



Sustainability Initiatives

Sustainability Initiatives is a Charitable Trust Registered under
The Bombay Trusts Act, 1950 in Pune Region, India

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Sustainability Initiatives

Annual Report

2016-2017

Sustainability Initiatives

About us

Sustainability Initiatives is a not-for-profit organization based in Pune. It is formed by a group of like-minded professionals in the field of urban and environmental planning, architecture, environmental science, geography and energy. Sustainability Initiatives is formed with the objective of creating a network of researchers, academicians and professionals who will develop core research in the area of environment and energy.

Sustainability Initiatives works in the area of Advocacy for government policy. We undertake research and analysis of government policy and provide studied opinion on the benefits and issues related to government policy. In this area, we handhold government departments and provide them the necessary resources to conduct specific research to guide policy making. Our detailed and expert research on the Development Plan for Pune and our studied opinion on the Development Control Rules for the city have been widely appreciated.

We also work in the area of Knowledge creation, conducting research that is used for quality publications. Our efforts to create Urban Street Design Guidelines for Pune have gained appreciation at various levels. We have a quarterly Newsletter, SI:Imprint, where we showcase interesting projects in the areas of urban environment planning and management.

We conduct numerous training programmes, conferences and seminars to disseminate knowledge to a wider audience. We have conducted trainings and conferences on Green Buildings in Pune, Mumbai, Nashik, Jalgaon, Aurangabad and Nagpur. Professionals in these cities continue to connect with us for sharing and gaining knowledge about environment and buildings.

Sustainability Initiatives is a platform where people from all fields can come together, collaborate and celebrate environmental action in our cities. We always look forward to connecting to bright and enthusiastic people and offer our resources for any positive action for environment. The functional areas of Sustainability Initiatives have emerged through identification of existing gaps.

There is a severe gap in availability of quality research that is specific to India and India's growth trends and potential. Further, there is a massive gap between academic research and professional applications. Similarly, government's capacity to conduct research and analysis for effective policy formulation is also weak, leading to ineffective policy implementation. Advocacy will be a cornerstone functionality that is being explored at Sustainability Initiatives. Through the services for Advocacy, Sustainability Initiatives aims to support governmental departments and similar bodies to carry out targeted research and analysis for decision making.

Our work can be categorized under five heads namely

- Research
- Capacity Building
- Outreach
- Advocacy
- Publication

The SI Team



Anagha Paranjpe- Purohit
Trustee



Poorva Keskar
Trustee



Hrishkesh Kulkarni
Trustee



Apoorva Kulkarni,
Trustee



Pranati Shroff- Munot
Core member



Namrata Dhamankar-Jadhav
Core member



Amol Umbarje
Programme Coordinator

SI Foundation Day

Sustainability Initiatives celebrated its 4th Foundation Day on 30 December 2015. 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. Sulakshna Mahajan and Ar. Sharad Mahajan were the special guests for this evening.

The SI Annual Report 2014-2015 was released on this occasion at the hands of Ar. Sulkshna Mahajan and Ar. Sharad Mahajan.

'KRIS – Knowledge Repository and Information System' was also launched. Ar. Dwaipayan Chakravarty of SI explained about the concept and intention of designing KRIS. Ar. Prashant Shah was invited as a guest to share about the concept of having Rcube Store.

Ar. Sulakshana Mahajan presented on 'Sustainable Development by explaining about cluster development and transit oriented development in particular. On the occasion of the foundation day, SI team also had interactive session with the experts to get their guidance for planning the future course for SI. SI team could spend time and interact with the SI members on this evening.



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.

BRTS Research

Three esteemed organizations namely INHAF , SI and NCM have come together to formulate a research study to highlight the lessons to be learn from experience of implementing BRTS in Pune and Ahmadabad. Its an research team lead by Urban Planner Nikhil Mijar and guided by stalwarts like Ar. Anagha Paranjape Purohit, Ar. Poorva Keskar, Major General SCN Jathar, Dr. Kirti Shah, Neeta Chalke Pawar and Ar. Sharad Mahajan. The research narrates the story of Bus Rapid Transit System in both of these cities and comes out with findings which are relevant for other aspiring Indian cities. Along with secondary data stakeholders opinion surveys of 1000 sample size have been conducted with help of COEP interns and currently expert interviews are being conducted.



Sustainability Initiatives released the book 'Green Footprints of Pune'

Sustainability Initiatives released the book 'Green Footprints of Pune' on 2nd February 2017 at the Inaugural ceremony of the Pune Heritage Festival and Urban Heritage Symposium in YASHADA Pune. The book recognizes the numerous efforts of many individuals and organizations who have made a remarkable contribution towards "Urban Sustainability" through their work across Pune. From Green Buildings to Garbage management, this book can inspire us towards taking up Greener Lifestyle. The book publishing was graced by the Chief Guest of Honor Dr. Nitin Kareer, Principal Secretary, Urban Development Department, Government of Maharashtra. Guest of Honor, Shri. Kunal Kumar , PMC Commissioner and Chief Guest Ms. Abha Narain Lambah. A soft copy of the book is also available on the PMC official website.



Energy Audit on the occasion of World Environment Day

World Environment Day is celebrated every year all over the world on 5th of June 2017. This year Sustainability Initiatives Trust along with VK:e environmental, celebrated this day by taking an initiative to conduct an Energy Audit at Warje – Karve nagar Ward office of Pune Municipal Corporation. Energy is one of the major inputs required for the economic development of a developing country like ours. Saving one unit of electricity means saving two units of at the generation plant, considering all losses. Hence it is of utmost importance to save energy to the best possible extent. The audit was conducted under guidance of Certified Energy Auditor, with the help of Volunteers. The motive of the initiative is to create more awareness and demonstrate the benefits of energy auditing and energy conservation on occasion of World Environment Day 2017.



Outreach

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.

Workshop on making Eco friendly Ganesha with Mamata Foundation and Anagha Purohit - Paranjape at katraj.

Mamta Foundation, a charitable trust working for the rehabilitation of HIV +ve children and women and Anagha Paranjape-Purohit, Trustee of Sustainability Initiatives conducted a workshop for making eco-friendly Ganesha using clay on 1 September 2016. Keeping with the spirit of all Hindu traditions and rituals which aim to make us more aware of nature, the eco friendly Ganesha idols were made to be given to some key influential people in Pune so that there is a commitment to celebrate Ganeshotsav in an eco friendly way this year.

The children enjoyed the experience of making the idols and everyone was pleasantly surprised when children's creativity and talent was showcased in making beautiful and Ganeshas. Anagha Paranjape-Purohit, made an appeal to many Pune-kars to celebrate this year's Ganeshotsav in an eco friendly way.



Participation in Vana-Mohotsav at Smriti Vana, Warje

The Government of Maharashtra has declared the first week of the month of July i.e., 01-07-2016 to 07-07-2016 as Vana Mahotsav. On this occasion the Forest Department along with the Social Forestry Department took up an initiative of planting 2 Crore trees on 1st July 2016 all over Maharashtra. Sustainability Initiatives, has worked towards spreading awareness regarding the same. The plantation activity required participation from the citizens in large numbers. SI Pune gathered representatives from all sections of the society. This activity was carried out in Smritivan at Warje. The location was nominated by the Government of Maharashtra. SI Pune was successful in planting 250 trees by a total of 128 members who actively took part in the event. Kudos to everyone who was a part of the event!!



Sustainability Initiatives organizes a visit to 'Suzlon One Earth' for DYPSOA students

Sustainability Initiatives organised a site visit for the students of Dr. D Y Patil School of Architecture. The students are pursuing the Masters of Environmental Architecture programme at DYPSOA. The visit was organised on 20th August 2016. The students were given a tour of the building by Mr Nitin Gurav of Suzlon. He explained the sustainable architecture principles on which the building is built by renowned Architect Christopher Benninger.

The students could experience the amazing architecture that responds to climate. They were also shown the various environmental services in the Suzlon Campus like Organic Waste converter and Renewable Energy Systems.

The students also saw how the Building Management system manages the campus in a most efficient manner. The Suzlon Campus is a LEED Platinum and GRIHA 5 Star Rated project in Pune.



Sustainability Initiatives organizes a visit to 'Green Buildings for Symbiosis MBA Energy & Environment (SIIB) students

Under the outreach function, SI facilitates visits and experience in Green Buildings. One such site visit was organised for the students of Symbiosis Institute of International Business (SIIB), who are pursuing their MBA in Energy & Environment.

The visit was organised on 17th September 2016 to SKF Corporate office at Chichwad, Oval Nest Residential Housing Society at Warje and Royal Orange County Residential Complex at Rahatane. The students were given a tour of the building by consulting experts and Building Managers of the above projects. They were explained the sustainable architecture principles on which the building is built by the Architect. They were shown the environmental services installed for the project, like Organic Waste converter, Renewable Energy Systems, Rainwater Harvesting techniques and Energy and water monitoring systems that are integrated in a Green Building project.

The students also saw how the Building Management System manages a Green Building campus in a most efficient manner. The Royal Orange County project is a LEED Platinum and GRIHA 5 Star Rated (Pre certified) project, The SKF corporate office in a LEED Platinum Rated Building and Oval Nest project in a IGBC green Home Platinum Rated in Pune.

VK:e environmental are the Green Building consultants who have guided all Green measures in these building projects.



Celebrating World Environment Day 2016

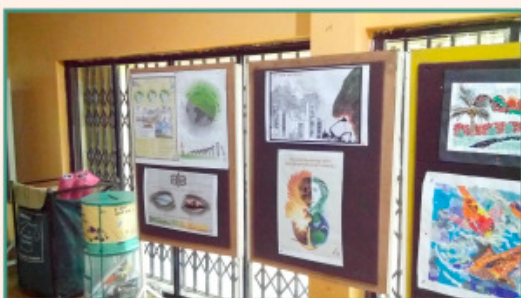
Sustainability Initiatives celebrated World Environment Day on the 6th of June 2016. Three activities were planned for the day, on the lines of Create, Contribute and Participate. The office was divided into 14 teams. The theme of the competition was- Ideas for a better environment through:

1. Awareness
2. Conservation
3. Any element (eg: water, air, soil, fuel, etc)

The posters were required to carry some text or a slogan as well as a small write explaining the concept or idea. There were three winning entries which got printed, distributed and displayed at various schools and government organizations. The winners of the competition were- Team Amber won the first prize, Team Beige won second prize, the third prize was given to two teams- Team Ivory and Team Burgundy and Team Maroon won special mention.

The second activity was simple yet noble- the act of donation. It is believed that one person's trash is another one's treasure. Everyone at the office was asked to donate used toys, books for all group of age. Clothes in good condition, were also accepted as part of the donation process. All the clothes collected were then donated to Goodwill India.

The third activity that Sustainability Initiatives planned was carpooling or using public transport on the 6th of June. Less fuel consumption and lesser pollution was the agenda for the day. Everyone at office was urged to either use carpooling with other office mates or use public transport, walk, bicycle to work. Lot of people carpoolled to work, some cycled and used the public transportation for traveling that day.



Green Society Competition

Rotary Club Pune Gandhi Bhavan with Sustainability Initiatives, Pune Municipal Corporation and other organizations launched a competition for Green Societies in Pune. With this aim, the Green Societies Competition is launched to encourage more and more people to Go Green. Launched Date- 5th Nov 2017 at Gandhi Bhavan.



Sustainability Initiatives organizes a visit to Green Building for Vishwakarma Institute of Information Technology students

Under the outreach function, SI facilitates visit and experience in Green Building. One such site visit was organised for the students of Vishwakarma Institute of Information Technology, Pune. The visit was organised on 11th March 2017 to Oval Nest Residential Housing Society at Warje. The students were given a tour of the building by consulting experts and Building Managers of the above project. They were explained the sustainable architecture principles on which the building is built by the Architect. They were shown the environmental services installed for the project, like Organic Waste converter, Renewable Energy Systems, Rainwater Harvesting techniques and Energy and water monitoring systems that are integrated in a Green Building project. The students also saw how the Building Management System manages a Green Building campus in a most efficient manner. Oval Nest project in a IGBC green Home Platinum Rated in Pune. *VK:e environmental are the Green Building consultants who have guided all Green measures in these building project.*



Raddi Collection Drive, 2016

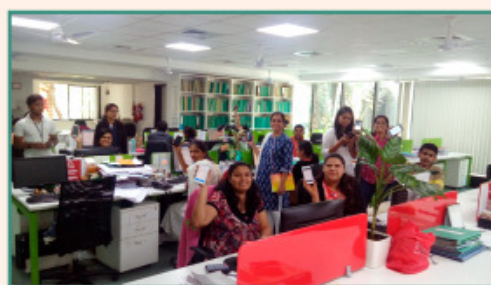
Sustainability Initiatives team is glad to announce our new venture with Maitri Foundation which works for the Health and Education of Tribal children of Melghat, with just a simple and easy act such as **"Donation of RADDI!"** Raddi collection is one of the fund raising activities, Maitri Foundation have been doing it for many years. Deposition and collection of the RADDI (Newspapers, books, Magazines, Office waste papers) was conducted in Sustainability Initiatives on the 5th and 6th of October 2016. Large amount of Raddi collected by Sustainability Initiatives was donated to them. By selling the Raddi, Maitri foundation will be able to provide health care, run a teaching support class, give a bag full of books for a library, will be able to organize a 4-day education camp in one village for Tribal children of Melghat.



A Swachhta App download drive

Pune city is a part of the program 'Swachh Suvakshan-2017', which is announced by Ministry of Urban Development. It was launched to assess and rank 500 cities and towns based on levels of sanitation and efforts made by respective urban local bodies to maintain cleanliness.

The Ministry released a mobile application (App) to help these 500 cities and towns to prepare for the survey to be conducted in January 2017. Sustainability Initiatives supports this program of MoUD and to help in the effort of cleanliness, organized 'A Swachhta App download drive'. The participating organizations included VK: a Architecture, VK: e Environmental, VK:i Interiors, VK:u Urban, Resilient Cosmeceuticals Pvt. Ltd, GeneSupport and GeneOmbio Technologies Pvt. Ltd. And their employees. On Friday 23 December 2016, the employees of the above organizations downloaded the 'Swachhta App', assisted by a team of volunteers and Ms. Swati Pednekar. The team of SI encouraged everyone to use the App to report dirty areas in the city and become a catalyst in making Pune Clean. Every employee actively participated in this activity to make Pune a clean and healthy city.



Sustainability Initiatives celebrated National Pollution Control Day

The National Pollution Control Day is celebrated every year on 2nd of December in India in order to give the honor and memorialize the thousands of human beings who had lost their existence because of the Bhopal gas calamity. As a contribution to such awareness, SI has organized two days activities in the VK: architecture office, Resilient, Genesupport, GeneOmbio. On 1st December Employees were asked to get the PUC Certificates for their respective vehicles. On 2nd December in order to consume less fuel to create less pollution, employees were requested to come to office by public transport or walking or by sharing a car/bike. Active participants from the various teams were rewarded. Another activity of E-waste collection had been organized with the help of NGO named SWaCH in order to proper disposal of electronic waste. This activity had been conducted for a week. On 2nd December SI has organised a presentation on the awareness of E-waste management.

Dr. Vishnu Shrimangle from SWaCH had enlightened us on the problems arising due to improper handling and management of E-waste all over the world. The presentation and documentary films were eye opening.



Tree plantation Drive

1st July 2017, Green Initiative by Forest Dept of Maharashtra, supported by Sustainability Initiatives and FSAI (FIRE & SECURITY ASSOCIATION OF INDIA). 310 participants voluntarily planted near about 1300 saplings at Ramtekdi, Hadpasar, Pune. SI volunteers, Employees of VK:a architecture, VK:e environmental, VK:i interiors, VK:u urban, Resilient Cosmeceuticals, Genesupport, GeneOmbio, School children, FSAI Members, FSAI Student Chapter members, few senior citizens & a group of mentally challenged students of Navkshitij Foundation and students of Mamta foundation were participated in the activity. Everyone was enthusiastic & truly feeling the lines.... PLANT A TREES...PLANT A LIFE.



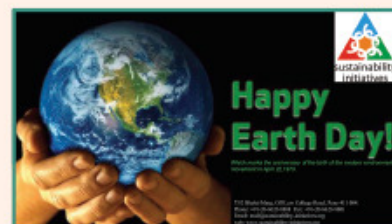
Celebrated World Water Day

On the occasion of World Water Day, Sustainability Initiatives and Environment department, Pune Municipal Corporation, Pune had organized site visits to sewage treatment plants (STPs) of Pune Municipal Corporation (PMC). About 80 students and faculties from various colleges and employees of VK:e environmental attended these site visits. Further, the participants visited and observed various components and processes of municipal STP Near Rajaram Bridge. This STP of 32 MLD capacity is set up to treat the sewage before its release in the Mutha River and the treatment is based on activated sludge process.



Celebrated Earth Day

The Earth Day is celebrated every year on 22nd April, which marks the anniversary of the birth of the modern environmental movement in 1970. As Saturday (22nd April) is weekly off, We celebrated this year's Earth Day on 21st April, Friday at VK:a architecture, VK:e environmental, VK:i interiors, VK:u urban offices. As a contribution to such awareness, Sustainability initiatives had organized the Earth Hour activity where, all employees of VK:a architecture, VK:e environmental, VK:i interiors, VK:u urban were asked to switch off Lights, Fans, AC, Mobile Charger, Printers, Plotters and any other electronic gadgets including the coffee machines in the office and we also shut the Elevators from 10:00 AM to 11:00 AM. To celebrate the EARTH HOUR! More over, based on the fantastic feedback from the activity Sustainability initiatives has taken a pledge today on this Earth day that we will contribute by completing 12 Earth hours, 1 hour every 3rd Friday of the month starting from April 2017 till March 2018.



Celebrating World Environment Day 2017



Sustainability Initiatives in association with VK:a architecture, VK:e environmental, VK:i interiors, VK:u urban, FSAI celebrated World Environment Day on the 5th of June 2017. An activity was planned for the day, on the lines of Create, Contribute and Participate. Sustainability Initiatives had organized the Poster Design Competition activity where all employees of VK:a architecture, VK:e environmental, VK:i interiors, VK:u urban, FSAI were divided into 14 teams.

The theme of the competition was- Ideas for a better environment through:

- 1.Pune Waste Management
- 2.Use of Natural Energy
- 3.Pune Waste Management
- 4.Fire Hazards at Workplace

The posters were required to carry some text or a slogan as well as a small note explaining the concept or idea.

Sustainability Initiatives organizes a visit to Green Buildings for Symbiosis MBA Energy & Environment (SIIB) students

Under the outreach function, SI facilitates visits and experience in Green Buildings. One such site visit was organised for the students of Symbiosis Institute of International Business (SIIB), who are pursuing their MBA in Energy & Environment.

The visit was organised on 8th September 2017 to Oval Nest Residential Housing Society at Warje, Royal Orange County Residential Complex at Rahatane and Siyona Residential Housing Society (on-going Project) at Punavale.

The students were given a tour of the building by consulting experts and Building Managers of the above projects. They were explained the sustainable architecture principles on which the building is built by the Architect. They were shown the environmental services installed for the project, like Organic Waste converter, Renewable Energy Systems, Rainwater Harvesting techniques and Energy and water monitoring systems that are integrated in a Green Building project.

The students also saw how the Building Management System manages a Green Building campus in a most efficient manner. The Royal Orange County project is a LEED Platinum and GRIHA 5 Star Rated (Pre certified) project, The Siyona project is a pre certified GRIHA under 4 star rating and Oval Nest project in a IGBC green Home Platinum Rated. VK:e environmental are the Green Building consultants who have guided all 'Green measures' in these building projects.



Awareness program on E-Governance

11 August 2017, Sustainability Initiatives organized awareness program on E-Governance by Mr. Suraj Pol, CEO of Deepstambh Foundation, Pune for employee of VK: a architecture, VK: e environmental, VK: i interiors, VK: u urban and some other NGO members.



Celebrated the launch of the book Environmental Management towards Sustainability

Book launches in 2017 have made this year truly memorable for Sustainability Initiatives. Saturday evening (23rd December 2017) at SI (Sustainability Initiatives) office, SI team along with VK:e environmental had the privilege of hosting Dr. Prasad Modak of Environmental Management Centre to celebrate the launch of the book *Environmental Management towards Sustainability*, authored by him. Apart from this technical book, Dr Modak gave the audience glimpses of his two forthcoming books that are compilations of his Blog posts.

The evening saw Dr. Modak narrating 2-3 of his blogs and regaling everyone with interesting anecdotes from his years of advising governments on Sustainability.

It was a nice interaction with some of the stalwarts of Sustainability like Ar. Hrishikesh Kulkarni, Ar. Poorva Keskar, Ar. Anagha Paranjape -Purohir, Mrs. Apoorva Kulkarni of Sustainability Initiatives, Pramod Chaudhary of Praj, Rajendra Shende of UNEP, Anand Chinchalkar of World Bank, Rahul Datar expert in Environmental Management, Prashant Shah of R Cube, Sudhir Chavan, Neeta Chalke and Kirtee Shah of INHAF and many other illustrious guests.



Sustainability Initiatives organizes a visit to 'Yamuna Kirloskar Corporate Office' for DYPSOA students

Sustainability Initiatives organised a site visit for the students of Dr. D Y Patil School of Architecture. The students are pursuing the Masters of Environmental Architecture programme at DYPSOA. The visit was organised on 25th November 2017.

The students were given a tour of the building by Mr Babu of Yamuna Kirloskar Corporate Office. The students could experience the amazing architecture that responds to climate. They were also shown the various environmental services in the Yamuna Kirloskar Corporate Office like Organic Waste converter and Renewable Energy Systems. The students also saw how the Building Management system manages the campus in a most efficient manner. The Office is a IGBC LEED Platinum Rated project in Pune.



Sustainability Initiatives and FSAI celebrated the "National Pollution Control day" this december by appealing people to use methods to control pollution.



The poster features a dark, smoky background. At the top left is a green circular icon with a white hand. To its right, the text "PLEDGE FOR POLLUTION CONTROL" is written in large, bold, yellow and white letters. Below this, the text "On the occasion of National Pollution Control Day * 2 December 2017" is displayed in red and black. To the right of this text are the logos for "sustainability initiatives" and "FSAI". The main body of the poster lists five environmental actions, each with a small icon and a brief description. At the bottom, there is a section titled "How to Participate in the PLEDGE FOR POLLUTION CONTROL" with six numbered steps. Below this is contact information for Amol Umbarje and Bhushan Pathak. A small footnote at the bottom explains the significance of National Pollution Control Day.

PLEDGE FOR POLLUTION CONTROL

On the occasion of
National Pollution Control Day *
2 December 2017

Sustainability Initiatives & FSAI would like to appeal to take this
PLEDGE FOR POLLUTION CONTROL today and bring it into action. The following Environmental Actions
are recommended to reduce the load of pollution caused due to our lifestyles on the Environment.

- Act to Reduce your Household Chemicals**
Products that you use in your home can contain toxic ingredients that cause environmental pollution and compromise your health. Make a complete shift to using eco-friendly or herbal cleaning products in your home.
- Act to Reduce your Private Vehicle Usage**
The environmental impact of transport is significant because transport is a major user of energy, and burns most of the world's petroleum. This creates air pollution and is contributor to global warming. Estimate your private vehicle kilometers and shift to alternative modes like Riding a Bus or a Bicycle to reduce the mileage.
- Act to Replace Old bulbs with LED**
LED lights are up to 80% more efficient than traditional lighting such as incandescent lights. Less energy use reduces the demand from power plants and decreases greenhouse gas emissions. Change all the old Incandescent and CFL lights in your home and replace them by LED lights
- Act to Reduce Use of Water**
Water stress is a truly global issue affecting over one billion people today, and an estimated 3 billion in 2020. Conserving water is a priority. Fix water aerators to all your water faucets to achieve considerable water savings.
- Act to Reduce your Waste**
The Organic Waste that we generate in our homes is a great source for converting into useful manure. This, not only reduces our pollution load, but also saves emissions into the atmosphere. Establish an organic waste system for your home to convert your food waste into manure.

How to Participate in the PLEDGE FOR POLLUTION CONTROL

1. Select any one Pledge listed above.
2. Inform SI/ FSAI about your Pledge via email on or before 9 December 2017, or by filling a form
3. Work out an Action Plan to put the Pledge into Action
4. Keep all records/proofs (receipts/photos/video) to show how you are sticking to your Action Plan
5. On 2 February, after two months, we will validate if you have achieved your PLEDGE.
6. Continue this 'changed habit' to generate more and more savings and less and less environmental pollution due to your lifestyle choice!

For More Details, Contact:
Amol Umbarje | M: +91 8956410999 | +91-20-6626 8888 | Email : aumbarje@sustainability-initiatives.org
Bhushan Pathak | M: +91 9881144386 | +91-20-6626 8888 | Email : punechapter@fsai.in

* The National Pollution Control Day is celebrated every year on 2nd of December in India in order to give the honor and memorialize the thousands of human beings who had lost their existence because of the Bhopal gas calamity. It was identified as the biggest industrial pollution disaster of the history worldwide, which needed serious preventive measures suddenly in order to stay away from such type of disaster in the future.

www.sustainability-initiatives.org www.fsai.in

Walk for Good Governance

Sustainability Initiatives, in partnership with Deepstambh Foundation, organized Walk for Good Governance on the occasion of Good Governance Day from Shaniwar Wada to Vidhan Bhavan, Pune on 25th December 2017.



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.

One- Day Seminar on 'Energy Efficient Buildings: Moving towards Net Zero'

Successful One- Day Seminar on '**Energy Efficient Buildings: Moving towards Net Zero**' on 28th January 2016 at Nagpur. Sustainability Initiatives organized "One- Day Seminar on 'Energy Efficient Buildings: Moving towards Net Zero' on 28th January 2016 at Nagpur was a successful Event! We had good number of registrations from Nagpur, Pune and Architecture / Engineering Colleges from Nagpur for the Seminar. Chief Guest of Honour for the Seminar Mr. Anil Sole , MLC Nagpur and Guest of Honour Mr.Parmjeet Ahuja, Chairman, IIA Nagpur Chapter, Mr. Prashant Sarode, President CREDAI, Maharashtra, Ar. Poorva Keskar, Director (Partner) VK:e environmental, Pune and Ar. Anagha Paranjape- Purohit, Director (Partner) VK:e environmental, Pune were present at the Seminar.

Speakers of Seminar –

Mrs. Priyanka Kocchar, ADaRSH (GRIHA) – **Case study of Indira Paryavaran Bhavan**

Ar. Anagha Paranjape-Purohit, VK:e environmental – **Green Building Rating Systems and Energy Efficiency**

Mr. Rumi P Engineer, Godrej – **Innovative ideas for integrating Renewables in Buildings – Reducing Energy Demand**

Ar. Poorva Keskar, VK:e environmental – **Energy Conservation Building Code and Road Map for Maharashtra – Policy Mechanism**

Mr. Neeraj Kothari, Orange Country – **Case Study of Orange County: a Residential Complex in Pune**

Mr. Vivek Gilani, C balance – **Climate Justice and the Built Space: Designing low carbon buildings using India Specific Tools**

Mr. R S Kulkarni, HVAC Consultant – **Case Study of using Alternative Cooling Technology – Radiant Cooling**

Mr. Dilip Lele, Kaushal Solar – **Use of Renewable Energy & Net Metering in Maharashtra**



Celebrating Devrai – The Sacred Groves, on occasion of World Forestry Day

Sustainability Initiatives celebrated World Forestry Day and World Water Day on 21st March 2016. Our guest for the evening was Ms. Ketaki Ghate, who interacted with SI members for more than two hours on the subject of Forests! Mr. Amol Umbarje, welcomed all the guests and participants. Ms Ketaki Ghate presented her talk on the subject of “Devrai” – The Sacred Groves of Maharashtra. She spoke about overall efforts of tribal communities to conserve these hundreds of old rich forest patches, which are essential for our ecosystem. Ms. Ketaki also presented their own work in this area and enriched the participants with so many anecdotes about their interaction with tribals and villagers working for the Sacred Groves.

The evening was full of images of these beautiful and rich forests which form an important natural resource of our Mother Earth. Ms. Ketaki also implored all the participants to become stakeholders in conserving Forests, by just start loving one tree in their respective neighborhoods. She asked everyone to start observing its foliage, its changes, the birds that inhabit it and generally start mindfully acknowledging trees around us. She believes that even a simple act like this, can go a long way in conserving forests in India. Ar. Anagha Paranjape- Purohit concluded the event with a concluding note and thanked Ms. Ketaki Ghate, guest and participants for being a part of the event.



EIA Workshop for Dy. D. Y. Patil School of Architecture

Sustainability Initiatives conducted a workshop on Environmental Impact Assessment (EIA) for the Architectural students of Dy. D. Y. Patil School of Architecture, Pune. The workshop organised on 24th September 2016. Participant were benefited by experts including , Mr. Bhushan Bhalerao, Mr. Dhairyasheel Patil, Mr. Mandar Kulkarni and Mr. Amol Umbarje under the guidance of Ar. Anagha Paranjape - Purohit talked about the basic of EIA study, evolution of EIA and the process of assessment. The aim of the workshop was to build awareness regarding Environmental issues and Environmental Impact Assessment. In this workshop introducing the participant to process of Ecology and EMP and Social Impact Assessment for EIA.



Ex – Country Training on Green and Energy Efficient Construction Technologies for Ministry of Works and Human Settlement, Royal Govt. of Bhutan

Sustainability Initiatives organised Ex – Country Training on Green and Energy Efficient Construction Technologies for Ministry of works and Human Settlement, Royal Govt. Of Bhutan. The training organised on 9 May to 11 May 2016. Participants were benefited by experts including, Ar. Poorva Keskar, Ar. Anagha Paranjape–Purohit, Ar. Kanchan Sidhaye, Ar. Ketaki Rairikar-Karmarkar and Mr. Aniket Bandale. Introduction and relevance of Green Rating Systems, Site planning, Water and Waste management, Green Building Materials, Passive Design and Planning, Thermal comfort & IAQ, Energy Conservation were the key topics covered in the Training Sessions. A few exercises and an examination was also conducted at the end of the training along with an interactive session.

SI also organized a one day site visit to Green Building site under construction at “Puneville” – a Residential project by Benckmark Realty Pvt. Ltd (Pharande Spaces) at Punawale, Pune.



Pune Heritage Festival Inaugural Ceremony and Symposium on Urban Heritage

It gives us great pleasure to inform that Sustainability Initiatives partnered with Janawani and Intach in organising the sixth edition of Pune Heritage Festival 2017, where we collectively organised the Inaugural Ceremony of the Festival along with a Urban Heritage Symposium in YASHADA Pune on 2nd February 2017. The Festival started as a people’s movement to generate civic pride and a sense of belonging through better appreciation of Pune’s valuable heritage. This year nearly 40 organizations of heritage value came together to offer wide range of activities to engage people with heritage. In this spirit the inauguration Ceremony was planned with a ‘Symposium on Urban Heritage’ which was graced by the Chief Guest of Honor Dr. Nitin Kareer, Principal Secretary, Urban Development Department, Government of Maharashtra, Guest of Honor, Mr. Kunal Kumar , PMC Commissioner and Chief Guest Ms. Abha Narain Lambah. The Symposium too was very well appreciated, the participants and speakers were Mr. Rajiv Patel, Mr. Sarang Yadwadkar, Mr. Shyam Dhavale, Ms. Malini Krishnakutty, Ms. Shubhada Joshi, Mr. Shirish Kembhavi.



Technical Seminar on Sustainable Infrastructure Design for Smart Cities

It gives us great pleasure to inform that, Sustainability Initiatives is partnering with FSAI and Bharati Vidyapeeth college of Engineering in organized Technical Seminar on Sustainable infrastructure Design for Smart Cities, Presented by Dr. Rupesh Iyengar, (Chairman at ASHRAE Singapore Chapter) at VK: architecture office, Pune on 31st March 2017. The seminar was attended by about 70 participants. The participants included professionals such as engineers, architects, planners, academicians, consultants etc.



National CSR Conference on 15th August 2017

Art of Living Foundation and Social Responsibility, in association with, Sustainability Initiatives, organized A National CSR Conference for NGOs and Corporates on 15th August 2017 at Pandit Bhimsen Joshi Kalamandir, Aundh in Pune. The conference was inaugurated by the Chief Guest Mr. Girish Bapat, Guardian Minister of Pune. Other dignitaries and luminaries present at the event included Mr. Popatrao Pawar, Social Activist; Mr. Chandrakant Dalavi, Divisional Commissioner, Pune Division, Mr. Hanumantrao Gaikwad, CMD of BVG group, Mr. Krushnakumar Goyal, Kohinoor group, Mr. S.R. Joshi, DeAsara foundation, Mr. Harshal Vibhandik, Rambhau Mhalagi Prabodhani and Mr. Vijay Waware, CSR Head- Tech Mahindra Foundation. SI trustee Ar. Anagha Paranjape - Purohit was one of the speakers at the Conference and she spoke on the role of NGOs in civil society and how to measure the success of an NGO's work.

The book 'NATE SAMAJYASHI - 501 NGO's introduction' was launched at the conference. The book is a compilation of information about 520 NGOs across Maharashtra. The book recognizes the tremendous efforts and the power of NGOs who have made a remarkable contribution for Society. The purpose of this Conference was to bring together, on a single platform, all the NGOs and the possible CSR funding companies and facilitate interaction. The conference was a beginning toward developing this partnership.



Training on Use of Energy Simulation Software for Symbiosis MBA Energy & Environment (SIIB) students 2016

Sustainability Initiatives conducted Training on Use of Energy Simulation Software for the students of Symbiosis Institute of International Business (SIIB), who are pursuing their MBA in Energy & Environment at Pune. The training organised on 9th September 2016.

Participants were benefited by experts including, Ar. Ketaki Rairikar-Karmarkar and Ar. Namrata Bhagawat, under the guidance of Ar. Anagha Paranjape - Purohit talked about Introduction to climatic zones of India and its characteristics which can be understood with the help of various simulation software such as Eco tect, radiance, IES etc.

Training has been conducted to explain the use of these software during the design stage of building as well as to estimate overall energy performance of the building. Software can be used as a tool to analyse various passive design strategies such as orientation, solar radiation, solar shading availability, shading device, daylight availability etc. Some glimpses of Energy simulation software has been given to student to make them familiar with various types of output the tool can offer and can be useful while taking design decision for the building. Also presented a case study to showcase how software has been utilized in order to design energy efficient and climate responsive building design



Training on Use of Energy Simulation Software for Symbiosis MBA Energy & Environment (SIIB) students 2017

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Participants were benefited by experts including, Ar. Anagha Paranjape – Purohit, Ar. Kanchan Sidhaye, Ar. Ketaki Rairikar-Karmarkar and Er. Kunal Gujarathi, talked about Introduction to climatic zones of India and its characteristics which can be understood with the help of various simulation software such as Eco tect, radiance, IES etc.

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2 Days State Level Workshop on NGO Capacity Building

The workshop was inaugurated by Chief Guest Mr. Vinay Sahasrabuddhe, Rajya Sabha MP and President of Rambhau Mhalagi Prabodhani. Other dignitaries and luminaries present at the inaugural session included Mr. Vishwanath Karad, Founder, MIT Group, Pune; Mr. Ravindra Dhariya, Trustee Vanrai; Mr. Shekhar Mundada, Art of Living; Dr. Shailaja Haridas, Associate Director, MIT School of Gov, Pune; Mr. Vijay Warudkar, Social Responsibility, Pune. SI's Trustee Ar. Anagha Paranjape – Purohit attended the Inaugural function of this workshop.

About 500 NGO's Representatives across Maharashtra attended the two day proceedings of the Workshop. The purpose of this Workshop was to bring together, on a single platform, all the NGOs and to empower them through networking and interaction amongst themselves and the experts.

Speakers for the Workshop included:

1. Mr. Amay Joshi – Deepstambha Foundation, Pune
2. Ms. K.S. Jadhav – Asst. Charity Commissioner, Pune
3. Mr. Kulkarni – Income Tax Officer, Pune
4. Mr. Pranjal Joshi – CA, Pune
5. Dr. Avinash Sahuji – Prayas Foundation, Amaravati
6. Mr. Sarang Jagtap – Mantralaya, Art of Living, Mumbai
7. Mr. Hanumantrao Gaikwad – BVG India, Pune
8. Mr. Abhay Karadeguddi – Karwak

The closing ceremony of the workshop was on 3rd December evening and Dr. Vishwambhar Chaudhari, Environmental expert and Social activist and Dr. Ravi Kasabekar graced the occasion.



Advocacy

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.

Sustainability Initiatives participated in Smart city competition

Pune smart city development corporation Ltd.had invited all the citizens to participate in the international ideas competition to "Re-imagine Sinhgad Road" in Pune city.

The competition was launched in July 2016 under 'Make Your City Smart' under the Smart city mission. Sustainability Initiatives in collaboration with WPM participated in the same and got selected in first 10 shortlisted entries out of 60 odd entries. In the final round , the proposal was presented before a jury of experts and senior PMC officers.

Re-imagining Sinhgad Road



For
'Make Your City Smart'
Contest, PMC
Aug 2016

By
collaboration
of

WALTER P. MOORE

Conceptual Riverfront Design Competition for Pune RiverFront

Jeevitnadi-Living River Foundation in association with Sustainability Initiatives, Pune organised a 'Conceptual Design Competition for Pune Riverfront'. It was one of the activities planned for 'Muthai 2016' a weeklong event which was organised to celebrate 'India River Day' which was on 28th November. We had invited students of architecture and planning to give design solutions to these vibrant and ecologically sensitive banks of the river, to give conceptual design solutions to Re-establish this connect between the 'communities and river', 'bio-diversity and river', 'history, culture and heritage with the river.' Let's help river, revive its ecological functions and make our rivers – 'Jeevitnadi' a Living River! Mr. Rajendra Singh (Water Man of India) distributed prizes to the winner.



Session on Integrated Environment Clearance process

18th July 2017, Sustainability Initiatives organized a session on Integrated Environment Clearance process for the officers of PMC to give them an insight into Environment Clearance processes. This program was organised in joint association with PMC's Environment Department headed by Mr. Mangesh Dighe. Ar Anagha Paranjape-Purohit conducted this session for PMC senior and junior officers. Senior PMC officers Mr Y Deshmukh and Mr S. Bonala were present during the presentation and gave valuable insights to the process. In this session EC committee member of PMC, Shri. V. Gunale, Trustee of SI, Ar. Poorva Keskar and representative of VK:e environmental, Mr. Ajinkya Pathak were present.

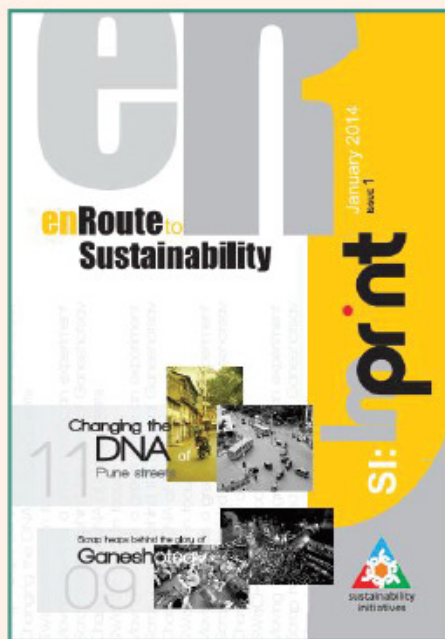


Publications

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. 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.



Sustainability Initiatives creates a Map for & IGBC rated Green Building Footprints of Pune

Sustainability Initiatives initiated to create a handy map that locates, lists and provides information on the Gold & Platinum IGBC Rated Green Buildings in Pune. This map was released at the Inauguration function of the Green Conclave by CII in Pune on 30th November 2017 in Hotel Westin, Koregaon Park, Pune.

The Map locates all the Green Buildings on Pune's geography and provides information as each of these buildings. This is an attractive medium of information sharing that can be accessed by lay persons to know about the Green Building initiative in Pune. This publication recognizes the numerous efforts for many teams of these Green buildings who have made a remarkable contribution towards Sustainability through iconic building design.

The map publishing event was at the hands of the dignitaries and officials of CII and IGBC and included Mr. J. P. Shroff, Chairman, IGBC Pune Chapter; Mr. Shrikant Bapat, Green Conclave Chairman and Convenor; Mr. Nitin Chalke, Chairman, CII Pune Zonal Council, and N. Srinivas, Dy. Executive Director CII.

SI team members, Ar. Poorva Keskar, Ar. Anagha Paranjape – Purohit, Mrs. Apoorva Kulkarni, Ar. Namrata Dhamankar and Mr. Amol Umbarje were present, along with SI Interns Ms. Namrata Shinde, Ms. Nikita Deshpande, Mr. Hiroshi Yoshinaka and Mr. Kouhei Yamada.



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. SI worked closely with Ms. Kshipra Potdar of Cubist to host interns from Japan in India. This is to foster Indo- Japanese ties and to provide a forum for Japanese professionals and students to learn about India.

Kosuke Yoneyama, Kanagawa University, Japan (2016)

I attended this internship program in Sustainability Initiatives and planned new bus depot in Pune. The project of the depot is stimulated for me, because between Pune and Tokyo have many difference especially traffic circumstance. So at first I confused with this problem, but members of SI assisted me to think about planning depot with discussion. The program gave me a lot of experience, I am sure of that the experience will take me on the next step.



Mayu Harada, Yokohama City University, Japan (2016)



It was great experience to work in SI. I searched that the traffic issues caused by festivals in Pune through my internship term. I analyzed the traffic situation in Pune and the solution for making it better through the fieldwork. It was not easy for me, but I could suggest the issues from foreigner's view. I learned many things here; how to find the problem, planning skill and importance to be energetic. I am still a still student, but this experience absolutely will be a big help in my college life and my future.

Miyuki Kobayashi, Yokohama City University, Japan (2016)

I'm a student of Yokohama City University and learning sociology and economics. I did my internship at SI for a month. I'm interested in urban issues and development. Here I researched urban issues such as housing problem and community development for creating better city. I got deep knowledge and saw the real situation in Pune. Through the internship I got opportunity to work in foreign language and totally different surroundings. There are experts of various field in the office. I got a lot of idea from them and it was so interesting. This experience gave an inspiration for my career.



Nupur Kulkarni, Savannah College of Art and Design, USA (2016)

My experience work with Sustainability Initiatives has been great. I'm a trained architect so working with SI was a different role that I had to play. I had the opportunity to work under a competition project organized by the Pune Municipal Corporation. Here, I could use my architectural skills to design a solution for the existing problem. I learnt a lot about what goes into the design while Along with the competition project, I was a part of an interesting project that SI is doing. SI is developing a book titled, "Green Footprints of Pune". The book acknowledges works of individuals and organizations, who have worked towards the betterment of the environment, through sustainable means. This was a different project that I was a part of. I learnt a lot about the kind of work that is happening in Pune in terms of creating a better environment.



Nanami Toyoda, Yokohama City University, Japan (2016)



I was working at SI for 1 month. It was great time. I belong to the course of international corporation and area studies in Yokohama City University. I researched the traffic problem in festival and suggest this solution in SI. I went to many field work and I was impressed on differences from Japan. I was interested in my major and India than before. I want to study urban planning more professional, make use of this knowledge and work in the future.

Chandrakant Bandagar, MSW Walchand college, Solapur (2016)

I did my Block Placement Training at SI after completing my master of social work. It was a great working experience in SI. Here I worked on BDP (Bio-diversity Park) project in Bavdhan area, Pune. It was a wonderful experience to learn and work with peoples working for BDP project with SI. Thank you to given opportunity work with SI. I wish to come back to Pune and work with SI.



Ishwar Dattatraya Pingale, MSW Walchand college, Solapur (2016)

I did my Block Placement Training (BPT) sustainability initiatives (SI) at after completing my master of social work. It was a great working experience in SI. Here I worked on BDP (Bio-Diversity Park) project in Bavdhan area, Pune. It was a wonderful experience to learn and work with people for different fields working for sustainability. The whole learning experience broadened my knowledge base. Future policy actions for development I Thank you to given opportunity work with SI. I wish to come back to Pune and work with SI.



Koichi Nakagawa, Tokio Marine Nichido, Japan (2016)



It was great experience to work in SI. I'm working in Insurance Company in Japan. So Pune's traffic situation was much shocking for me (so high risk). In the internship, I tried to make few suggestions about two topics. 1. How to build safety traffic networks, 2. How to create clean and sanitary city. Of cause the situations are difference in each Country. But the responsibility and aims by politics are same, so my suggestions composition are comparing with Tokyo. During the internship, I realized for my poor English skills. It was very hard to describe own ideas and opinions. So I keep trying hard for English after the internship. I'm so appreciate to all of member in SI for giving me the chance to work at completely deferent situation, language, culture. I wish to have a chance to come SI also Pune again.

Supriya Eadke, MSW Walchand college, Solapur (2016)

After pursuing a post graduate in Master of Social Work I joined Sustainability Initiatives as an intern. I had an opportunity to work on BDP (Bio-diversity Park) project. I thank Sustainability Initiatives for the opportunity and exposure. The whole learning experience broadened my knowledge base.



Hisashi Fujisato, Tokio Marine Nichido, Japan (2016)

I'm working for insurance company in Japan "Tokio Marine" as an assistant manager and I had worked at SI for two weeks as an internship. I was investigating how to decrease carbon footprint and much interested in "Pune Bus Day", the day which everyone in Pune used buses for commuting. As I investigated, I became to think that I want to contribute even a little to SI and Pune. I sincerely thank SI for this opportunity and experience, and I love kind SI's members and Marathi. The days I spent in SI were very impressive and will be stimulating me, I think, forever.



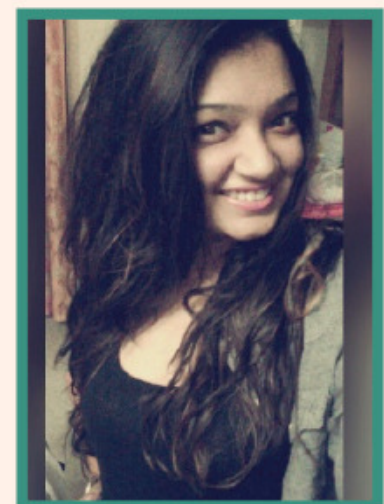
Yoshida Tadahiro, Japan (2017)



I worked here for 2 months and I studied about garbage problem and traffic in Pune. As for garbage, maybe you think Japan is a clean country and there is no problem, but in fact we have these problem as well. We incinerate garbage and bury garbage in the sea. We emit dioxin from incineration and create sea pollution. But who notice? It's invisible to citizens. Like this, it's difficult to find social problem in my country. We are good at concealing these problems. The work experience in SI arouse my interest about these social issues because in India we can find social problems easily on the street and river so on. We, people in advanced countries, have to think more about environment. This experience made me notice that. Thank you.

Madhuri Gehani, India (2017)

I did my internship at sustainability initiatives after my first year of masters in environmental architecture. I got the opportunity to work on different projects like Green building its rating, audit calculations, green building footprints map and bringing out the new ideas for different projects. I am glad that I was given full freedom to bring out my calibre of working. I learned and enjoyed my work at SI. It all broadened my knowledge.



Richard Shadrach Bernardo Kpehe , West Africa (2017)

As a foreign student at College of Environment Education and Research Institute, Bharati Vidyapeeth Deemed University (BVDU), I have some years of working experience in both private and government entities, as a master student, working with SI was my first internship experience ever and is no doubt that they have prepared me and added more knowledge my experience. I will ever remember SI and I wish I have the opportunity to stay in India and join this loving and caring Organization. Their human relation cannot be overemphasized. Today, I am confident that I can better serve in any organization especially environmental or sustainable organization like SI.



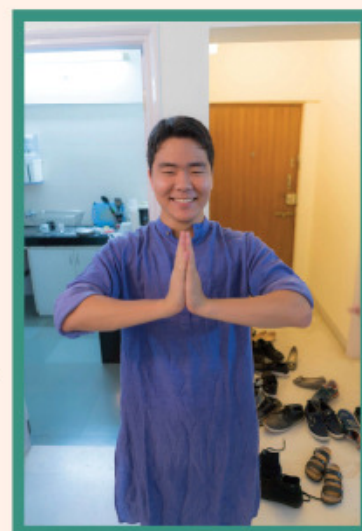
Ryosuke Nagai Nihon university ,Chiba Japan (2017)



My name is Ryosuke Nagai come to Chiba I belong to the Nihon university and study Chemistry and education, I worked for sustainability initiatives a month in internship I compared and verified the differences between Japan and India based on the environmental status report (ESR) As I looked it up, there were lots of differences between Japan and India In Japan, for example, people often use railways, but the means of transportation at Pune was a bus, rickshaw However, the number of vehicles in Pune is increasing and exceeding the allowable range of the road, so it is necessary to complete the metro early In this way, we need to solve various problems in order to develop Pune I would like to return someday to know more about Pune.

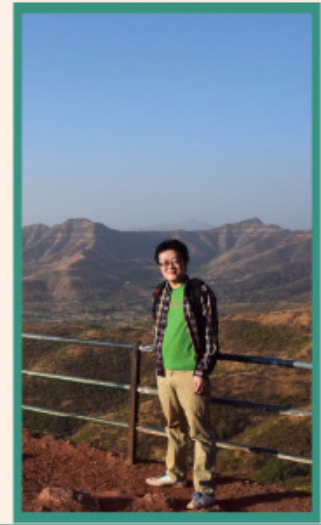
Hiroto Ohtsuka, Nihon University, Chiba, Japan (2017)

I worked at Sustainability Initiatives as internship for a month. When I arrived at Pune, I was surprised by traffic congestion. Two days later, I started to work at SI and my assignment is to compare road construction in Japan and India. I decide to suggest what should road construction do to decrease congestion. I studied various aspect techology of pavement, i-construction(- Japanese Ministry of land, infrastructure and transport promote) and color pavement. I visit construction site of flyover and discuss with Supervisor. I got a great experience from these things in SI.



Masamitsu Saito, Japan (2017)

I was happy to learn Green Building and do a project through this opportunity in SI. The experiences actually increase awareness for me regarding environment. Especially, I tried independently to arrange and visit sites of Green Buildings in order to research them. They welcomed and explained me the buildings despite the sudden visit. This experience was a big thing for me. I feel and remind that it is important to communicate people directly with enthusiasm. I have learned and experienced a lot and very much enjoyed to work with SI even it was only a short time. So I would like to use this experience in some way and will do my best for the future.



Nobuaki Nishiura, Japan (2017)



I'm Nobuaki Nishiura. I'm from Japan. I'm working in a life insurance company in Japan. I came to SI for two weeks. In this training, I belonged to SI and analyzed and reported to increase employee satisfaction of VK group. The analysis result was a very good group and company with high employee satisfaction. I was able to spend time with a wonderful kind colleague. Two weeks was fun and short. I was able to study Indian culture, work environment, work way of thinking. I am grateful that I was able to participate in the training at a very wonderful company. I also would like to participate in training at Pune, SI, VK group.

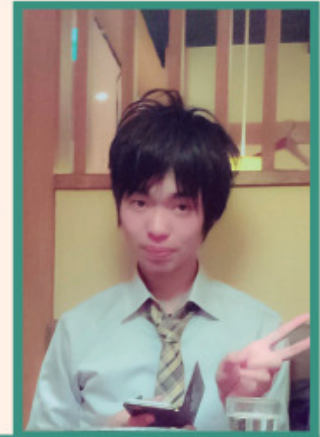
Shin Oshiba , Japan (2017)

This training was precious time and experience for me. I could grow up as touch. I carried out research about water stream for environmental issue as a part of Pune Smart City Project. Understanding landscape of stream and interview of their circumstances for living people , and then proposal of how to use there and questionnaire were performed. This is first time for me to work environmental issue, so I am not sure my working is how useful for people in Pune. But I believe this research will be one of your help of case study for further improvement of Pune water stream. I am glad to participate in this project and I hope water stream will be beautiful when I come back to Pune at next time



Takuya Ohno, Nihon university, Chiba, Japan (2017)

I did my internship at Sustainability Initiatives. Here I researched Sewage treatment plant in Pune. I thought there is room for the further development of Indian water environment. Numerous technologies have already been established. Therefore. I felt what kind of technology to adopt is important. I thought that many low costs Sewage treatment plants are necessary than high quality Sewage treatment plants. I was very stimulated through working with people in Sustainability Initiatives. It was a precious experience for me.



Atsushi Kobayashi, Tokio Marine & Nichido Fire Insurance CO.,Ltd.,Tokyo, Japan(2017)

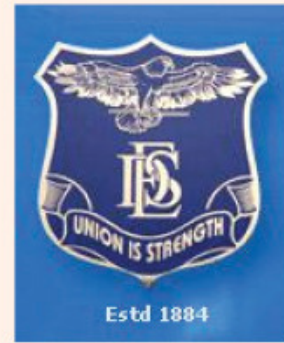


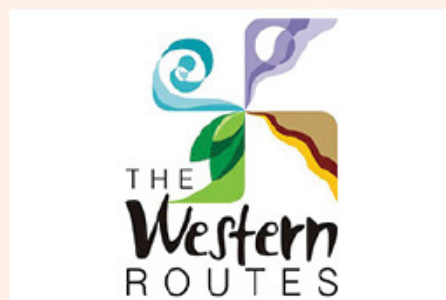
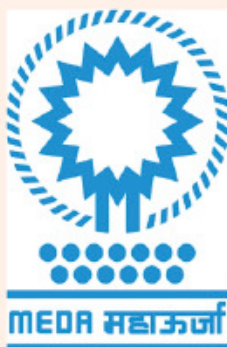
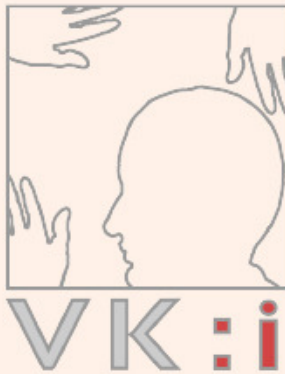
In Japan, I worked at insurance company. It was so good experience for me to work at SI as an internship member. My mission at SI team was to learn about Green Buildings and "to search fire hazards, analyze impact, consider preventive measures in VK office building." It was hardship for me that the signboard of my company does not pass at SI and I'm away from the familiar environment. I learn not only about Green buildings but also importance of subjectivity and challenging spirit. After returning to Japan, I'd like to work with the experience. I appreciate to SI team accepting me as an internship member.

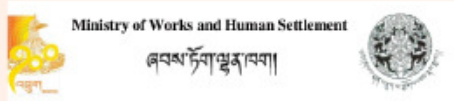
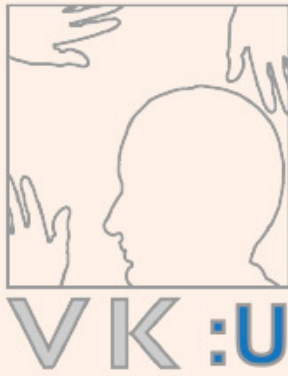
Associations

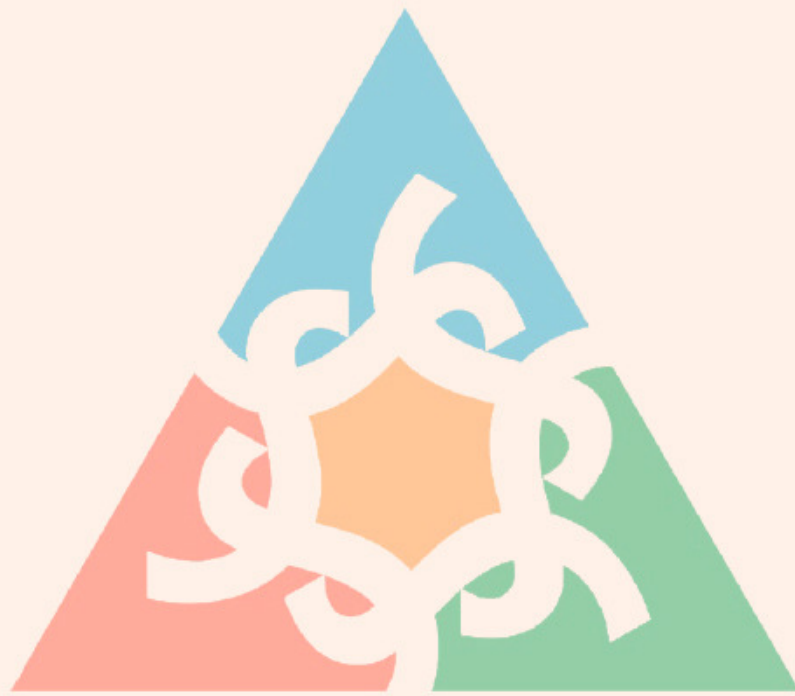
SI associates with multiple organizations during its events and programs



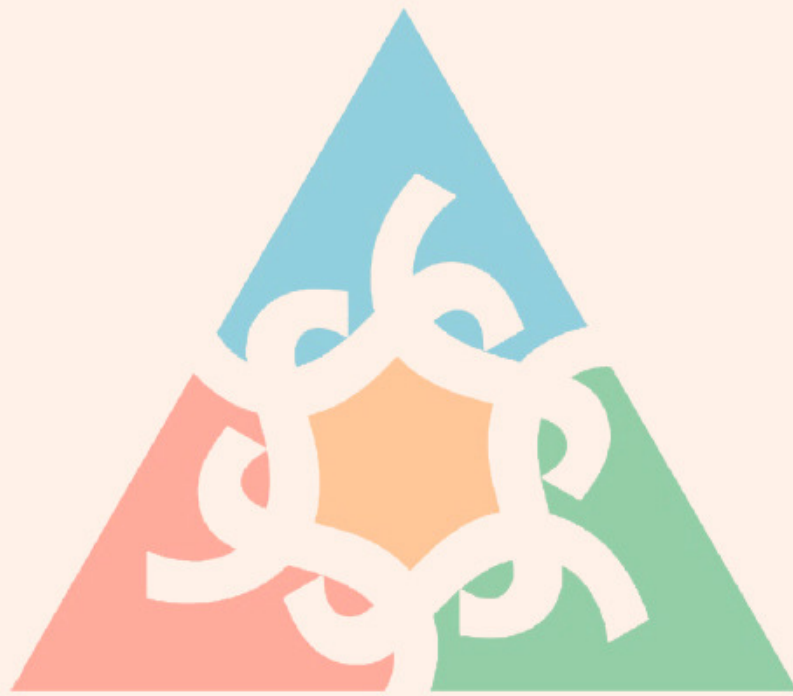








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