

Sustainability Initiatives Annual Report

2014 - 2015



sustainability
initiatives

Sustainability Initiatives

About us

Sustainability Initiatives is about people. About you and we, and every living being on the planet.

It is about living a better quality of life for a prolonged time.

Hence Sustainability. Also because changes which are the consequences of humanity's own deeds now require us to be alert, aware and active in responding positively to them. Since Sustainability is about all of us, Sustainability Initiatives is for us.

Sustainability Initiatives is built on the philosophy which talks about creating awareness through systemic mobilization of knowledge in the fields of Energy, Environment, Ecology and overall Sustainability. It is a platform via which knowledge flows through the different streams of individuals, organisations, government agencies and everyone else who thinks sustainability is their job. We act as a vessel of like-minded experts, who collaborate to create, support and assist this web of knowledge.

It is achieved through conducting research, undertaking social reporting and building capacity. Through this, we assist governmental bodies to take knowledge based decisions in policy making and to spread the necessary awareness to understand and implement these policies.

We also assist NGO's, educational institutions and professional bodies to gather and disseminate knowledge regarding sustainability.

SI conducts Academic and Applied Research in the field of Environment, Energy and Ecology. To execute this research in an effective manner,

we create Training and Education modules.

we deliver Training and Capacity Building programmes.

we develop and deliver Career Orientation Certificate modules.

we create a Knowledge Repository

we create Publications, Manuals and Guideline.

Our work can be categorized under five heads namely

- Research
- Capacity Building
- Outreach
- Advocacy
- Publication

The SI Team



Anagha Paranjape-Purohit
Trustee



Poorva Keskar
Trustee



Hrishkesh Kulkarni
Trustee



Apoorva Kulkarni
Trustee



Pranati Shroff-Munot
Core member



Namrata Dhamankar-Jadhav
Core member



Anuja Gokhale
SI Co-ordinator



Amol Umbarje
Programme Co-ordinator

SI Foundation Day

Sustainability Initiatives celebrated its Foundation Day on 11 November 2013. The event was organised especially to interact with the professional and student members of SI. Ar Poorva Keskar did the welcome speech and briefly introduced the objective for starting SI. Ar Anagha Paranjape-Purohit briefed on the journey of SI since Nov 2011. Members and other associates of SI also shared their thoughts and their experience of getting associated with the organisation. The SI Annual Report 2013 was also released on this occasion. Mr I. P. Inamdar and Dr. Parvez Inamdar were the special guests for this evening. The evening ended with a short film screening. Through these interactions ,SI team could understand more about the work interests and expertise of the members.

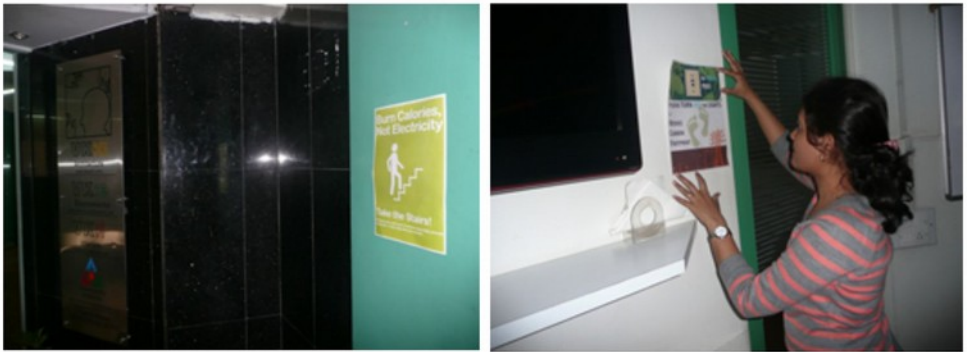


Research

Quality Research is a pre requisite for effective policy formation and successful execution of concepts.. At Sustainability Initiatives, we work on issue based research to guide policy making in field of urban and rural planning for sustainable development. The following is a snapshot of our research activities.

Green Office Week in VK office

SI organised a Green Office Week in VK:a, Architecture, VK:e Environmental and VK:i Interiors from 18 to 22 Nov 2013. Through various activities during this week, the employees were made aware about the right ways of use of appliances to save electrical power, water and fuel. The intention was to attempt to inculcate habit of minor but important things like turning off/unplugging unwanted appliances, efficient use of air conditioners, reducing waste, recycling of waste paper, etc. On one of the weekdays employees were encouraged to travel by public transport/car pool/ cycle or walk to office. Record books were maintained to help quantify the savings at the end of the week. Each day of this Green Office week focused on one area for training the employees: Energy, Water, Transport, Waste and on the last day a feedback was taken on the week's activities.



As part of the GOW, some energy saving measures were implemented like replacing the old refrigerator with a new 3 star energy rated, avoiding the use of lift, hibernating computers during lunch and meeting hours, avoiding unnecessary use of fans and lights. Employees were asked to collect the unwanted sheets of paper from misprints & cluttered desks which were used to make notepads. There was also a competition to sketch a design for the cover page of these recycled notepads.

The GOW saw a good participation from the employees and at the end of the week a feedback survey was collected to evaluate the feasibility of implementing the suggestions on a long term basis.

Toilet block construction at Zila Parishad Primary School, Dhanore village

Sanitation improvement is an inevitable need of a society to improve health issues and also address the social aspects. The idea for building a toilet block structure in 'Zilla Parishad Prathamik Shala, Dhanore village' was initiated by Global Communities in collaboration with Cohesion Foundation Trust. Next time Sustainability Initiatives team analysed the existing toilet conditions and designed and facilitated the renovation of toilet block structure. As per the availability of the space, four toilets for girls (including staff) and three toilets for boys (including staff) were constructed with a separate trough-type hand wash basin. The design of toilet block structure followed simple yet crucial criteria viz, ease of use for children, low cost local materials, easy to clean, less maintenance and preferably less water consuming. Developing proper sanitation practices enhances students' understanding towards sustainable health habits. Therefore, with this small scale project, SI aimed to inculcate the significance of proper toilets and sanitation needs among students and staff.



Green roofs

As the city of Pune is growing rapidly, it needs to adapt to the extremes of climate change, increased energy consumption, loss of greenery/ biodiversity, amenity space and contribute to healthy living. Energy consumption in buildings is dependent on envelope design. Barren roofs and exposed concrete surfaces leads to more heat gain in buildings. The heat reflected by the surfaces leads to a phenomenon of urban heat Island affecting the micro climate of the place resulting in increased temperatures.

Sustainability Initiatives undertook a research in 'Green roofs' for this identified environmental issue of the city.

Across the world 'green' roofs which include vegetated and insulated roofs have been successfully implemented for its environmental, economic and social benefits. In Pune there are very few buildings which have adopted these alternatives. The motivation behind undertaking this research project is to utilize the untapped roof spaces for its environmental and recreational benefits contributing towards sustainable urban growth.

Sustainability Initiatives presented a policy paper to PMC about 'Implementing Green Roofs in Pune'. As the research is complete, SI is now determined to work on a demonstrative project to raise an awareness and evaluate the benefits of 'Green Roofs' for Pune city.

Outreach programs at Sustainability Initiatives are all about reaching out to the community in order to spread awareness on Sustainability and bring about a change amongst people. Outreach programs at SI are diverse and in their own way bring about a change in peoples' mindsets and thus help begin the journey towards Sustainable Development.

Urban Street Design Guidelines submitted to PMC

Vk:a architecture has submitted the Urban Street Design Guidelines (USDG) to Pune Municipal Corporation.



Sustainability Initiatives was the Public Outreach Partner for this project and contributed by organizing activities to spread awareness for the project. Over 8000 opinion surveys were collected by SI to understand the citizens' perspective about the streets and its designing; which helped in validating and strengthening the proposed design recommendations. SI also conducted stakeholder consultations in association with VK:a and organised awareness activities in schools and colleges.

Road Safety Session for Children

Little Millenium Pre-school was helping SI to collect responses for the Urban Street Design Guidelines opinion survey. As children below the age of 10 years do not have the same ability to judge distances, speed, and noise direction of traffic and vehicles as teens or adults, it is very important to ensure that children are given a good understanding of basic street safety when they start walking around the local and city streets.

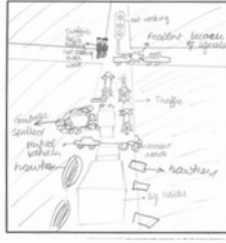
With this thought and enthusiasm, Ms Aboli Ruikar of Little Millennium encouraged us to collaborate and have a fun interactive session for children on 16th January, 2014. Ms Neelam Jadhav- Pune Traffic Police supported SI and made the presence of Pune Traffic Policemen possible to make the learning experience more exciting for children.

Through this session, we taught children about traffic rules and road safety with the guidance from Pune Traffic Policemen. The session included posters, Powerpoint presentation, videos and activities to make the pre school children understand the importance of being safe on the roads. Important rules and regulations like use of Zebra crossing, walking on footpaths; elements which students see everyday on their way to school; and necessity to follow traffic/ pedestrian signals were explained to the children.



Draw your Roads activity in Delhi Public School

Delhi Public School very enthusiastically participated in collecting the responses on the citizen survey for the Urban Street Design Guidelines. Everyone from the students, teachers and the staff members helped push this survey across the students' parents and contributed to the very good response received to this activity. Along with the survey, students were also



involved in a drawing activity where, the students were asked to draw anything that they remember from the everyday use of roads. The insights of the children were very interesting. Along with signals, pot holes and pollution, children also noticed the inconvenience on roads due to frequent repair works, absence of footpaths, non-working signals, etc.

Stakeholders Consultation for Urban Street Design

As part of the Urban Street Design a stakeholders consultation was held in association with V&A architecture to wholistically understand the perspectives of the different street users and their needs that should be considered while designing streets. The stakeholders invited for this



discussion were representatives of Pune Municipal Corporation (Road department & Garden department), Pune Mahanagar Parivahan Mandal Ltd. (PMPML), Pune Traffic Police, Cyclists, Pedestrians, Auto-rickshaw drivers, Senior citizens and representatives of the People with special needs community.

Part of Karve road was taken as a sample stretch for this consultation. SI team briefed the stakeholders about the project. Then each stakeholder was asked to share their problems and views while using the streets and

how they would like the streets of the future Pune city be. SI team members also explained the basic elements of any street. As part of the workshop stakeholders were asked to rearrange and allot areas as per their understanding for every street element like footpath, trees, medians, etc. The intention of this workshop was to make the stakeholders aware of the conflicts of ideas while planning and designing of streets while they place the demands.

Interactive Session on Designing Streets in the Heritage Precinct

As part of the Virasat Pune Heritage Festival 2014, Sustainability Initiatives organized an 'Interactive Session on Designing Streets in the Heritage Precinct' of Pune. The discussion aimed at understanding people's perspective towards Pune's heritage. The workshop began with a presentation depicting the state of the heritage streets in Pune city in comparison with those in other countries. The presentation was followed by a discussion with three different groups- each considering three different heritage streets.

The three streets that were considered in the exercise were-

- Parts of Bajirao Road and Shivaji Road encircling Shaniwar Wada,
- River-side Road (From temporary circus ground to Omkareshwar temple)
- Road stretch between Sarasbaug and Baburao Sanas ground



Each group discussed the various problems that were faced while using these streets and suggested their solutions for making better value of the streets and its heritage through proper planning. Google images and photographs of every street were given to the respective groups for better understanding. Further each group discussed their views and tried to give sustainable solutions for better functioning and managed streets. The groups comprised of PMC officials from Heritage Cell, Road Department, Architects, Developers, Students from Town Planning and other interested Citizens. The discussion was concluded with a presentation of the street design plan proposed by each group.

A & I Exhibition

The work done by SI was displayed at the A&I Digest Design exhibition in Pune on 7th January 2014. This was an annual Design Exhibition that features Architects, Interior Designers, Landscape Planners, Conservation Architects, Design Institutes and International Firms who share their projects and thoughts. This year a special section was introduced to showcase institutions and their work. SI projects were featured with special focus on the Street Design Guidelines project to create awareness about the necessity of such guidelines. Visitors were also encouraged to share their feedback through the public opinion survey for the same. SI's work was truly appreciated by all.



Heritage Cities Exhibition



An exhibition was organised as a part of the 'Indian Heritage Cities Network' fourth biennial conference.

This exhibition was displayed at Balgandharva Art Gallery from 20th to 22nd Nov, 2013. Sustainability Initiatives displayed the research conducted on the heritage core of Pune city during the 'Inclusive India- Re: Pune' project in this exhibition.

Site-visits to Green Buildings 2013-14

Under the outreach function, SI facilitates site-visits to green buildings and other environmentally sustainable projects. The visits are organized for students as well as professionals and are well coordinated to ensure that the visitors get complete knowledge of all the green building technologies and design features applied on the sites.

Following were the site visits conducted by SI in the year 2013-14.

Date	Site visited	Visit in-charge	Organization	Participant
02/28/14	Kirloskar Yamuna, Baner	Mr. Nishikant Ingle	BNCA	25
05/31/14	Suzlon One Earth Campus, Hadapsar	Mr Nitin Gurav	DY Patil college of Architecture/ VK:a Architecture	20
08/30/14	Oval Nest	Ms. Matouleibi Devi Chingshuam (VK:e environmental)	Symbiosis Institute of International Business's Masters in Energy and Environment	30
08/30/14	Orange Life	Mr Yash	Symbiosis Institute of International Business's Masters in Energy and Environment	30
09/12/14	Praj. Royal Orange County, SKF, Orange Life county	Mr.Vaibhav Dhongsale, Mr. Rohan Phadke, Mr.Sonigra	Symbiosis Institute of International Business's Masters in Energy and Environment	30





Bird Walk at Pashan Lake on Earth Day



Sustainability Initiatives and the Western Routes with support from Sanctuary Asia and the Earth Day Network joined hands to celebrate the Earth Day in Pune on the 22nd of April, 2014 by conducting a Bird Walk to the Pashan Lake. Pashan lake is a man-made lake which hosts a variety of wetland birds such as storks, ibis, kingfishers, cormorants, ducks, herons and tree birds like barbets, wagtails, great tits and many more can be seen around the lake.

Experts guided the participants to identify birds and also shared information about their habitats. Tree species were identified which particularly nest some species of birds. Participants were also made aware about the problems facing the lake and its surroundings – encroachment, human pressure, garbage, growth of weeds and invasive species and excessive eutrophication.

Such events are important and help us to understand our environment better and also know more about our co-inhabitants on the planet. More than 30 participants that included amateur bird watchers, students of environment science and enthusiastic citizens interested to know more about the ecology of the city attended this walk.



Pre-Earth Day Event at Cool Gurukul Summer Camp

SI organized a workshop in 'Cool Gurukul Summer Camp' at Little Millennium school (Baner Branch) for educating the children about the importance of a healthy earth. The workshop aimed at spreading awareness about the environmental issues to the children and how they can contribute for better future, starting at a young age.

The workshop started with a short video for children on environmental protection. The video emphasized the need of protecting the different species that we share the planet with and that, it is our duty to conserve and protect the animal, bird and insect species to maintain an ecological balance.



With the approaching summers, we can observe that not just humans but animals and birds also feel the heat and are affected due to the lack of food and water. In the second part of the activity, children were taught to make a bird feeder out of empty juice cartons and ice cream candy sticks. Through this interesting activity, kids learned about recycling and reusing waste materials, and were also encouraged to help the birds by keeping food and water for them.

Environment Day



Sustainability Initiatives in collaboration with BHOOMI aimed to put forth the issue of declining population of the Great Indian Bustard and its conservation. Dr. Pramod Patil, a conservationist and "Vasundhara Sanman" Award winner was the guest for this event. The program included Audio-Visual Presentation of some of the old and recent footage of Great Indian Bustard.

Dr. Patil who is also a member of the Bustard Conservation Task Force shared information about the species, reasons for its decline, the conservation strategies and how we as citizens can contribute to the conservation efforts.

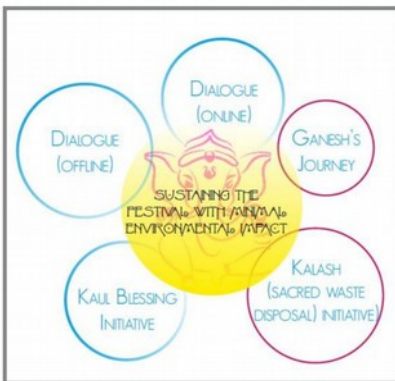
19th ASEF Summer University on Sustainable Urbanisation in Heritage City

Sustainability Initiatives was associated with 19th ASEF Summer University on Sustainable Urbanisation in Heritage City held on 19-21 August 2014 at Symbiosis International University, Lavale, Pune.

The Asia-Europe Foundation (ASEF) is a not-for-profit intergovernmental organisation located in Singapore. It promotes understanding, strengthens relationships and facilitates cooperation among the people, institutions and organisations of Asia and Europe. ASEF enhances dialogue, enables exchanges and encourages collaboration across the thematic areas of culture, economy, education, governance, public health and sustainable development. The ASEF Summer University (SU) is a two week annual project run by the Asia Europe Meeting (ASEM) members countries and offers a platform for students and young professionals to analyse, exchange best practices, and to collaboratively develop proposals and solutions for contemporary challenges in Asia and Europe.

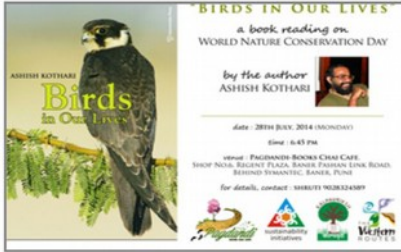
AU19's core objective was to create a solution-centred platform for discussion and intercultural collaboration to develop concrete proposals and deliverables on the subject of urbanisation and protection of cultural heritage.

As part of the program, the participants were introduced to Pune heritage and sustainable issues within the city. Sustainability Initiatives had initially done research on solid wastes generated during Ganesh Festival in Pune for which it was invited to discuss the same with the participants of this program. SI member Ms. Poorva Keskar presented about Ganeshutsav in Pune and the issues pertaining to generation and disposal of dry wastes during the festival. SI member Anuja Gokhale accompanied the group to meet some Ganesh Mandal representatives and help them understand the scale of the festival celebrations in Pune. Ar, Poorva Keskar in association with Ms. Manjiri Bhalerao mentored one of the groups working on topic: 'Traditional festivals and sustainability.' The group then worked on solutions and presented a model of a mobile app that connects Pune citizens with Ganesh Mandals and other stake holders promoting eco-friendly ways of festival celebration.



Nature Conservation Day

In the walk of awareness on Conservation, Sustainability Initiatives organised a book reading session at a popular book cafe, Pune. The session was organised in association with The



Western Routes, Pagdandi Book Chai Cafe and Kalpavriksh on the occasion of World Nature Conservation Day. Ashish Kothari from Kalpavriksh read the book "BIRDS IN OUR LIVES" which is an account of the various birds in India and their conservation. He gave an interesting talk on ornithology through Indian history, birds and Indian economy, migratory birds and extinction of species and efforts for their conservation and read parts from the book related to these topics. Mr Kothari also showed some pictures of rare birds from his book in a

slide-show presentation. After the reading session, Mr Kothari also interacted with the audience and shared experiences about habitats and conservation of birds and other animals. The reading was attended by other authors, writers, avid readers and nature enthusiasts.



Capacity Building

Sustainability Initiatives takes a keen interest in organizing seminars and conference to create awareness and impart information about topics related to sustainability, energy efficiency and environment conservation.

Disha: Making careers in Environmental Management and Sustainability

Sustainability Initiatives Partnered with Ekconnect Knowledge Foundation, Mumbai to organise a career guidance seminar 'Disha' in Pune. 'DISHA' was a two-day programme that focused on guiding students and young professionals for making careers in Environmental Management & Sustainability. The programme particularly aimed students and young professionals from environment related courses and who wish to pursue careers related to Environment and Sustainability. The speakers for this programme were experts from the industry and environment sector, and also included presentations by potential employers.

The Chief Guest of the programme was Mr. Pramod Chaudhari, Founding Chairman & MD, Praj Industries. Expert speakers and panelists from EcoAxis Systems Pvt. Ltd, ACWADAM, BVP College of Architecture, Tata Motors, Forbes Marshall, Customized Energy Solutions, IL&FS, TUV, Oikos, TQMS, Infosys and others participated in the programme to guide and interact with the students.



Do you have a zest for green?

Disha

Making Careers in Environmental Management & Sustainability

Pune, India
on 21st & 22nd January, 2014

at Karmaveer Institute of Foreign & International Management Studies
Pune (Maharashtra, India)
Hosted by Ekconnect
Pune - 411 004

Lead by
Dr. Pramod Chaudhari
Founding Chairman & MD, Praj Industries

Chief Guest
Pramod Chaudhari
Founding Chairman & MD, Praj Industries

Meet & interact with experts from
ACWADAM, BVP College of Architecture, Tata Motors, Forbes Marshall, Customized Energy Solutions, IL&FS, TUV, Oikos, TQMS, Infosys and others

Register online: www.ekconnect.net

Fee	Students	Non-Students
Before January 15, 2014	Rs. 1200	Rs. 2000
After January 15, 2014	Rs. 1500	Rs. 2500

Partners

Organized by



Day 1
Making Careers in Environmental Management & Sustainability: Panel discussions with successful professionals as well as prospective employers

Day 2
The Eko-School: Training program by established professionals and academicians from relevant sectors



Workshop on "Green Home" @Karmakonsum Green Festival

SI organised a workshop at the Karmakonsum- Green Festival for participants to analyse their own homes for comfort. If homes are made comfortable using passive means, it will mean a substantial reduction in energy use by appliances like fans, air conditioners and lights. The workshop was a basic primer in climate analysis of homes, a very non-technical presentation of a highly expert driven analysis.

SI member Ar. Pranati Shroff conducted this workshop at the Karmakonsum Green Market.



Seminar on "Sustainability In Living Spaces" at IL&FS



As a part of the Sustainability Awareness Program (SAP) at Infrastructure Leasing and Financial Services (IL&FS), SI member Ar. Anagha Paranjape- Purohit interacted with the employees of IL&FS and gave a short presentation on "Sustainability in Living Spaces".

The objective of the seminar was to share the experience of practicing professionals on green and sustainable living in offices and homes- Practices which can be followed without compromising on the comfort of living.

5th GRIHA Regional Conference- Shaping Sustainable Future 'Policy Actions for Development' at Nashik

It was an immense joy for Sustainability Initiatives to have successfully organized the two-day 5th GRIHA Regional Conference in Nashik Engineering Cluster on 7-8 Nov, 2014. The Conference was organized in association with ADaRSH (Association for Development and Research on Sustainable Habits), a secretariat jointly set up by Ministry of New and Renewable Energy (MNRE) and The Energy and Resource Institute (TERI).

The sessions marked the significant environmental aspects like Energy Conservation Building Codes, Eco-Tourism for Sustainable Development, Environmental Technologies for Buildings and Environmental Clearances for Construction Projects.

Eminent speakers such as Mr. Rajan Rawal, Mrs. Kishori Gadre, Ar. Pradeep Sachdeva, Ar. Sanjay Prakash, Ar. Priyanka Kocchar, Ms. Mili Majumdar and Dr. Rajesh Biniwale shared their experience and contribution towards sustainability. Thought-provoking panel discussions were led by respected panelists- Dr. Dhananjay Gandhe, Mr. Tejas Chavan, Dr. Omprakash Kulkarni, Ar. Hrishikesh Kulkarni and Ar. Anagha Paranjape. The participants also involved themselves with crucial questions and suggestions. We hope that innovative approaches would keep arising and the implementation of ideas may not just remain as an anticipation, but will comply in years to come.



Developed Training Content on 'Thoughtful Cooling – Cooling interiors efficiently and sustainably'

Sustainability Initiatives worked as a consultant in developing training content for cBalance Solutions Pvt. Ltd. which is a knowledge- centric solutions hub that specializes in Tool Building and Strategy Development for integrating Carbon ERP into institutional process and enabling measurable, reportable, and verifiable GHG Emissions, Energy, Water and Waste Mitigation. SI co-ordinated with the team of in-house environment experts as well as some practicing consultants to work on the course modules for cBalance Solutions Pvt. Ltd. for the topic related to 'Thoughtful Cooling – Cooling Interiors efficiently and sustainably'.

One Day Seminar on Renewable Energy Aurangabad

SI was given a mandate by MNRE to conduct an awareness program on Renewable Energy. This one day seminar was conducted in Aurangabad on 31st October at Hotel Atithi. The seminar received a good response from over 60 participants from the field of engineering, architecture, urban planning, real estate and academics.

This seminar gave an insight into various available renewable energy technologies, different systems for making energy efficient buildings and policy and financial incentives available for its installation.

The seminar was supported by Aurangabad Municipal Corporation(AMC), CMIA, IIA & CREDAI. The topics mainly covered aspects about solar, solar and wind hybrid systems, biofuels in transport sector, waste to energy, renewable energies for green buildings, and scope of fuel cells. Ar. Poorva Keskar, Ar. Hrishikesh Kulkarni, Mr. Amar Chakradeo, Mr. Shyam Dande, Mr.Pranay Kosambia, Mr. Neeraj Kothari and Mr. Sanjay Nandre representing reputed organisations like V:k:e environmental, V:k:a architecture, h2e power systems, Apar Urja, Orange County were the speakers for this seminar.

Mr. Atul Save, MLA Aurangabad,Mr. Dilip Thorat, Chairman of Standing Committee AMC,Mr. Sunil Patil, President, CREDAI Aurangabad, Dr. Bansode ,CMIA Aurangabad were the dignitaries present for the inaugural session.





Speakers for the 2 Day Conference were -

Ar. Vijay Sane (Partner VKu:urban), **Ar. Sharad Mahajan** (Founder member of Mashal.Practicing Architect- Planner), **Ms. Priyanka Kocchar** (Sr. Programme Manager, ADaRSH, Delhi), **Ar. Hrishikesh Kulkarni** (Director, I. H. Engineered Elements Private Ltd, Pune, Director (Partner) at VK:a architecture, Pune), **Ar. Sulkshna Mahajan** (Consultant Urban Planning, Housing issues at Mumbai Transformation Support Unit (MTSU) Mumbai.), **Dr. Santosh Deshmukh** (Chief Coordinator, Sustainability, Jain Irrigation), **Ar. Girish Doshi** (NAVAKAR Architects, Pune), **Ar. Poorva Keskar** (Director (Partner) at VK:e environmental, Pune and ECBC Master Trainer), **Ms. Mili Majumdar** (Director, Sustainable Habitat Division, TERI. Professional with specialization in energy efficiency and development of sustainable habitats.), **Mr. Nilesh Kelkar** (Sales Leader – IBM Smarter Planet), **Mr. Sai Venkateshwar Reddy** (Senior Support Specialist at Intergraph India), **Mr. Avinash Gadekar** (Deputy Manager (Technical), SGI Studio Galli Ingegneria S.p.A.), **Mr. Mayur Katkar** (Deputy Manager (Technical), SGI Studio Galli Ingegneria S.p.A.), **Ar. Rajesh Phadke** (Chief Architect Planner, GIFT city, Gujrat), **Dr. Madhusudhan Chaudhry** (Head, Water supply Projects, Jain Irrigation)

Advocacy is a very crucial function of Sustainability Initiatives, where we take efforts to address current and future policies of the Government. One of the main objectives of Sustainability Initiatives is to guide governmental and semi-governmental departments in policy making through expert driven research and analysis.

Pune DP Hearings

Pune Municipal Corporation (PMC) published the Draft Development Plan 2007-2027 on 27th March, 2013 to get public responses through suggestions and objections. Sustainability Initiatives did a detail study of the Development Plan and submitted a list of suggestions and objections to PMC. Representatives of SI justified their views about published Development Plan when PMC had invited the citizens for hearing of their objections and suggestions. In the next stage, SI worked closely with Aaple Pune in 7 member committee of PMC which worked for the revised DP.

Pune DP still became quite controversial and State Government had to take the charge for its revision. SI continued with its study of revised DP and worked on the options for DP proposals. SI co-ordinated with activist groups and experts from the field of architecture, transportation, urban planning to get their opinions about some recommendations in proposed DP. SI then worked out an agenda for some recommendation within DP like simplification of Development Control Rules, mapping of environmental features (hill tops, hill slopes and flood lines), and defining planning unit. It worked in detail about the impact of proposed extensive road widening in core city, and 4 FSI within metro zone on the development of the city and broad level alternative policies for the same. In the report SI also strongly recommended town planning schemes, area development plans, use of planning norms for social infrastructure, plan for non-uniform housing density etc.

The complete document for suggestions and objections is available for download on our website.

Further to this, Sustainability Initiatives studied in details about the changes in reservation of the revised DP and critically commented on the feasibility of developing the reservations.

Auto DCR for PMRDA

Pune Metro Regional Development Authority came into existence in May 2014. It will look into development of Pune Metro region comprising of mainly PMC, PCMC, Dehu and Kirkee Cantonment, and some municipal corporations. Sanctioning of projects and preparation of development plans for these areas is now assigned to PMRDA. PMRDA is now in a stage of preparation development rules and guidelines, setting up organisational framework and taking the charge of the projects.

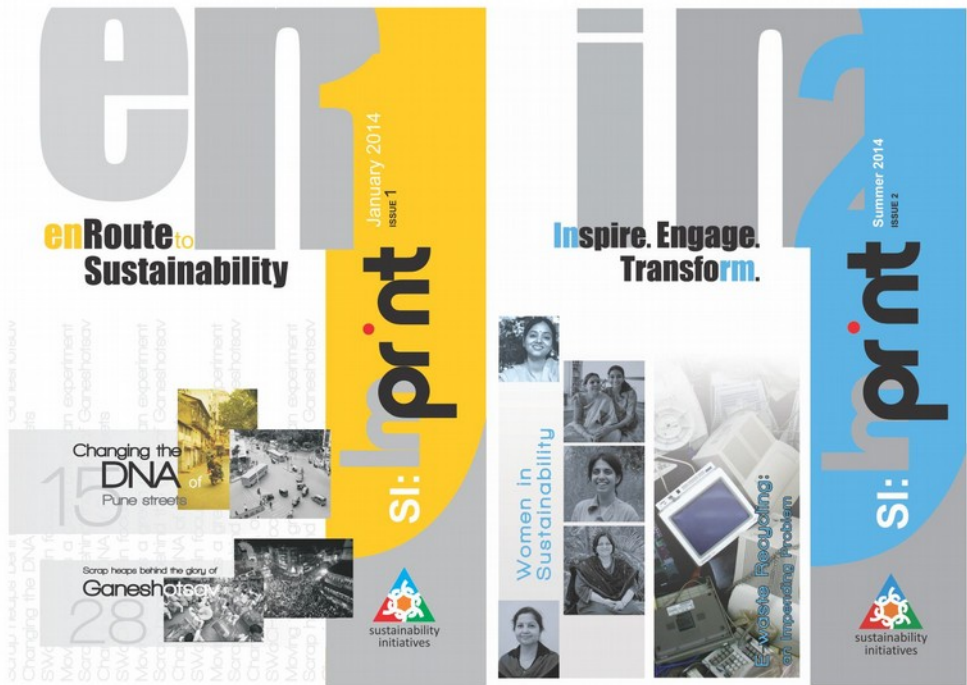
In this regard, with active role of the CEO of PMRDA, initiative of automation of DCR is being done. Sustainability Initiatives provided its expertise in the field of architecture to the assigned IT company for this project of Auto DCR. It worked with the representatives of the IT company and explained them the building regulations and helped to put the text in the format required for their working for preparation of the software program.

SI:Imprint

SI launched its newsletter SI:Imprint at the GRIHA Summit on 17th Jan 2014 in New Delhi. The newsletter aims to help keep SI members and associates engaged in the activities under the trust and encourage contribution and support for the same. SI:Imprint was conceived with a motto to spread sustainability knowledge across various disciplines and bring vertical hierarchy distribution through dissemination of knowledge.

The publication thus covers a variety of subjects and brings to its readers; analysis and approaches to sustainability in different sectors. The newsletter also gives an insight into the various initiatives taken by SI to contribute to sustainable urban development, environmental planning and capacity building.

Along with initiatives taken by SI, the newsletter also covers current issues relevant to the urban context and study them to put forth views on behalf of SI. The aim of the newsletter is to reach a wider audience base and stakeholders working in the field of environmental design, planning, urban development and social awareness thereby encouraging more people to contribute towards sustainability.



SI and People

SI Memberships

Until October 2013, SI had 10 professional and 48 student members. SI Membership offers an unique opportunity to connect with like-minded people to develop ideas and concepts on sustainable built environment, urban planning, environmental awareness and sustainability in general. It offers a platform for professionals as well as students to network and develop ideas on sustainability concepts. Students, professionals, academicians, retirees, business owners or individuals from any sector who are interested in contributing to or pursuing careers in the fields of sustainability, environment and energy can become a member of SI.

Benefits to members:

- Opportunities to initiate and lead projects in association with SI
- Guidance for academic/ research projects
- Learning sessions, networking events, meetings with professionals, etc. for career development
- Subscription to SI magazine- SI:Imprint
- Discounts at SI events/ workshops and for SI publications
- Discount in membership fees for SI:KRIS the online resources library
- Paid/ unpaid opportunities for students to volunteer/ intern with SI

SI Website

SI launched its website (www.sustainability-initiatives.org) on the occasion of World Environment Day on 5th June 2012. The website was created and designed by the SI team and included details of all the past and ongoing projects of SI. In due course of time we thought that the website should be more simple, informative and attractive. Our new website, reconfigured in August 2013, sports a new look that is simpler and attractive and gives ease of access and information about all our projects and activities. The events feature on the new website helps update the visitors on the upcoming events and activities of SI.

SI Facebook page

SI has created its Facebook page to increase its outreach to the community. Through the Facebook page, we can reach a larger audience and stay connected to them on a daily basis. Updates about SI activities, events as well as empowering of citizens through sharing various initiatives is made possible through this page. The Facebook page is helping SI to connect to individuals, other organizations and government officials across the world.

SI:Links

SI runs an active internship program under the name SI: Links to mentor students looking for practical experience along with core technical learning. We provide them an opportunity to work on on-going projects and interact with our partner organizations and professionals during their project assignments.

Apeksha Patil, Fergusson College, Pune



I did my internship at Sustainability Initiatives after completing my masters in Environmental Sciences. Here I worked on the outreach activities of Urban Street Design Guidelines project for Pune and for designing an online Library- Knowledge repository. It was a wonderful experience to learn and work with people for different fields working for sustainability. I then joined SI as Assistant Coordinator in March 2014. Now I assist in organising activities and conducting projects under SI.

Kanako Ide, Yokogawa Electric Corporation, Tokyo, Japan (2014)

It was great working in SI. Here I researched mainly on e-waste in Japan and traffic system of Pune and also did a study on Metro System of Japan which might be useful for the Pune Metro System which is planned to be introduced very soon. I could also experience a site visit of green building and participate in Green Festival, 'Karmakonsum' that deepened my knowledge for my articles. I was very stimulated through working with people in SI.



Kohei Notake, Kanagawa University, Yokohama, Japan



I'm Kohei Notake from Yokohama, Kanagawa, Japan. I belong to the Kanagawa University and study Chemistry. As part of my internship I worked at Sustainability Initiatives, Pune for one month. After reading about the work that SI does, I wished to work and learn about Energy efficiency. It was very interesting to learn about the energy consumption in India and Japan. I compared total energy use of appliances in Japanese house and in Indian house during the study. The research enhanced my knowledge in the subject as well as English. On my last day at SI I gave a short presentation about my work to my colleagues. I learned how to do business communication and what is working in foreign country. I enjoyed my stay in Pune and it was fun working at SI. I wish to come back to Pune.

Dinah Gengmei, Bharati Vidyapeeth Institute of Environmental Education and Research, Pune

After pursuing a post graduate in Environment Science, I joined Sustainability Initiatives as an intern. I got to learn about Green Buildings and its rating system. I had an opportunity to work and help for the 5th GRIHA Regional Conference 'Shaping Sustainable Future- Policy Actions for Development'. I thank Sustainability Initiatives for the opportunity and exposure. The whole learning experience broadened my knowledge base.



Associations

This journey of SI was made possible with the association of various organizations. SI has associated with various organizations from time to time for different events and projects. It is through such associations that it was possible for SI to successfully organize the activities listed in this publication.

The various organizations that SI has associated with since November 2011 are:

Aapla Parisar	Janwani
Architects, Engineers & Surveyors' Association (AESAs)	Kushal
College of Energy, Environment and Sustainability (CEES)	Maharashtra Energy Development Agency (MEDA)
College of Environment & Planning Technology (CEPT)	Mrityunjay Ashram Trust, Phaltan
CREDAI- Pune Metro Region	Nashik Municipal Corporation (NMC)
CREDAI- Nashik	Pimpri Chinchwad Municipal Corporation (PCMC)
Dr. B N College of Architecture for Women (BNCA)	Pune Municipal Corporation (PMC)
Fergusson college & Envision Club	Pune Mahanagar Parivahan Mahamandal Limited (PMPML)
Green Rating for Integrated Habitat Assessment (GRIHA)	Sprout: Greening Design
Indian Institute of Architects (IIA)	The Energy and Resources Institute
Indian National Trust For Art and Cultural Heritage (INTACH)	The Royal Institute of Arts (KKH)
Indian Society of Lighting Engineering (ISLE)	The Western Routes
Indo-Italian Club for Infrastructure and Building (IICIB)	VK:a architecture
Jalgaon Municipal Corporation, Jalgaon	VK:e environmental
Aurangabad Municipal Corporation, Aurangabad	VK:i interiors
Chamber of Marathwada Industries & Agriculture, Aurangabad	The Energy and Resources Institute
CREDAI, Aurangabad	Green Buildings Rating System India: GRIHA
Maharashtra Energy Development Agency	College of Architecture, Jalgaon
Gandhi Research Foundation, Jalgaon	CREATIVE Group, Jalgaon
	Indian Institute of Architects, Jalgaon
	Sa Gachhaddhwa Sa Wadadhwa Seva Santha Samuh, Jalgaon
	Jain Irrigation System Ltd, Jalgaon



sustainability initiatives

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