandal)</td>
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<td>Mr Dhanaji Dhotarkar * (TISS, Tuljapur)</td>
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<td>Ms Garima Sahai* (Svadha WASH Pvt Ltd)</td>
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<td>Mr Shreepad Joshi* (DeASRA)</td>
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<td>Mr Rakesh Gupta* (Golden Hive Foundation)</td>
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<td>Mr Amit Abhay Godse (Bee Basket)</td>
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<td>Mr Sudarshan Suryawanshi (Indian Society of Agribusiness Professionals)</td>
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<td>Mr Eshan Sadasivan (Prosoc Innovators Pvt Ltd)</td>
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*These participants shall be presenting at NCIS 2015 on 17th November.*
National Conference on Social Innovations

Education
Innovators: Education Domain (Co-convener: Mr Pradeep Lokhande)

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Short Note on Innovators in Education Domain

Mr Adwait Mangesh Dandwate  
Vardhishnu Social Research & Development Society, 
Jalgaon

Mr Chintan Siriya  
Jagriti Yatra, Mumbai

Mr Pranith Simha  
Bachpan Banao, Chhattisgarh

Mr Fabin Rasheed  
IIT Hyderabad

Mr Yajurvendra Mahajan  
Deepstambh foundation, Jalgaon

Mr Neil D’Souza  
Zaya Learning Labs, Mumbai

Dr MG Deo  
Moving Academy of Medicine and Biomedicine, Pune
Bridge for Better Life

**Name of Innovator/Applicant – Adwait Mangesh Dandwate**

**Name of Organisation – Vardhishnu Social Research & Development Society**

**Location – Jalgaon**

**Problem Statement**
The problem of child labour is huge in India. Out of the estimated 5000 waste pickers in Jalgaon, most of them women and children who are extremely poor, illiterate, deprived and belong to rural immigrant families. While the Right to Education Act ensures that child ageing 6 to 14 shall be admitted in a class appropriate to his/her age, no efforts are taken to check whether the child who is going to school for the first time is capable of coping up with the scholastic level or not.

**The Solution**
The organisation aims to provide basic formal and informal education and skills to child waste pickers and make them capable of joining mainstream schools. The intervention will enable children to read, write and speak Marathi fluently with confidence and understand basic Hindi and English. It will encourage the children to adopt and create cleaner and hygienic environment around them and help them understand the perils of addiction and leave/break the habits.

**Cost**
Rs. 5000 per child per annum.

**The Impact**
The organisation conducted a socio-economic survey of waste pickers working in Jalgaon city and based on the inputs, they decided to work on three important aspects of human life i.e. Education, Health and Addiction.

The organisation started an evening learning centre in Tambapura area of Jalgaon in January 2014 with ten children. The number has gone up to almost 30 to 35 children, of age group 6 to 16 years currently.

**Scalability/Future Plans**
The first batch of children helped by the organisation will join mainstream schools from academic year i.e. 2016-’17. The organisation aims to include the 120 child waste pickers in the Tambapura region alone and plan to start at least two more learning centers in Jalgaon.

**Awards**
- Fellowship from Samajik Kritagyata Nidhi since 2013
- Fellowship from Janarth, Pune
- “Seva Samarpan Puraskar, 2015” declared by Vivekananda Dhyan Kendra
Building India through Enterprise

Name of Innovator/Applicant – Chintan Siriya

Name of Organisation – Jagriti Yatra

Location – Mumbai

Problem Statement
Indian needs entrepreneurs to lead the country to economic prosperity. Entrepreneurs, especially from the small towns and villages of India need exposure and mentoring to achieve their dreams. Jagriti Yatra (JY) is a unique pan-India enterprise programme whose mission is to build India through enterprise.

The Solution
This organisation creates a market for entrepreneurship development. It identifies and catalyses entrepreneurial talent, using unique methods, beyond the classroom teaching and based on experiential learning, to inculcate transformative learning among the youth of the country.

The organisation also runs world’s first ‘Learning-on-Wheels’ programme, a 15 day, 8000 kms annual national train journey that takes 500 entrepreneurial youth (selected rigorously from over 15,000 registrations), to meet with and learn from role model social and business entrepreneurs who are developing unique solutions to India’s challenges.

The journey includes enterprise-training, structured peer-to-peer learning, panel discussions, and is followed by yearlong mentoring and networking events for the alumni of the Yatra.

Cost
65,000/- per participant for 15 Days train journey and the yearlong mentorship and networking

The Impact
The organisation has produced more than 350 entrepreneurs, creating over 1000 jobs. The wide network, consisting of 3200 alumni, is contributing significantly to ‘Building India through Enterprise’.

Scalability/Future Plans
The organisation aims to nurture 1 lac entrepreneurs by 2022.

The next step also includes the creation of an incubation platform: Jagriti Enterprise Network (JEN) to supports the alumni, and other small and medium entrepreneurs in Tier 2 & 3 districts of India.

Awards
- Shashank Mani, Chairman awarded for his outstanding contribution to National Development in 2013
- Ashutosh Kumar, previous Executive Director awarded a fellowship by ‘International Visitor Leadership Program’ of USA to study social entrepreneurship and innovation by meeting the innovators in USA for 3 weeks in 2012
- Rewati Prabhu, Board Member, Jagriti Yatra was nominated for the Asian Women of Achievement Award in 2014 for her outstanding contribution to Jagriti Yatra. Her focus on equal participation of women has increased the role of women on the Yatra by highlighting women role-models and Women Yatris.
Virtual Reality to Enhance Education in Rural India

Name of Innovator/Applicant – Fabin Rasheed

Name of Organisation – Department of Design, Indian Institute of Technology Hyderabad

Location – Telangana

Problem Statement
Students in rural schools lack access to the facility of field trips that could enable them to understand their school syllabus, on a historical monument for example, in its entirety because they will never get to see it in reality. While in schools with economically higher standards, students more often get to visit such historical sites and get to develop a sense of how the text in the syllabus relates to real life.

The Solution
Using VR and a narrative for studying history in schools was a first of its kind in the world when it went for user testing. 3 months after user testing, Google released Google Expeditions, which is on similar lines.

The organisation brings high-end technology in a cost effective manner to rural Indian schools to bring them at par with students from around the world.

Cost
Not available.

The Impact
VR was used to give the students, from class 3 to 5, the immersive 360-degree view of a historical site and give them information regarding the site in a friendly game-like environment. They wore a head mounted display (an inexpensive Google Cardboard) with binaural audio and were immersed in the historical site, which they had not visited before in real life. All the content was delivered in their native language Telugu. The project helped students to experience such places and learn about these places in the comforts of their schools.

Scalability/Future Plans
The project was started at the scale of one school, with student strength of 200. There were two virtual reality modules used for user testing. The project was successfully user tested from May to June. Presently, the second phase of the project is being planned which is to bring interactive 360 videos into the module.

The innovation can be scaled up by increasing the number of schools, installing the modules, training the teachers, who would also act as buffers for design intervention. To implement the project, a single person would be required per school for the period of implementation.

The organisation proposes that for the first phase of the project, the first set of modules could be installed in the rural schools in Kandi, in and around IIT Hyderabad and eventually moves to other schools as well.

Awards
None.

Publication
Immersive virtual reality to enhance the spatial awareness of students (ACM, IndiaHCI’15)
Zaya ClassCloud

Name of Innovator/Applicant – Neil D’Souza (Presenter- Margaret Anne Whittenberger)

Name of Organisation – Zaya Learning Labs

Location – Mumbai

Problem Statement
Zaya Learning Labs’ solution addresses what the team believes to be the roots of the education crisis: variability in teaching quality, poor access to high-quality content, limited attention for each student, and infrequent measurement of learning outcomes. Zaya Learning Labs has developed learning software applications that deliver instructional and assessment materials to students and real-time data on learning to teachers, parents, and administrators. These software applications can run offline on Zaya’s proprietary ClassCloud, a portable device that acts as a Wi-Fi router, server, and media storage in one. Teachers and students can access the platform using any Wi-Fi-enabled device or via a computer network.

The Solution
ClassCloud, creates a powerful Wi-Fi hotspot in classrooms without being connected to the Internet. The full solution offered by the organization includes hardware, learning software, curated content, personalized assessments, and teacher training to help low-cost schools and learning centers bridge the learning gap at the base of the pyramid. The ClassCloud gives the same user experience of a personalized online platform at a much lower cost, making it accessible to the last mile of users. Centers connect to the ClassCloud through existing computer labs or a set of tablets. The solution is based on a unique pedagogy called blended learning. Instead of only listening to a teacher lecture, students also learn in small groups and individually at their own pace. The teacher can focus more attention on the students who need it the most, while allowing faster students to tackle more advanced concepts – abandoning the ineffective “one-size-fits-all” pedagogy for a more customized, personalized learning experience.

Cost
Varied. (Full pricing available on website at classcloud.zaya.in.)

The Impact
Zaya is used in more than 85 schools, after-school centers, and vocational centers across 6 Indian states. Over 20,000 students have completed approximately 100,000 hours of learning on the platform. The organization has also achieved promising results in pre- and post-intervention assessments.

Scalability/Future Plans
Zaya Learning Labs is working to add more and more layers of personalized learning, moving toward adaptive learning. With this, they are adding more content and tying up with more content partners. They are also working on adding apps for students to study away from their centers and schools. The organization hopes to add 1400 more schools by 2016.

Awards
- DBS NUS Social Venture Challenge (2014)
- World Summit Youth Awards (2014)
- Global Education Award (2011)
- Nasscom Social Innovation (2012)
- Gratitude Award at Google (2013)
- Echoing Green Fellow (2013)
Problem Statement
Dantewada, the region in Chattisgarh where the organisation is based, is ridden with Naxalites and education has been the biggest causality of this conflict. The region has a literacy rate of just 42.12%. The organisation believes that the “Community should take the ownership of their own institutions” especially schools.

The Solution
The organisation wants to evolve a transparent process for community participation in education delivery and develop an interactive communication system that automatically builds accountability in schools (Teachers) towards the community.
It aims to bring all stakeholders together on a common platform to discuss about issues of government schools, quality of education, and to prepare a school development plan. It aims to give the responsibility and ownership of the school to the beneficiary.

Cost
Not available.

The Impact
Work has begun in the academic year 2014-’15 in selected 23 villages, which consist of 186 schools. Initiation phase in all the villages is over and implementation is being worked on.

Scalability/Future Plans
To expand to a few more villages after 3 years.

Awards
None.
**Scouting and Nurturing Science Talent in Rural and Adivasi Children**

**Name of Innovator/Applicant – Dr. M. G. Deo (Presenter- Dr. Rita Mulherkar)**

**Name of Organisation – Moving Academy of Medicine and Biomedicine**

**Location – Pune**

**Problem Statement**

Einstein said “Imagination is more important than knowledge” putting ‘creativity’ above scholarship. Irrespective of caste, creed, race, geographic location, and socio-economic status ‘creativity’ is evenly distributed. A major global challenge is how to identify, quantify and nurture ‘creative’ or ‘out of the box thinkers’. Taking into account population pyramid of India based on the last census (2011) there are some 10 million talented young (10-24 years) people in India. Of these 1 million are Adivasis.

**The Solution**

The main objective of the project is to develop a model to expose ‘bright’ rural and tribal students to excitements in science and technology beyond their books and promote research culture at a very young age. This is done through experiential learning, hands-on workshops in S&T for class IX-X students, mobile science fair (Class X), “Discovering Little Scientists” (Class X-XII), “Discovering Adivasi Little Scientists” (Class X-XII), research conference for ‘little scientists’ etc. The programme is focused on rural and tribal secondary school children who are the most marginalised communities in India.

**Cost.**

Recurring Cost INR 2,000,00/ year

**The Impact**

The programme started as a supplementary science education programme in Vanvashi Ashram Shala, a school exclusively for tribal children, in Mangoan in Raigad District in 2012. The activities are now extended to a few more tribal and village schools in neighbouring districts.

**Scalability/Future Plans**

The organisation aims to extend these programmes in tribal schools in high density tribal area in Western Maharashtra consisting of Palghar, Nasik, parts of Pune and Ahmednagar. Duration of the programme would be three years.

**Awards**

None.
Manobal

Name of Innovator/Applicant – Yajurvendra Mahajan

Name of Organisation – Deepstambh Foundation

Location – Jalgaon

Problem Statement
Society has tended to underestimate students with disabilities including the blind & the handicapped. Students from rural & tribal area, from poor families and even orphans face the same problems. Many of them are intelligent and capable and all they need is a chance to excel.

The Solution
To create a balance in the social fabric, the organisation, in a first of its kind of initiative in the country, gives such students guidance and the confidence to prepare for competitive exams such as UPSC without charging any fees or at very concessional charges with the help of donors & assistance from past students.

Cost
- 200 students per year
- Per student yearly expense INR 44000/- (Accommodation, Food, and Training)
- 44000/- × 200= 8800000/-

The Impact
The organisation started in 2005 with 27 students and in ten years, more than 450 students from tribal & rural areas, especially from agrarian background are now government officers. More than 1500 students have also been placed in other jobs in the government.

Scalability/Future Plans
The organisation hopes to help 100 students by 2018. The organisation plans to scale up with the help of video conferencing. They also aim to start 3 more centers in the next 6 years.

Awards
- Girana Gourav Puraskar, Lokseva Puraskar, Shahid Kranti Puraskar
Vasundhara Public Charitable Trust

Name of Innovator/Applicant – Pradeep Kashiram Barde

Name of Organisation – Vasundhara Public Charitable Trust

Location – Sindhudurg

Problem Statement
Sindhudurg is 100% literate district but is underdeveloped industrially and has a low per capita income. The organisation that came into existence in 1995 aims to inculcate scientific attitude in the society, to develop inventiveness, creativeness, to meet socio-economic and environmental needs, through sustainable solutions.

The Solution
The organisation organises camps called ‘Bal Darbar’ through which a van equipped with science equipment and trained teachers reaches schools in remote areas and demonstrates the experiments as per their syllabus. The organisation runs a science centre called Eureka Hall in its premises. Students, from schools visit this centre as a part of their educational trips. With the help of of Stellarium Software Programme, they also show planets and celestial bodies to the students on screen saving them trips to Mumbai for the same.

In addition, the organisation also runs a mobile library, Bal Vaidanyanic programme, imparts technical training, competitive examination and career guidance etc.

The organisation runs a cell for the information and education of general public, for superstitions, (blind faith), which despite the high percentage of literacy, is a problem in the district. They also run awareness programmes and campaigns against the use of tobacco.

Cost
Not available.

The Impact
60 secondary schools and 90 primary schools reap benefits from the mobile science laboratory since 1998 benefitting more than 20,000 students.

Scalability/Future Plans
Not available.

Awards
- Padmashri Bhausaheb Vartak Purskar, Vasai, Maharashtra, 2000
- Jeevan Gaurav Puraskar - Late Mrs.Prafulla Dahanukar, Roha, Maharashtra, 2000
- Science Work-Social Award, Jagatik Marathi Akadami, Solapur, 2010
- Gaurav Purskar-Science Activity, Lupin Human Welfare and Research Foundation, Kudal, 2013
- Science and Health-Social Award, Late Narayan Manjarekar Charitable Trust, Shiroda, Tal- Vengurla, Dist Sindhudurg, 2014
Shyamchi Aai Foundation

Name of Innovator/Applicant – Sheetal Bapat


Location – Pune

Problem Statement
Research suggests that career decisions taken during formative years (Class 8 to 12) influence the rest of the child’s life. The organization believes that every child is born with his unique potential; he/she simply needs guidance to find meaningful and constructive avenues and opportunities to unleash this potential.

The Solution
The organization is engaged in transforming underprivileged adolescents to responsible youth through Life Skills, Career Guidance, Talent development, Mentoring, Vocational Scholarships.

The organization conducts aptitude tests to help ascertain interest, abilities and orientation of children; career counselling; mentoring and scholarship for identified children.

The organization runs Career Mitra Labs in low income schools to impart life skills, exposure and access to options and opportunities, self-awareness, right mindset etc. in grade 9 and 10.

The organization is the implementation partner for the CSR cell of Pune Municipal Corporation and helps facilitate collective action (of corporate and government) to meet the needs of PMC schools.

“Career Mitra Helpline “A PPP model Call center for Career Guidance with Government of Maharashtra to create equity in opportunity and access for students from rural and remote areas.

Cost
Project 1 – Career Mitra Lab – 22 sessions with students, 3 sessions with parents and individual guidance - Rs. 1500 per student / Rs.6 lacs per school / year
Project 2 – Vocational Scholarships and mentoring – Rs. 25,000 per student /year commitment of 2 years. Project 3 – PMC, CSR cell implementation operating partnership Rs. 10 lac /year
Project 4 – “Career Mitra –Helpline” A PPP Call center for Career Guidance with Government of Maharashtra Rs. 1 cr. In the first year and Rs. 50 lacs in consecutive years.
Project 5 – “Career Mitra Portal “a portal for vocational education service providers PPP model with GOM Rs. 50 lacs per year.

The Impact
The organization is creating a visible impact 320 Pune Municipal corporation schools thereby reaching out to 1 lac most disadvantaged students in Pune Municipal Corporation. The organization has impacted more than 5000 disadvantaged youth so far and with the projects that are planned in the near future will reach out to 16 lac students across Maharashtra.

Scalability/Future Plans
The organization is a consultant to the School Education Department, Government of Maharashtra for creating framework to administer aptitude test and career counselling to 16 lac students appearing for SSC exam in 2015.

Awards
Persistent Foundation – Excellent contribution in Education Sector 2014
Language Preservation and Readership Awareness

Name of Innovator/Applicant – Swati Raje

Name of Organisation – Bhaashaa Foundation (www.bhaashaa.org)

Location – Pune

Problem Statement
Languages are an integral building block of a psychologically healthy and socially empowered society, are an endangered resource today. Inadequate command over any single language in children and youth leads to large gaps in comprehension and expression, limiting their ability to benefit most from their educational experience in school. The organisation aims to develop and sustain a generation of aware citizens, writers and astute thinkers with strong comprehensive and analytical skills, by inculcating in children and youth the love for languages and reading.

The Solution
Since 2008, the organisation uses research-based concentrated efforts, helping these children and youth in rural, semi-urban and urban areas, grow up to become effective communicators, analysts, thinkers and leaders of a future society. They also focus on teacher training, taking into account the challenges those teachers in different parts of the state face, and guiding them to teaching linguistic skills more effectively.

Cost
Varied from Project to Project.

The Impact
The organisation has 14 Rural libraries and curriculum based interactive centres, 12 Underprivileged Reading Centres with a presence of 80-120 children in each centre every week, 16 ‘Read While You Wait’ book corners located in clinics and hospitals, 8 Language proficiency initiatives, 9 ‘Bhaashaa in Schools’ centres, 7 Performances of ‘Jantarleli Mantargani’ and, song & drama programs travelled throughout Maharashtra, 5 Years of ‘Yaksha Prasha’- a state level inter-school quiz competition, 3 Editions of Chitrangan- a film festival for children, 3 International academic conferences in Pune and 1 national seminar in Kochi and, 3 Editions of Katha Yatra- one of the largest story festivals of India. The Marathi Bhaashaa Olympiad exam was the first ever Olympiad exam in a regional language in the country. The contributions of Bhaashaa Foundation have been recognised across various sectors and has its presence all over Maharashtra.

In terms of budget, the organisation has grown from Rs. 5000 in 2008 to Rs. 25 lakhs per annum in 2015.

Scalability/Future Plans
The core model for every project undertaken by the organisation has been research-based, designed and developed to be entirely replicable in any other area. The organisation’s Marathi Bhaashaa Olympiad exam project for school children, is also replicable in Maharashtra and in any other regional language throughout the country. The publishing initiatives include international level quality children’s books- three award-winning books for children have already been translated into and published in English from Marathi. Publication is also underway for a Malayalam Konkani, Gujarati and Spanish translation of the same. E-Journals of Art, Literature and Culture have also been applied for ISSN number.

Awards
- President of Bhaashaa awarded for her work in education, languages preservation and reading promotion in rural and urban area by Nancy Silberkleit Co CEO Archie Comics, USA
- The President of Bhaashaa has been appointed on the Language Advisory Board by the Govt of Maharashtra.
**Innovators Health Domain (Co-convener - Dr Vipin Kumar)**

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*These participants shall be presenting at NCSI 2015 on 17th November.*
Short Note on Innovators in Health Domain

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MediAceso Healthcare Pvt Ltd, Mumbai

Mr Santosh Dubey  
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Dept of Instrumentation Science, Jadavpur University, Kolkata

Mr Shantanu Vaichal  
Saral Precast Solutions, Pune

Mr Rajeev Kher  
Saraplast Pvt Ltd

Mr Sujay Santra  
iKure Techsoft Pvt. Ltd, Kolkata

Prof Suman Kapur  
xBITS Pvt Ltd, Hyderabad
Shecup – Reusable Menstrual Sanitary Protection

Name of Innovator/Applicant – Ashish Malani

Name of Organisation – MediAceso Healthcare Pvt. Ltd.

Location - Mumbai

Problem Statement
A woman uses about 10-12,000 sanitary napkins in her lifetime, which results in an average monthly spend of Rs 100. Not only is buying pads expensive but these non-biodegradable products are an environmental hazard. In 2007 India had a consumption of about 2,66,00,00,000 sanitary pads, which are currently used only by 12% of the urban population.

The Solution
The organisation promotes a healthy and environmentally sustainable menstrual sanitary protection cup called the Shecup as an alternate to sanitary napkins and tampons etc. The product was launched in January 2010 and is tested and certified as per US pharmacopeia. The Shecup can be used for 10 years or more.

Cost
Cost of 1 pack of Shecup is Rs. 695/- and it includes:
- 1 Shecup
- 1 Pack Shecup Wipes (Cleansing soap strips)
- 1 Shecup carry pouch (Made of Khadi)
- User instruction manual

The cost of Shecup has remained the same since January, 2010 and is poised to increase considering the impact of inflation.

Impact
The product is currently selling at about 500 pieces a month.

Scalability/Future Plans
The product is an alternative for low cost sanitary pads, which are being promoted by the government. Since only 12% of the population, mostly urban, uses sanitary aids, it is a market waiting to be tapped.

Awards
None.
Fabrication of Nano Object Imaging Probe using Hydro-Mechanical Etching Technique

Name of Innovator/Applicant – Fazle Kibria

Name of Organisation – Department of Instrumentation Science, Jadavpur University

Location - Kolkata

Problem Statement
With the development of Scanning Near Field Optical Microscopy (SNOM), optical fiber nanoprobe has made great progress in some novel application fields including Skin Cancer imaging. Nano optical fiber probe is a powerful tool for small and nanometric object imaging. However, its cost is rather high and the probability to create optical fiber nanoprobe in great quantity has not been realised, which is a disadvantage to commercial applications of the nanoprobe.

The Solution
In this experiment, the Hydro mechanical etching method is proposed, and the desirable tips are created. In this method, fiber firstly is dipped into acetone to remove the jacket. Next, the tip can be etched in Hydro Fluoric (HF) solution through some mechanical arrangement to create the nanoprobe. Based on the etching mechanisms, the tip can be dipped into HF solution repeatedly if a nanoprobe is not realized last etching. When the nanoprobe is obtained, it is coated with aluminum by vapour deposition technique. Finally, data can be collected by the nanoprobe sensitively, which possibly benefit the fluorescent spectral detection of micro and nano-sample. The technique adopted is very simple, completely homemade and handmade, the etching rate is high and obviously low cost.

Cost
Commercially available average quality AFM (Atomic Force Microscope) tips cost approximately 1.5 Lakhs rupees for single and the price vary depending on the sharpness and coating materials of the tips. Following this technique, it is hoped that it can be manufactures in around two thousand rupees.

The Impact
The applicability of Optical fiber probe as a real-time in-situ probe is increasing very fast with the enhancement of medical imaging techniques like Optical Coherence Tomography (OCT) and its mostly related with Florescence Microscope hence the implementation of new and simple technique is precisely a prolific step towards the improvement of this technology, we proposed to make Atomic Force Microscope’s (AFM) tips in this technique in future which presently we hire from abroad with higher cost.

Scalability/Future Plans
After completing his Masters (M.Sc) in Biomedical Instrumentation he has started his research career at his home university, University of Calcutta but shifted to Jadavpur University. He is presently working under the Joint Guidance of Dr. Sankar Narayan Patra, Asst. Prof, Dept. of Instrumentation Science & Dr. Dipankar Mondal, Asst. Prof, Dept. of Physics on Biomedical device fabrication.

Awards
- Gandhian Young Technological Innovation (GYTI) Awards 2015 at the Festival of Innovation
3S- Sanitation Solutions Simplified

Name of Innovator/Applicant – Rajeev Kher

Name of Organisation – Saraplast Pvt Ltd

Location – Pune

Problem Statement
Rural India faces sanitation problems beyond Western imagination. With its 1.25 billion inhabitants, nearly 800 million people in the country live without basic sanitation.

Due to a major lack of toilets, some 600 million Indians are forced to defecate in the open. In rural India, this figure is as high as 65 percent. In addition to these shocking numbers, there are more mobile phones in the country than toilets.

The Solution
SARA PLAST PVT LTD also known as 3S (formerly SHRAMIK) its sanitation services brand is an eco-friendly waste management solutions company. Launched in 1999, 3s is one of the top 50 Impact Enterprises in India established to provide adequate sanitation and hygiene to live a dignified life. 3S India manufactures and services a wide range of portable and fixed sanitation products, services and complete solutions which include mains free restrooms, portable wash basins and urinals, bio toilets, polyethylene septic tanks, plastic and ferro-cement DRDO licensed bio digesters, and allied cleaning and waste management services pan INDIA.

Hands on BOP impact company creating innovative practices and applications to solve one of India’s biggest problem of open defecation and improving hygiene and sanitation as an integral part of nation building and much recently the Swachha Bharat Abhiyan.

The Impact
Started with an idea with 2 toilets. Today it is in 9 states, 400 plus people strong, 25 cr + turnover and leading the swachh bharat abhiyan brigade with portable toilets, FCBT and septage management.

Scalability/Future Plans
The industry’s potential to be about 20-25 billion dollar provided the government creates legislation and standards to stress the importance of sanitation. Our goal is to try and provide access to sanitation facilities to over half a million users every day in unserved settlements over the next 2 years

Awards
- 3s has been recognised nationally and internationally with various awards for improving overall quality of hygiene management.
- Invited by former President of USA Mr. Bill Clinton for attending Clinton Global Initiative in New York City USA, 2010, 2011
- Portable Sanitation Association International (PSAI) appointed 3s’ Rajeev Kher as the 1st Indian/Asian on Board of Directors (2010-2013)
- Sankalp – Premiere Social Enterprise Awards. Winner in the health, water and sanitation space in India, 2010
- Department for International Development (DFID), Govt. of United Kingdom awarded a grant through Business Innovation Facility to develop and scale the BOP model in sanitation
- Winner of India’s 1st ever CNN IBN India Positive Awards, 2012
Arsenic Removal from Water

Name of Innovator/Applicant – Santosh Dubey

Name of Organisation – Centre for Social Consulting India Pvt. Ltd.

Location - Mumbai

Problem Statement
Arsenic poisoning affects 137 million people in over 70 countries that can lead to skin, kidney and liver cancer. Using a product that will purify water will lead to decrease in diseases, improvement in health, reduction in medical expenses and will help improve the number of working days in the life of the user.

The Solution
The organisation works to provide and promote low cost rural technology to purify water. They have developed a portable arsenic purifying system that can be installed in hand pumps or in borewells.

Cost
Rs 900 per system that purifies 20,000 litres of water.

The Impact
Presently the pilot project is underway in West Bengal. The organisation feels they would have to improve the capacity and quality of the filter for better results.

Scalability/Future Plans
68% Indians depend on ground water as a source of drinking water and four States namely Uttar Pradesh, Bihar, Jharkhand and West Bengal have the highest arsenic content in water affecting over 10 crore Indians.

Awards
- Won Rs 40,000 from National Business Plan Competition 2014
- Won Rs 50,000 from India Africa International Business Plan Competition 2014
- IIM Lucknow Conclave B-Paln Winner 2014
- Top 5 Best Innovator, Indian Merchant Chamber, Mumbai, 2014
Precast, Low Cost, Easy-to-Install Concrete Toilets

Name of Innovator/Applicant – Shantanu Vaichal

Name of Organisation – Saral Precast Solutions

Location - Pune

Problem Statement
The organisation wished to address the problem of traditional construction of toilets, which is expensive and labour intensive.

The Solution
The organisation has developed a toilet structure that can be installed in a few hours, can reach remotest places without cranes and doesn’t need highly skilled manpower. The toilet has a factory made finish and quality.

Cost
Not available.

The Impact
Company is in start-up stage and has installed toilets in schools.

Scalability
The organisation would need to create local entrepreneurs to do the erection work.

Awards
- Most Innovative Design for Affordable Toilets at Indian Sanitation Summit, New Delhi
iKure : Impacting Rural Health

Name of Innovator/Applicant – Sujay Santra

Name of Organisation – iKure Techsoft Pvt. Ltd.

Location - Kolkata

Problem Statement
There is an urban-rural divide when it comes to comprehensive health facilities and its accessibility in rural India. The organisation aims to fill this gap. Incepted in 2010 in Kolkata with incubation support from IIT Kharagpur and Webel Venture Fund, an early-stage incubator established by the government of West Bengal.

The Solution
Using a cloud–based technology platform called ‘WHIMS’, skills training and capacity building, iKure healthcare model works together with doctors, academicians, local NGOs, and corporate on endemic health issues in communities, designing holistic healthcare solutions around sanitation, hygiene and nutritional components, creating livelihood for local communities and improving quality of life at grass root level. The organisation operates in West Bengal, Orissa, Jharkhand, Assam and Kerala.

Cost
To avail doctor’s consultation at iKure clinics, patient pays fees of Rs. 50 for doctor consultation & medicine/other services and at the spokes INR 70/- at the Hub, which is almost 75% less than what they would pay otherwise. Operational Cost at the Spokes is approximately INR 1,50,000/-, Cost of setting up clinic around INR 2,00,000/- Medical instruments around INR 5,00,000/-

The Impact
The company opened its first rural health clinic in November 2012 after running 20 pilots over two and a half years. iKure now runs 28 Rural Health clinics in West Bengal, Mobile Units, research projects, and Corporate Social Responsibility (CSR) camps all integrated through WHIMS.

iKure has impacted more than 13,50,000 rural patients, treated 30,000 paid patients through its Rural Health clinics and seen more than 4,00,000 patients through its free health camps and spot camps.

Scalability/Future Plans
In addition to the 28 clinics already operational in West Bengal, 1 Hub with pathology and 10 satellite clinics are to be added in Jharkhand in partnership with PRADAN & TATA Trust. The organisation aims to expand to 8 States and 50 blocks in the next 5 years.

Awards
- ‘Global Health Supply Chain Summit Prize’ for Supply Chain Excellence in Global Health in Low and Low-Middle income countries
- Sankalp Healthcare Awards- 2014
- Ist Rank in the Technology for ImpactAccelerator-2013 by CIIE, IIM-A & Village Capital, USA
- ISBA Jury Award – 2013
RightBiotic- The Fastest Antibiotic Finder

Name of Innovator/Applicant – Prof Suman Kapur

Name of Organisation – Xcellence in Bioinnovations and Technologies (xBITS) Pvt. Ltd.

Location - Hyderabad

Problem Statement
UTI accounts for over 10 million doctor’s office visits/year, at a cost of over $1 billion. A large share of expense and misuse of antimicrobials comes from a 24-72 hour long wait for the sample to be cultured and tested for antibiotic sensitivity (AST). This “wait” leads to empirical prescription of antibiotics fuelling irrational use of “broad-spectrum” antibiotics resulting in increase in incidence of resistance to these essential therapeutic agents for common pathogenic bacteria. There are both manual and automated diagnostic tests available to test for antibiotic sensitivity of bacteria. The existing automated technology, which takes 24hrs, requires trained manpower, sophisticated lab setup costs anywhere from Rs 12-49 lakhs, and the final cost to the patient is Rs 1100-1200/test.

The Solution
A novel indigenously developed technology for determining AST in < 4hrs, RightBiotic comes with a ready to use kit for rapid culture of pathogens and tests sensitivity to 14 antibiotics. It is small, portable, battery operated and provides results in a ready to use format, at 1/4th the cost and in 1/6th the time taken on automated systems, does not require any trained manpower or lab setup and the assay can be run in any room on a table top surface, in a doctor’s clinic, at PHCs and DHCs, in labs and wards.

The salient features of RightBiotic are:
1. Addresses the issue of increasing rise in antibiotic resistance & thus is an acute need of the hour
2. More than 10 lakhs Indians suffer from UTI on a daily basis
3. The test is comparable to the currently available tests but is ~20 times faster
4. Large number of Indians in rural settings do not have access to reliable testing facilities
5. Addresses the need for lack of trained manpower in India and other developing countries.

Test components include:
- A method which provides for rapid growth of pathogens in a specially designed proprietary medium
- Specially fabricated readout-machine, which displays results on a LCD screen and as a print out.
- Pre-functionalized antibiotic strips (customizable) allowing screening for 14 different antibiotics.

Cost
Equipment cost for on spot ready-to-use results is only Rs 1 lac and cost per test is Rs 350/-

Impact (Social & Commercial)
Direct beneficiaries will be rural and hard to reach populations where the doctors are prescribing empirical treatment as they lack access to labs as well as trained manpower.

Scalability and Future Plans
India alone has around 05 lacs Primary health centers, 1.5 lac doctors’ clinics, 01 lac clinical diagnostic labs and over 3 lac hospitals who will all benefit from this technology. The team is currently working on soft launching the product in Indian market.

Awards & Recognition
Awarded Gandhian Young Technology Innovation (GYTI) award -2015 for RightBiotic innovation.
Suvidha - Toilet Model

Name of Innovator/Applicant – Rewati Prabhu & Satish Gokhale

Name of Organisation – Frischmann Prabhu India and Design Directions

Location – Mumbai, Pune

Problem Statement
The demand for well-designed and well-operated public toilets in urban India is amply evident. The innovation by the two design organisations focusses on urban public toilets and highway rest stops. It learns from the Sulabh model and builds into it innovation, scale and enterprise.

The Solution
Suvidha is conceived as a modern health-care franchise rather than a public toilet; its modular design is a kit of parts that is quickly assembled, easy to clean and manufactured at scale. Solar power, grey water recycling and green materials are integrated into the design. Technology is being further considered via a pay per use mobile-based app.

Cost
Revenue is proposed through advertisement by healthcare corporates like HUL (Lifebuoy) etc., retail and 2% CSR budget of suitable companies. (Pay-per use revenues are in addition to this).

The Impact
Project is in pilot stage.

Scalability/Future Plans
The organisation plans to implement the pilot project in either Panjim or Pune. It proposes that units are manufactured at scale and supported by local government through access to land and infrastructure. Entrepreneurs will operate the facility as a social enterprise and earn profit while delivering social benefit.

Awards
None.
**Water Wheel**

**Name of Innovator/Applicant – Insiyah Rangwala**

**Name of Organisation – Wello Water India Pvt. Ltd.**

**Location – Mumbai**

**Problem Statement**
Many Indians are trapped in a cycle of poverty costing them productivity and negatively impacting their health due to the lack of reliable access to safe water. The most affected are women and girls who have to walk long distances to carry water back to their homes, mostly on their heads.

**The Solution**
The WaterWheel counters the problem of water transportation with its simple design and allows for better handling and filling. It is a wheel with a handle with a capacity of 45 litres resulting in the transportation of twice the water in half the time.

**Cost**
Not available.

**The Impact**
Over 2000+ units have reached the water-parched areas of Maharashtra, Rajasthan and Madhya Pradesh as well as Pakistan and Zambia.

**Scalability/Future Plans**
The organisation hopes to establish strategic partnerships with organisations throughout the clean water value chain, local governments, businesses-aid agencies, distributors and NGOs that will enable them to leverage on-the-ground resources, establish trust within communities + build upon the progress made in educating consumers about the need for clean water.

**Awards**
- Grand Challenges Canada
- Clinton Foundation
## Innovators: Livelihood Domain (Co-convener: Mr Shekhar Potnis)

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Short Note on Innovators in Livelihood Domain

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Mr Dhanaji Dhotarkar
Tata Institute of Social Sciences, Tuljapur

Mr Shreepad Joshi
deAsra, Pune

Ms Garima Sahai
Svadha Wash Pvt Ltd., Bhubaneshwar

Mr Rakesh Gupta
Golden Hive Foundation, Lucknow

Mr Upmanyu Patil
Sakhi Unique Rural Enterprise (SURE), Osmanabad
Low Cost Circular Carp Hatchery Model

Name of Innovator/Applicant – Balasaheb Kolekar

Name of Organisation – Shramjivi Janata Sahayyak Mandal

Location - Satara

Problem Statement
Shramjivi Janata Sahayyak Mandal (SJSM) founded in 1977 by a group of educated youth from nomadic tribe to promote development of socially and economically backward communities residing in remote villages of Western Ghats around Satara and Raigad districts of Maharashtra.

Pollution of river waters and depletion of forest cover inadvertently impacted on the traditional livelihoods (fishing and forest produce) of local Katkari tribe of Mahad and Poladpur blocks of Raigad district. Dwindling fish in the rivers forced majority of Katkaris to migrate to nearby towns and cities for major part of the year. To arrest migration and increase local sustainable livelihood prospects SJSM focused on developing inland fishing in the district which demanded 23.52 lakh fingerling size seeds yearly. The main hurdle was in procuring quality and quantity seeds of Indian Major Carp (IMC) and Common Carp (CC) for stocking in the water bodies.

The Solution
SJSM’s innovation a Low Cost Hatchery Model, which uses gravity for water supply. It relies on the natural incline of the dams to follow the gravity gradient to supply water from dams to the hatchery unit where fingerlings are reared. SJSM developed this model with the help of Ratnagiri College of Fisheries, and members of local fishing cooperatives for its practical implementation in a year 2010.

Cost
The entire unit cost was Rs. 3 lakhs (excluding land cost). Comparatively the hatchery unit as per Government norms would have cost Rs.50 to Rs. 60 lakhs. Reduction in cost due to non-requirement of overhead, ground storage tanks, separate breeding pool, water supply pumps and Generator.

The Impact
- The hatchery has a capacity to produce fingerlings capacity of 5.20 lakh annually. Total spawn production has been 9.69 cr and 172.89 lakh fingerlings released in reservoirs so far.
- The structure allows breeding of two species (IMC & CC) at the same time, eliminates loss of eggs and spawns during transfer and is maintenance-free (requires about 300 metres space only).
- Increased income levels of cooperative members from Rs 12,000 to Rs 32–39,000 in 2015. Marketing done by women, and 526 families involved in full time fishing have stopped migrating.
- The project started with 5 fishing cooperatives (489 members) in 2014 and has expanded to 13 with 887 members. The harvested fish (146.570 tonnes) has a market value of Rs 2,05, 19,800.

Scalability/Future Plans
- Can be adopted anywhere at the downstream of the irrigation tanks. Supply of fish throughout the year, better prospects for quality fish, increased productivity and income levels with lucrative market linkages. Increased livelihood prospects for organized fishing communities willing to invest for increasing fish production and alternative income generation.
- Promote the model to Konkan Lokadhikar Manch, a network of 22 NGOs, where SJSM will involve in capacity building and training of NGO members to promote the Low Cost Hatchery model, develop cages and pen cultures at reservoir sites and increase fish production in traditional village water tanks and farm-ponds.

Awards
Livelihood innovation award from Maharashtra Rural Livelihood Innovation Forum in 2013-'14.
Organic/Group Farming

Name of Innovator/Applicant – Dhanaji Dhotarkar (Presenter- Ganesh Chadre)

Name of Organisation – Lok Prabhodan Vivid Kala Gun Darshan

Location – Arali Budruk, Osmanabad District

Problem Statement
Farmers in drought prone areas suffer due to the vagaries of nature. The organisation is currently working in a cluster of 25 villages and aims to promote livelihood through organic and group farming.

The Solution
Low input agriculture that would provide sustained production and income for small farmers in the drought prone areas.

Cost
Not available

The Impact
Not Specified.

Scalability/Future Plans
Through awareness, demonstration, training and study tours the organisation wants to cover 50 villages in the next two years.

Awards
None.
Problem Statement
In the current sanitation space especially in rural India, construction of toilets are fraught with difficulties – from lack of awareness, low quality material to lack of trained masons. The availability of toilet adoption and maintenance knowledge is also low. The organisation aims to bridge this gap and began functioning in one block in Odisha in 2013.

The Solution
The organisation provides value addition by being an eco-system integrator wherein via village entrepreneurs it offers sanitation designs as a service to the rural consumer along with complete sanitation solutions like toilet as a complete unit; waste management options & toilet adoption & maintenance products and services like toilet insurance; hygiene kits and innovative rural toilet fragrance. The organisation bring value to its entrepreneurs by providing complete toilet element and maintenance package at competitive rates and support in also providing support to the entrepreneur in terms of business acumen hand holding, financing and mason training.

The innovation is an ICT-coordinated value-chain of village-based "sanitation entrepreneurs" called “Sanipreneurs” integrated with local and multi-national suppliers/partners. Svadha calls it model of collaboration, convergence and connect!

The whole model is ICT based where simple tablet apps are used to do feasibility studies, entrepreneur lead management and interface with the entrepreneur/consumer.

Cost
Product cost varies depending on the product type that consumer demands.
However, through in house localized innovation, toilet with bio pit is available within Rs 15,000/- and a pre-fabricated toilet with bio-digester for Rs 20,000/-

The Impact
From a single block in Odisha, the organisation has expanded in about 17 districts of the State of Odisha and established a franchise model in Maharashtra and Madhya Pradesh. Gave livelihood to 106 entrepreneurs as of today.

Scalability/Future Plans
The organisation wants to increase their numbers to 250 stable entrepreneurs by 2016 and introduce new brands in the business to offer a holistic WASH (Water, Sanitation & Hygiene) package to consumers in a sustained manner through market forces based on the entrepreneur model. The organisation wants to expand in India and abroad through its franchise model.

Awards
- Recognised by Toilet Board Coalition (consortium of multiple corporates and multilaterals) as one of the innovative models with confirmed investment & is already receiving seed funding from Unilever Global

*Participatory, ICT based, Entrepreneur Model
Labour Net

Name of Innovator/Applicant – Dr. Gayathri Vasudevan

Name of Organisation – iKure Techsoft Pvt. Ltd.

Location - Bengaluru

Problem Statement
One in two individuals drop out of school by the time they reach class X and 8 out of 10 do not complete college leading to an alarming number of youths who won’t get good jobs. The organisation started in Bengaluru in 2006, aims to create livelihood through continuous vocational education for the informal sector, to improve their income and quality of life.

The Solution
The organisation imparts skill training to individuals in 15 sectors and 150 job roles in multiple locations in India to make them employable and improve industrial and sectorial productivity. The organisation employs innovative delivery aids and multiple formats of training to the individuals. It also has a ‘earn and learn’ model that is helpful to these people.

Cost
Not available

The Impact
Organisation has more than 90 livelihood centres, more than 100 work site locations across 22 States and has skilled over 100,000 individuals in 2014-’15. It became a ‘for profit’ enterprise in 2008.

Scalability/Future Plans
The organisation has scaled significantly in the last 3 years and wants to accelerate their impact in the next few years.

Awards
- NSDC’s ‘Best Upcoming Partner’ Awards 2013 & ‘Best Sustainable Initiative’ in 2014
- NSDC’s ‘Best Practice Recognition’ Award
- Godrej & Boyce’s ‘Partner of the Year – 2014’ Award ‘Best Solution for the Society’ by Lavasa at LLGA Cities Meet
Name of Innovator/Applicant – Shreepad Joshi (Presenter- Pradnya Godbole)

Name of Organisation – deAsra Foundation

Location - Pune

Problem Statement
The proportion of working-age population in India is likely to increase from around 58 per cent in 2001 to more than 64 per cent by 2021, with a large number of young persons in the 20-35 age group. This working age youth has to be provided livelihood opportunities, getting a job is one choice, but there will not be enough jobs for all, given that companies are focusing on using technology & automation to reduce their workforces. Self-employment or entrepreneurship becomes the other option. Entrepreneurship provides the means of livelihood for not just one person, but also creates jobs for others. This will in turn help reap the benefits of India’s demographic dividend. Also, there are many challenges faced by entrepreneurs today, such as lack of guidance and support, not having enough knowledge and information, and not having access to various professional services of an entrepreneur’s ecosystem in one place.

The Solution
deAsra Foundation, a not for profit social initiative aims to enable entrepreneurs by providing support in all stages of business startup and execution, and enable 25,000 businesses by 2020. If each business creates anywhere between 2 to 10 employees, we are looking at an average of 1,00,000 jobs getting created through the businesses of these entrepreneurs.
deAsra Foundation aims to solve the challenges faced by an entrepreneur through the following innovative solutions:

1. Business in a Box – a guidebook per business, which has information specific to a business across all stages such as planning, registrations, funding, setup, market and execution.
2. Udyog Mitra - a friend, philosopher and guide to the entrepreneur
3. www.deasra.in – forum for entrepreneurs to interact, and provide information and guidance per business based on our research.
4. “Yashaswi Udyojak” magazine – create awareness and promote entrepreneurship

Cost
A one time membership fee of Rs 1000 is expected from the applicant at the time of the first consultation. At project commencement, deAsra Foundation charges approximately 2% of the project investment cost as fees for the entire following year

The Impact
deAsra Foundation was launched on 7th Feb, 2015. In this short period of time, we have received 10,000+ registrants on the website, and have met with more than 500 aspiring entrepreneurs.

Scalability/Future Plans
deAsra Foundation aims to enable 25,000 businesses by 2020, thereby creating a minimum of 1,00,000 jobs.

Awards
Our greatest award is the response we have had from society and being engaged with more than 125+ entrepreneurs who want to start or grow their business, in such a short period of time.
Livelihood Generation Through Correct Methods of Bee Keeping

Name of Innovator/Applicant – Rakesh Gupta

Name of Organisation - Golden Hive Foundation

Location - Lucknow

Problem Statement
The decline of Apis Cerana – the indigenous honey bee is a cause of serious concern. Lack of understanding of the crucial role of honey bees in the ecosystem, ignorance of the proper management procedures and non-availability of healthy honey bee colonies leads to a general waning of interest in practising beekeeping.

The Solution
The Golden Hive Foundation, registered on 05.02.2015 is committed to conservation, propagation and promotion of honey bees. It is a small attempt to re-establish Apis Cerana as an indicator of healthy agricultural practices and a balanced ecosystem.
There is an immediate need to establish Apis Cerana Bee Banks in each state to propagate, maintain stocks of healthy honey bees for immediate distribution. Such bee banks would act as centers to train and create responsible beekeepers and promote beekeeping as a livelihood opportunity that would translate into immediate income generation without relocation of the communities.

Cost
Not available

The Impact
The vision is to create Apis Cerana Bee Banks in all states. The Golden Hive Foundation has designed functional Bee boxes and Bee frames to simplify beekeeping and to ensure production of the finest honey. Proper management training and exposure will help generate individual's interest. Wide geographical reach will impact the communities which need the skill development, livelihood and income generation initiatives the most.

Scalability/Future Plans
To sustain the ecosystem and the agricultural productivity, there is an imperative need to create a national movement for conservation and propagation of Apis Cerana honey bees. There should be adequate pollinators for agricultural crops in each village and for natural flora too.

Awards
None.
Sakhi Unique Rural Enterprise (SURE)

Name of Innovator/Applicant – Upmanyu Patil

Name of Organisation - Sakhi Unique Rural Enterprise Limited

Location - Osmanabad

Problem Statement
SURE was founded in 2009 and currently works in 6 districts in Maharashtra and 2 in Bihar. The focus of the organisation is to promote clean and green energy products and services, and to provide livelihood opportunity to rural women.

The Solution
The organisation works to create a rural retail women entrepreneur network to promote the use of clean energy products and solutions. The result is that pollution is reduced in the kitchen, health of the family is improved and proffers more productive time to women and girls.

Cost
Not available

The Impact
The organisation has promulgated more than 2,20,000 improved cooking stoves and bio fuel pellets etc. to low income, rural households. More than 33% income growth per annum has been seen and households have saved Rs 150 per month on cooking fuel.

Scalability/Future Plans
The organisation started with 2 districts and 200 ‘Sakhis’ and is now operating in 8 districts with 1000 Sakhis. The organisation wants to partner with product companies and government and social organisations to improve their reach. They plan to reach 5000 Sakhis in 4 States over the next 5 years.

Awards
- 2006 – Late C. K. Prahlad selected SURE for co-creation in BOP Market with BP Energy
- 2012 – wPower Award by USAID/India
- 2013 – Winner of Sankalp (Global Cookstove Alliance for Innovation in Clean Cooking Solutions 2013), ICICI Foundation & CNBC TV18 Inclusive India Award
- 2014 – Assocham Ladies League Grassroots Women of the Decade Achiever’s Award
- CMO Council – 25 Most Talented Rural Marketing Professionals of India
Bee Basket

Name of Innovator/Applicant – Amit Abhay Godse

Name of Organisation – Bee Basket

Location - Pune

Problem Statement
Once Prof. Albert Einstein had said "If the honeybees disappear off the surface of the globe, then man would have only four years of life left. No bee, No pollination, No plants, No animals, No man". Depleting bee population is largely due to unhygienic and traditional way of honey hunting. By implementing the modern method of honey harvesting advocated by the organisation, existing bees can be conserved and the population can be increased.

The Solution
The organisation upgrades the skills of traditional honey hunters by modern methods of honey harvesting and teaches tribal women to make products from bee wax and pollen. The methods employed by them are non-cruel and eggs, larvae and bees are not killed.

Cost
For 8 batches it will cost around 25 lakhs for training and providing them bee handling equipment.

The Impact
The organisation saves bees from mass destruction in Pune city. The beehives are relocated to nearby forest or farm land. The organisation has tie ups with various Pune based organisations to save bees. They also sell unprocessed or raw honey to Ayurvedic doctors.

Scalability/Future Plans
The organisation wants to train a batch of 25 traditional hunters, in total 8 batches for a particular forest range, depends upon the geographical area and eventually train hunters in 7 years all over India. Our vision is that to build a social venture around honey bees, and bring liquid gold revolution in India just like Amul brought white revolution in milk.

Awards
None.
**e-KrishakSahyogi (e-KS)**

**Name of Innovator/Applicant – Sudarshan Suryawanshi**

**Name of Organisation – Indian Society of Agribusiness Professionals**

**Location – New Delhi**

**Problem Statement**
Access to useful information by farmers is a major impediment in attaining self-sufficiency in agriculture production. To address this problem, the organisation developed a decision support system that needs basic knowledge of operating mobile/tablet for operation.

The organisation works in 17 States across India and the innovation has been currently introduced in three districts of Rajasthan (Bundi, Baran and Sawai Madhopur).

**The Solution**
The android-based application e-KS (means Electronic Companion of the Farmers) assists farmers in diagnosing disease/pest infestations and provide them a solution right away. The extension agent who handles the device can also educate the farmer on proven cropping techniques depicted in the form of multi-media/animation slideshows/videos. For second level of help, the device is connected to a KCC (Kisan Call Centre) that will help identify the problem.

**Cost**
Initial cost of creating the app was met with financial support from various development schemes. The organisation proposes to charge Rs 10-15 per download after one year. They expect 1 million downloads in 12-15 months, which would be enough to sustain the project.

**The Impact**
The app was implemented with 9600 farmers in Rajasthan in March 2014. Timely diagnosis of their problems has helped them save their crops and increasing their earning potential by 25 – 40%. The app has also helped farmers adopt advanced technologies to yield better crops.

**Scalability/Future Plans**
The app is currently in Hindi but with the revenue generated through downloads, the organisation will launch it in different languages. The app will also be scaled to keep business records, collect requirement of agri inputs from member farmers on real-time basis etc.
Newspaper Carry Bags Making Machine
Name of Innovator/Applicant – Eshan Sadasivan
Name of Organisation – PROSOC Innovators Pvt. Ltd.
Location - Kanpur

Problem Statement
Use and throw plastic carry bags that are used extensively cause pollution and the only way to dispose them is to dump them in landfills. Bans on these polluting bags have failed because there is no alternative carry bag, such as jute, cloth or paper that can be mass produced. It was determined that old newspapers would be the best raw material to mass produce carry bags for daily use. The development of simple manufacture unit of paper bags can generate livelihood opportunities for poor people can help environment on the other hand.

The Solution
The organization has designed and developed a compact, low cost carry bag making machine to mass produce eco-friendly and bio-degradable carry bags from old newspapers to replace the use of plastic carry bags.

Cost
INR 25,000 – 30,000 /

The Impact
The first working prototype of the paper carry bag making machine is ready but there are challenges related to machine design that the organisation needs to address.

Scalability/Future Plans
The organisation aims to launch a pilot project by January 2016 and depending on the feedback they will scale up gradually. They aim to engage NGOs active in the livelihood domain as distribution channels to reach out to the bag makers in rural areas and create employment opportunities. Their rollout plan is:

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Awards
- Winners at the Delhi Chapter Level of TiE International Business plan competition
- Second prize at the SOCHA B-plan competition at e-Summit’14 IIT Kanpur
- PRIME’83 innovation Award- 2014
Contact Us

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