



**Sustainability  
Initiatives**



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

Registered Address: 17B Pinnac Garden, next to Kokan Express,  
Kothrud, Pune 38  
Registration no.: E- 5809 (Pune)

Correspondence Address: 73/2 Bhakti Marg, Lane Opposite to pandit Auto,  
Off Law College Road, Pune - 411004, Maharashtra, India.  
Phone: +91-20-6626 8888, Fax: +91-6626 8801  
Email: [mail@sustainability-initiatives.org](mailto:mail@sustainability-initiatives.org)

[www.sustainability-initiatives.org](http://www.sustainability-initiatives.org)

# **2018-2019 Sustainability Initiatives Annual Report**

# Sustainability Initiatives

## About us

Sustainability Initiatives is a not-for-profit organisation 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 Paranjape- Purohit*  
Trustee



*Poorva Keskar*  
Trustee



*Hrishikesh Kulkarni*  
Trustee



*Apoorva Kulkarni,*  
Trustee



*Vijay Sane*  
Core member



*Pranati Shroff- Munot*  
Core member



*Namrata Dhamankar-Jadhav*  
Core member



*Amol Umbarje*  
Senior Coordinator

# SI Foundation Day

6 April 2018

Sustainability Initiatives released the Annual Report of 2016-2017 on 6th April 2018 at the Session on Green Buildings for IGBC Accredited Professionals in Sustainability Initiatives office. The Annual report releasing was graced by the Guest of Honor Mr. J. P. Shroff, Chairman, CII IGBC Pune Chapter & Mr. Shrikant Bapat, Vice Chairman, CII Pune Zonal Council & Managing Director, Johnson Controls India Ltd.

SI team members, Ar. Poorva Keskar, Ar. Hrishikesh Kulkarni, Mrs. Apoorva Kulkarni, Ar. Namrata Dhamankar, Ar. Pranati Shroff and Mr. Amol Umbarje were present, along with SI Interns Ms. Ritika Vakil and Mr. Abhay Bachhuka.



Guest of Honor Mr. J. P. Shroff & Mr. Shrikant Bapat



Sustainability Initiatives released the Annual Report



# 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 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.

More barren roofs and exposed concrete surfaces leads to more heat gain in buildings resulting in an urban heat Island effecting the micro climate of the place resulting in increased temperatures. Sustainability Initiatives undertook a research in 'Green Roofs' for such identifies environmental issues 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 completed, SI is now determined to work on a demonstrative project to raise an awareness and evaluate the benefits of 'Green Roofs' for Pune city.

Sustainability Initiatives , Vka architecture, and Vke environmental are collaboratively working on the live Green roof project for PMC's Environment Interpretation centre in the precinct of Pashan lake,Pune. This demonstrative module is to maximize and add urban green inserts in the city that are depleting due to increased urbanization.





## Earth Center

Sustainability Initiatives, VK:a architecture and VK:e environmental team developed an Earth Centric Unit referred as "Earth Centre" through research. Earth Centre prototype was created with a vision to perform valuable environmental and public service as a de-centralized solid waste management facility with a window of opportunity to engage citizens in the responsibility of garbage management. Designed to serve a ward level population, the prototype was presented to Pune Municipal Corporation and Pune Metropolitan Region Development Authority.

The prototype, allied research and techno-commercial feasibility is completed and moving forward, SI is now determined to roll out a demonstration project to raise awareness and evaluate the actual benefits of 'Earth Centre' for Pune and PCMC city. The Earth Centre Prototype Design can cater 9 MT of Organic Waste, 1 MT of Plastic Waste, 100 kg of Sanitary Waste along with e-waste and recyclable waste tie-ups for diversion. In addition the Earth Centre shall offer sophisticated Citizens Dry Trash drop facility, citizen information & help center, Waste Food, Shoes and Clothes Donation Facility.

The Earth Centre shall serve maximum segregation, diversion, treatment and recovery to reduce the landfill area requirement and reduce the environmental and social impacts. The project also eventually aims to provide better neighbourhood level opportunities to the citizens for up-cycling and recycling their domestic waste. The Earth Centre is primarily targeted to serve as a neighbourhood decentralized solid waste treatment and diversion unit with an inherent character to be citizen friendly. The idea is to engage citizens in solid waste management through responsible behavior, in contrast to viewing this public infrastructure as dirty and "someone else job". Since the Earth Centre has been developed as a prototype, it can be adapted and easily replicated throughout the city. Earth Centre prototype is planned with a green area equal to its Building Footprint with its own Solar PV Roof top plant and is designed as a sustainable model. The peripheral plantations are designed to act a buffer zones.

Earth Center is not merely a Solid Waste Treatment Facility, but much more. Its an opportunity to trigger a behavioral change, very much needed for sustainable development.

People's participation and involvement is a key ingredient and an important part of Earth Centre's design brief.





# 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.*

## Tekadi Clean up Drive

20 January 2018

Deccan Gymkhana Parisar Samiti in association with Sustainability Initiatives organized Vetar Tekadi Clean Up drive on Saturday, 20th January 2018. A total of 35 volunteers participated in this activity.





## "FSAI Life Marathon: Run for Fire and Safety" event

4 March 2018

The marathon - "FSAI Life Marathon: Run for Fire and Safety" was organized on 4th of March 2018 by FSAI (Fire & Security Association of India) and Pune Municipal Corporation (Fire Department). The marathon spread the message about importance of fire safety and security. As fires are a major urban environmental hazard, Sustainability Initiatives lent its support to the event as an associate organisation.

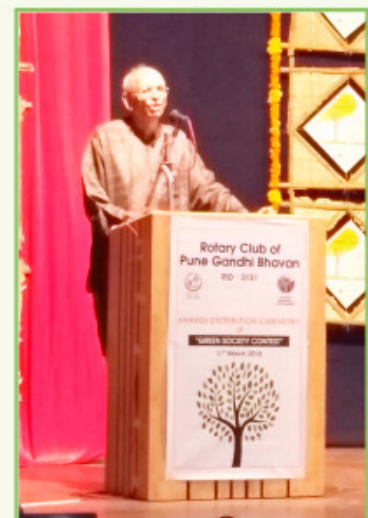


## Award Distribution Ceremony of Green Society Contest

11 March 2018

Rotary Club of Gandhi Bhavan in association with Sustainability Initiatives organised a Green Housing Societies competition. SI's trustee Ar. Anagha Paranjape - Purohit was a part of judging team. Where Cooperative Housing Societies are known for infighting, these Housing Societies are not just fulfilling their basic duties, but choosing to go much much beyond by establishing and successfully operating numerous.

Award ceremony held at BalShikshan Auditorium. Heartiest Congratulations to all Winners! May you inspire others to GoGreen and may your tribe grow!  
Chief Guest for the Award ceremony Mr. Madhavrao Gadgil, Environmentalist and Mr. Vinay Kulkarni, Rotary Club were present during the ceremony.





## World Forestry Day and World Water Day Celebration

22 March 2018

On the occasion of World Forestry Day and 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) on 22nd March 2018.

About 85 students and faculties from various colleges and employees of VK:e environmental present during these site visits.

Under this event, the participants got an opportunity to visit Water filtration plant of capacity 50 KLD located in the premises of 'Indradhanushya Environment and Citizenship Centre' and based on combination of phytoremediation and bioremediation technologies. This Water filtration plant is set up on pilot basis to treat the sewage contaminated water from Ambil Odha and the treated water is used for irrigation to landscaped area in the premises.

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 releases in the Mutha River and the treatment is based on activated sludge process. Mr. Mangesh Dighe, Environment Officer and Ms. Pooja Dhole of Pune Municipal Corporation explained the details of these STPs to the participants and answered their queries. The site visits were successfully co-ordinated by Mr. Amol Umbarje of Sustainability Initiatives.



## Earth Day

22 April 2018

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 a contribution to such awareness, Sustainability initiatives made a video about awareness of plastic free city.





## World Environment Day Celebration

5 June 2018

Sustainability Initiatives in associations with VK:a architecture, VK:e environmental, VK:i interiors, VK:u urban, FSAI celebrated World Environment Day of June 2018. Activity were 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 was divided into 14 teams. The theme of the competition was- Ideas for a better environment through:

- 1) Beat Plastic Pollution
- 2) Our Responsibility.....Our Country ....
- 3) Fire Safety- Our responsibility.

The posters were required to carry some text or a slogan as well as a small write-up explaining the concept or idea. There were three winning entries which got printed, distributed and displayed at various schools and government organizations.



## SI Recognised by Nelda Foundation

24 June 2018

Sustainability Initiatives awarded and recognised by Nelda on the special occasions of 2nd Foundation Day of Nelda. Recognized on 24th June, 2018 at the Jawaharlal Nehru Memorial Hall, Camp, Pune. SI got recognised by Mr. Mangesh Dighe, Environment Officer, PMC.

This certificate of Recognition is awarded to Sustainability initiatives an organization / group of volunteers, working for the betterment and preservation of our environment & society for contribution towards our society and our common home, the Earth.





## Tree Plantation Drive

1 July 2018

Green Initiative by Forest Dept of Maharashtra, supported by Sustainability Initiatives and FSAI. 225 participants voluntarily planted near about 800 saplings at Vanbhavan, Gokhale Nagar, Pune. SI volunteers, Employees of VK:a architecture, VK:e environmental, VK:i interiors , VK:u urban, Resilient Cosmeceuticals, Genesupport, GeneOmbio, Water P Moore, 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.




## Eco Friendly Ganesha in the city are compiled by Sustainability Initiatives

Everyone around is gearing up for the Ganesha Festival, the festival to celebrate birth of Lord Ganesha. Despite the joy it brings, this celebration often causes large scale pollution and poses great hazard to our environment and marine life.



We requested to everyone, promote an eco - friendly Ganesha to preserve our precious environment. Sustainability Initiatives compiled contacts of Eco Friendly Ganesha Idol making organizations.


**Find your Eco Friendly Ganesha here**

Compilation by



sustainability initiatives





Sustainability Initiatives: 73/2, Bhakti Marg, Off Law College Road, Pune 411 004, Maharashtra, India.  
Ph.: +91-20-6626 8888, E-mail: [mail@sustainability-initiatives.org](mailto:mail@sustainability-initiatives.org) Website: [www.sustainability-initiatives.org](http://www.sustainability-initiatives.org)



## Donation drive for Kerala

July 2018

All of us are aware of the floods in the state of Kerala, the devastation it has caused and the number of lives that are lost due to this floods. As our social responsibility, we at Sustainability initiatives has donated clothes towards the relief of the affected citizens of the Kerala through Goonj organisation with the support of VK:a architecture, VK:e environmental, VK:i interiors and VK:u urban towards the relief of the affected citizens of the state.



Sustainability initiatives also donated Rs. 1,06,000 /- funds towards the relief of the affected citizens of the Kerala to Chief Minister Relief Fund, Maharashtra.

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

25 September 2018

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 25th September 2018 to Royal Orange County Residential Complex at Rahatane and Amar Business Park at Baner.

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.





## Sustainability Initiatives organizes a visits to 'SwaCH, INORA and Enprotech solutions Bio-Gas plant' for Victorious Kids Educares students

October 2018

Under the outreach function, such site visits was organised for the students of Victorious Kids Educares. The visits was organised in October 2018 to SwaCH, INORA and Enprotech solutions Bio-Gas plant. About 50 participants were briefed by experts. The participants were also given field training to the INORA -Vermi Composting plant.



## "FSAI Life Marathon - Run for Surkshit Bharat" event

4 March 2019

The marathon - "FSAI Life Marathon: Run for Surakshit Bharat" was organized on 4th of March 2018 by FSAI (Fire & Security Association of India) and Pune Municipal Corporation (Fire Department). The marathon spread the message about importance of fire safety and security. As fires are a major urban environmental hazard, Sustainability Initiatives lent its support to the event as an associate organisation.





## World Water Day Celebration

22 March 2019

World Water Day is celebrated annually on 22 March focusing attention on the importance of freshwater and advocating for the sustainable management of freshwater resources. This Day is an opportunity to learn more about water related issues, be inspired to tell others and take action to make a difference. Water is an essential building block of life. It is more than just essential to quench thirst or protect health; water is vital for creating jobs and supporting economic, social, and human development.

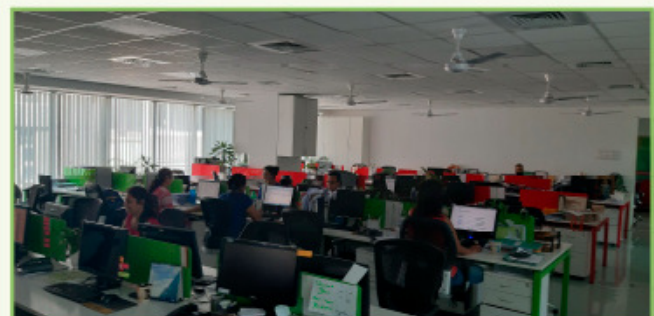
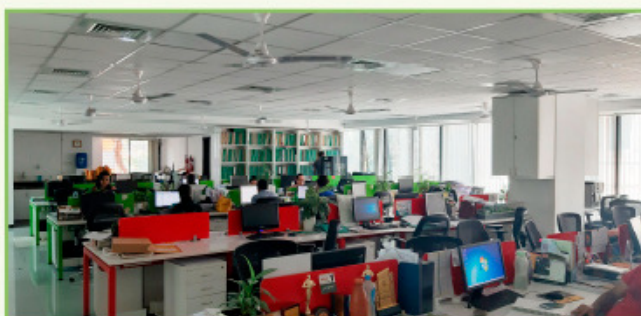
On the occasion of World Water Day, Sustainability Initiatives has installed water aerators to all taps of VK:a architecture, VK:e environmental LLP, VK:i interiors, VK:u urban and Resilient Cosmeceuticals Private Limited offices. This will help in saving 70% tap-water. Through SI we request all of you to kindly take, this initiatives and do activities at your Home and Society campuses and be more responsible towards our Mother Earth.



## Earth Hour at Sustainability Initiatives office

19 April 2019

Sustainability Initiatives along with VK:a architecture, VK:e environmental, VK:i interiors and VK:u urban employees observe Earth Hour on the third friday of every month where all fans, lights, ACs and lifts are shut for one hour from 10.00 am to 11.00 am. Earth Hour is a worldwide movement organized by the World Wide Fund for Nature (WWF) where individuals, communities, and businesses are encouraged to turn off non-essential electric lights for one hour on a specific day every year in March. SI has taken it one step further by observing Earth Hour once every month.





## Earth Day Celebration

22 March 2019

Sustainability Initiatives disposed of e-waste collected from its own staff and the offices and staff VK:a architecture, VK:i interior, VK:e environmental and VK:u urban through SWaCH; an authorized e-waste collector and disposer. This initiative was undertaken on the occasion of Earth Day on 22nd April 2019.



## Awareness on Indoor Air Quality on the World Environment Day

22 March 2019

Sustainability Initiatives created awareness on Indoor Air Quality by presenting air purifying Indoor Plants to senior officers of the Pune Municipal Corporation on the occasion of World Environment Day. The theme for this year World Environment Day was Air Pollution.

Indoor Air Pollution is often ignored while everyone is busy debating how to tackle outdoor air pollution. But indoor environments, especially air-conditioned, sealed buildings can accumulate significant levels of Volatile Organic Compounds (VOCs) like Benzene, Formaldehyde, Ammonia, Trichloroethylene, Xylene etc. These compound are emitted by wood particle boards used in furniture, upholstery, tapestry, printers, photocopiers, computers, floor cleaning liquids etc. Accumulation of these chemicals can cause headache, nausea, eye irritation etc. and prolonged exposure can have serious effects on vital organs of the body.

A study by NASA highlighted a number of indoor plants that absorb these VOCs and help keep indoor air free of these chemicals. This includes plants like Rhaps Palm, Chinese Evergreen (*Aglaonema* sp.), Spider Plant (*Chlorophytum* sp.), Money Plant, Snake Plant (*Sansevieria* sp.), Peace Lily (*Spathiphyllum* sp.), Weeping Fig (*Ficus benjamina*), Red-edged Dracaena, Cornstalk Dracaena, Flamingo Lily (*Anthurium* sp.) etc. NASA recommends that at least one large sized indoor plant should be placed for every 100 sq ft of indoor space. Several people across the world have started using indoor plants in their workplaces to keep indoor air pure.

To create awareness about importance of indoor air quality we decided to place indoor plants in the offices of Hon. Mayor, Hon. Commissioner, Hon. Additional Commissioner (Special), Hon. Additional Commissioner (General), Hon. Additional Commissioner (Estate) and Hon. City Engineer of the Pune Municipal Corporation. Trustees of Sustainability Initiatives Ar. Anagha Paranjape -Purohit and Ar. Poorva Keskar presented these plants and explained their significance. Mr. Mangesh Dighe, Environment Officer Pune Municipal Corporation, Mr. Amol Umbarje and Mr. Kedar Champhekar of Sustainability Initiatives were also present at this occasion.



## World Environment Day Celebration by creating awareness about importance of Indoor air quality



## Tree Plantation Drive

14 July 2019

Sustainability Initiatives along with Maha NGO Federation supported the plantation drive by the Forest Department at Taljai on Sunday 14th July 2019. SI managed to plant almost 450 trees. SI volunteers, Employees of VK:a architecture, VK:e environmental, VK:i interiors, VK:u urban, Resilient Cosmeceuticals, Genesupport, GeneOmbio, Water P Moore, School children, FSAI Members, FSAI Student Chapter members, Maha NGO Federation 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 We thank all our partners and well-wishers for their enthusiastic participation





## Donation Drive for Flood Victims in Maharashtra

August 2019

Sustainability Initiatives organised a drive for collection of clothes and foodgrains for flood affected people of Sangli and Kolhapur districts in August. All employees of SI and VK group gave generous contributions. These contributions were sent for distribution to the flood affected areas through The Art of Living Foundation and Maha NGO Federation.



## Visit of School Students to SWaCH

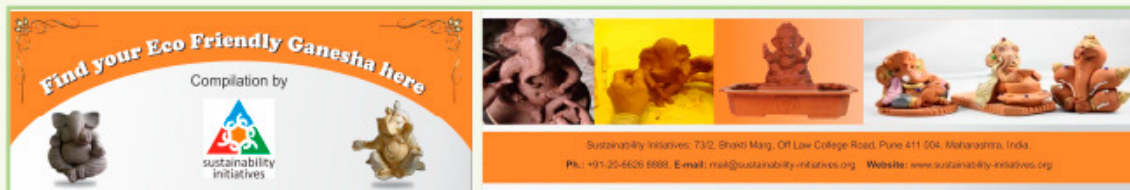
5 August 2019

Sustainability Initiatives organised a students visit for 'Victorious Kids Educares' school to the office of SWaCH, Pune on 5th August 2019. There they learnt about how the solid waste in the city is managed. The students participated enthusiastically and interacted with the SWaCH staff. It was a great learning experience for the students, many of who would be future decision makers!



## Eco Friendly Ganesha in the city are compiled by SI

August 2019



Everyone around is gearing up for the upcoming Ganesha Festival, the festival to celebrate birth of Lord Ganesha. Despite the joy it brings, this celebration often causes large scale pollution and poses great hazard to our environment and marine life. We requested to everyone, promote an eco - friendly Ganesha to preserve our precious environment. Sustainability Initiatives compiled contacts of Eco Friendly Ganesha Idol making organizations.



## Visit of College Students to 'Suzlon One Earth'

22 August 2019

Sustainability Initiatives arranged a visit for M. Arch students of D.Y. Patil College of Architecture Lohegaon to 'Suzlon One Earth' green building on 22nd August 2019. Interns from Sustainability Initiatives and VKe: environmental also joined the students.



## Visit of School Students to SWaCH

4 September 2019

One more visit arranged by Sustainability Initiatives to SWaCH for students of Victorious Kids Educares school to learn about solid waste management on 4th September 2019. There they learnt about how the solid waste in the city is managed. The students participated enthusiastically and interacted with the SWaCH staff. Such experiences at young age help children make the correct choices in the future.





## Nirma University, Ahmedabad Students visit to 'Suzlon One Earth'

15 October 2019

Sustainability Initiatives arranged a visit for Architecture students of Nirma University, Ahmedabad, Gujarat to 'Suzlon One Earth' green building on 15th October 2019 . Interns from Sustainability Initiatives also joined the students.





# 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.*

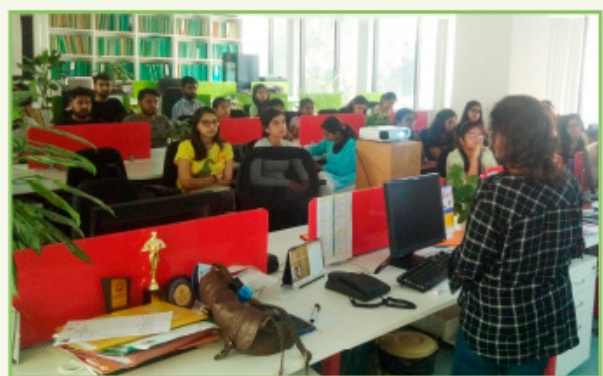
## Training on Use of Energy Simulation Software for Brick School of Architecture and PVP college of Architecture students

24 February 2018

Sustainability Initiatives conducted Training on Use of Energy Simulation Software for the students of Bricks college of Architecture and PVP college of Architecture students, The training was organised on 24th February 2018.

Participant were benefited by experts including, Ar. Anagha Paranjape – Purohit, Ar. Kanchan Sidhaye and Ar. Pratiksha Chipade, 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 utilised in order to design energy efficient and climate responsive building design.





# Successful 8th GRIHA Regional Conference- 'Choosing Sustainable Building Sustainable'

**29 and 30 June 2018, at Courtyard by Marriott, Mumbai**

It gives us immense pleasure to inform that our Conference 'Choosing Sustainable building Sustainable' on , Courtyard by Marriott, Mumbai, was a successful Event. Conference was Organised by Sustainability Initiatives, GRIHA Council and PWD of Maharashtra. We had good number of registrations from Maharashtra and Colleges from Maharashtra for the Conference.

Chief guest for the conference Mr. Chandrakant Dada Patil, PWD Minister, govt. of Maharashtra and Guest of Honour Dr. Ajay Mathur, Director, TERI were present at the inauguration session. Key Note speaker for the conference Ar. Sangeet Sharma, Partner, SD Sharma and Associates was present at the conference.

Mr. Sanjay Seth, CEO, GRIHA Council, Ms. Shabnam Bassi, Secretary, GRIHA Council, Ar. Anagha Paranjape-Purohit, Trustee Sustainability Initiatives, Ar. Namrata Dhamankar- Jadhav, Member SI. Mr. Amol Umbarje, member SI and Ar. Namrata Randive, GRIHA Council were present at the Conference.

## Speakers

- Mr. Sudhir Paliwal, Expert Member, Maharashtra State Fly Ash Council, Nagpur
- Ar. Rajan Rawal, Executive Director, CARBSE, Ahmedabad
- Mr. Isaac Emmanuel, Head – Business Unit Polyurethanes in Covestro (India) Pvt Ltd
- Mr. Harish Borah, ADW developments limited, London & New Delhi
- Ms.Nidhi Gupta, Sustainability Consultant, Auroville consulting, Auroville
- Mr. Abhijeet Gawade, Head Business Development, Godrej construction.
- Mr. Shreedhar Pandya, Sustainability Advisor, DNP Infrastructures Pvt. Ltd.
- Mr. Mahesh Gangaramani, Country Head, Perfect Infra Engineers Pvt Ltd
- Mr. Jayesh Vira, Managing Director at Enviro Consultancy Pvt. Ltd.
- Mr. Amol Desai, General Manager, Business Development, Supreme Petrochem Ltd.
- Mr. Sanjeev Karpe, Managing Director, Native Konbac Pvt Ltd.
- Mr. Pradeep Joshi, Green Build Products, Pune
- Mr. Abhinav Gupta, Co-founder & Director, Active Buildings
- Er. Gautam Aswani, Senior Project Officer, GRIHA Council



## Successful 8th GRIHA Regional Conference





## 3-Day Workshop on Environmental Impact Assessment (EIA)

16-18 August 2018

Sustainability Initiatives conducted 3-day workshop on Environmental Impact Assessment (EIA) for the students of PVP College. This program was conducted at Sustainability Initiatives, Pune.

Participants were briefed by experts including, Ar Anagha Paranjape-Purohit, Ms Kavita Takle who talked about the basics of EIA study, evolution of EIA and the process of assessment. An interesting group exercise was conducted at the end of the workshop. Students enjoyed working on this exercise and the presentation that followed.





# Training on Use of Energy Simulation Software for Brick School of Architecture & PVP college of Architecture Students

15 September 2018

Sustainability Initiatives conducted Training on Use of Energy Simulation Software for the students of SIIB and PVP college of Architecture students, The training was organised on 15th September 2018 at Sustainability Initiatives, Pune.

Participant were benefited by experts including, Ar. Anagha Paranjape – Purohit, Ar. Kanchan Sidhaye and Ar. Pratiksha Chipade, 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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# International Training on 'Urban Renewal and The Future of Cities'

December 2018

Sustainability Initiatives successfully conducted our first International Training on 'Urban Renewal and The Future of Cities' in December 2018. This training was conducted for Officers / Town Planners of the Department of Town Planning and Valuation of Government of Maharashtra.

This two week training was designed, developed and implemented by senior experts at London School of Economics (Custom Programmes), who partnered with Sustainability Initiatives, Pune as a local partner. The training's primary objective was to bring quality content and a rich teaching and public policy experience to the officers of Government of Maharashtra. The Training was hosted in Barcelona, Spain. The Training was an exciting mix of classroom interaction followed by site visits in Barcelona, Spain to actually see the Urban Transformation achieved by this city. The Training also included meetings with Barcelona's Urban Planners and government officials involved in city's urban projects. 24 Officers including Mr. N.R. Shende, Director, Department of Town Planning and Valuation, Government of Maharashtra, attended the training.

To ensure that the Training is effective and can be fruitful for Urban Planning in Maharashtra, the program included rigorous interactive sessions on potential Urban Renewal projects in the cities of Pune, Mumbai and Thane. Post the training, London School of Economics will complete a follow-up round to see if concepts gathered during the training can be included as a part of the Urban Renewal projects in Maharashtra.

Sustainability Initiative's Trustees Ar Anagha Paranjape-Purohit, Ar Poorva Keskar and Ar Vijay Sane, were part of this delegation and ensured that the training content was customized to Indian conditions / scenario so that government officers will be able to take some concrete steps at their own individual levels for urban planning in Maharashtra.





## International Training on 'Urban Renewal and The Future of Cities'





## Training on Fire and Safety

7 July 2019

Sustainability Initiatives and Fire and Security Association of India organised training on Fire and Safety including demos and lecture for VK group employees on 17th July 2019 at VK office.

Employees of VK:a architecture, VK:e environmental, VK:i interiors , VK:u urban, Sustainability Initiatives were actively participated in the activity. As fires are a major urban environmental hazard, Sustainability Initiatives lent its support to the event as an co – organizer.





# 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.*

## State level Workshop on Drought

19 Jan 2019

Maha NGO Federation, Rotary club, Maharashtra Rajya Marathi Patrakar Sangh and Social Responsibility in association with Sustainability Initiatives, Pune, RISO, Samgra Nadi and Jio Foundation organised State level Workshop on Drought at Ganesh Kala Krida Mandir, Swargat, Pune.



## Seminar on 'Cities of Pune & Barcelona: An Urban Ideas Exchange'

23 February 2019

Sustainability Initiatives had arranged 'Cities of Pune & Barcelona: An Urban Ideas Exchange Seminar on 23rd February 2019 at Patrakar Bhavan, Pune. Noted urban planner Sulakshna Mahajan and Karuna Gokhale's book by Rajhans Prakashan.

“तुम्ही बी घडा ना” was launched in the same event. This book is translated from an original Catalanian book by Ex Deputy Mayor of Barcelona Mr Antoni Vives. Antoni was also present at the event and regaled the audience with his humour and anecdotes on what he did to transform Barcelona from a smelly, dangerous city to a thriving, popular and bustling metropolis.

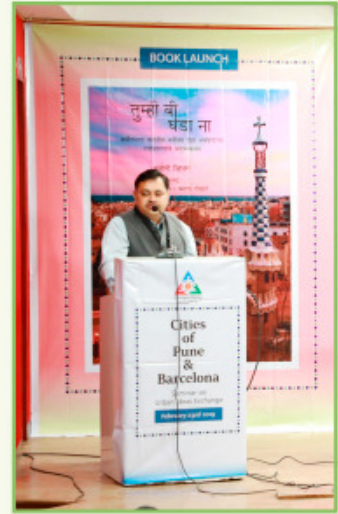
Dr Rajendra Jagtap, CEO Pune Smart City presented the Placemaking concept being implemented in Pune and how it has captured the imagination of all cities of India. Like I always like to say – Pune is a trailblazer.

Rajya Sabha MP Vandana Chavan, articulate as always, stressed the need to have a better coordination between political and administrative wings of the government.

It's a long way to go for Indian cities, but setting the course is what will happen today. And we, Urban planners, should set the stage to guide our governments to look at long term visions towards achieving the dream of Healthy Sustainable Cities in India.



## Book Launch & Seminar on 'Cities of Pune & Barcelona'





## Panel Discussion – Air Pollution: Way Ahead for Indian Cities on the World Environment Day

29 and 30 June 2018

World Environment Day is celebrated each year to mark the Stockholm Conference on Human Environment of the United Nations in 1972. It was the first ever international conference that focused on the environment. The United Nations announces the theme of the conference each year and the theme for 2019 was Air Pollution.

On this occasion Sustainability Initiatives decided to have a panel discussion to understand the air pollution in Pune and other cities in India and discuss various measures that are being taken and that should be taken to address the rising air pollution in Indian cities. The panel discussion was organized on 6th of June 2019 at the office of Sustainability Initiatives. The invited panelists were Dr. Gufran Beig, senior scientist at the Indian Institute of Tropical Meteorology (IITM), Pune, Dr. Sundeep Salvi, Director, Chest Research Foundation, Pune and Mr. Mangesh Dighe, Environment Officer, Pune Municipal Corporation.

Dr. Beig explained the need and importance for monitoring and inventorying air pollution and how that can give meaningful insights that can help formulate policies. Dr. Salvi explained how air pollution affects the human body and also how there is a need for a change in attitude of people towards air pollution in order to stimulate people to take action. Mr. Dighe presented the current scenario of air pollution in Pune and how Pune Municipal Corporation has been at the forefront of research and action on urban air pollution in India as compared to other cities. The presentations were followed by a very lively question and answer session where the audience raised a lot of relevant questions pertaining to the topic and engaged the panelists in a very stimulating discussion.

The event concluded with declaration of results of a poster design competition held among the employees of Vk:a architecture, Vk:e environmental, Vk:i interior and Vk:u urban. The theme for the poster was Air Pollution and there were 12 teams competing for three top prizes. The prizes were distributed at the hands of the invited panelists.





# Publications

*Sustainability Initiatives takes a keen interest in awareness on various topics related to Sustainability, Energy Efficiency and Environment Conservation through its Publication.*

## SI:Imprint

SI launched its newsletter SI:Imprint Issue 4 at the 8th GRIHA Regional Conference- 'Choosing Sustainable building Sustainable' on 29th and 30th June 2018, Courtyard by Marriott, Mumbai

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.





# Green Building Map by Sustainability Initiatives on PMC website

Sustainability Initiatives (SI) is a trust registered in Pune, carrying out Research, Advocacy, Awareness, Education and training in the field of urban sustainability.

SI along with the Indian Green Building Council (IGBC) have prepared a map of IGBC rated green buildings in Pune City. This initiative was to create awareness about and promote green technologies in the real estate sector. This map is a very good resource to know more about green building sector in Pune.

Now this map is available on the website of the Pune Municipal Corporation (PMC) for the benefit of the citizens. Link- <https://pmc.gov.in/en/green-rating-system-0>





# Other Activities

*Sustainability Initiatives in association with various local organizations organizes many events and activities and outreach them at a wider platform.*

## Talk on Goan Inquisition by Shefali Vaidya

21 April 2018

Sustainability Initiatives and INDIC Academy organised talk on Goan Inquisition by Ms. Shefali Vaidya at Sustainability Initiatives. The talk was full of insightful facts and information and references. Ms. Shefali's emotional connect with Goa was evident when she spoke about how Goans, for 250 years, endured the Inquisition....an untold story unfolded evening for an audience of 150 PuneKars.

The talk was signed off by voicing some very important questions - Why is it important to learn history and not gloss it over? What should we learn from history? How can we speak, acknowledge and understand history so that it helps to heal wounds? How can we move forward having acknowledged the past?





## Book launch - 'The Man Who Saved India'

10 September 2018

Sustainability Initiatives and Indic Academy hosted celebrated author and journalist Hindol Sengupta for the launch of his book 'The Man Who Saved India' on Sardar Vallabhai Patel at Sustainability Initiatives office.





## Talk on The Gap between Evidence and Narrative of Indian Civilization by Raj Vedam

30 November 2018

Sustainability Initiatives and INDIC Academy organised talk on the Gap between Evidence and Narrative of Indian Civilization by Raj Vedam at Sustainability Initiatives. The talk was full of insightful facts and information and references.



## Book Launch - 'Saffron Swords'

3 August 2019

Launch of the book 'Saffron Swords' by Manoshi Sinha Rawal was hosted by Sustainability Initiatives in association with INDIC, Pune on 3rd of August 2019. The launch was followed by reading of a few excerpts from the book by the author Ms. Manoshi Sinha Rawal, followed by a discussion moderated by Ms. Shefali Vaidya of INDIC. The book highlights stories of resistance by Indic warriors against foreign invaders. An interesting discussion followed about how these stories of resistance are ignored in the popular narrative of Indian history and not taught in the history textbooks leading to a skewed view of Indian history.

Our trustee Ms. Anagha Paranjape-Purohit presented a vote of thanks to the author and the members of INDIC for the interesting and thought provoking event.





## Book launch - 'The Curse of Gandhari' by Aditi Banerjee

25 September 2019

Launch of the book 'The Curse of Gandhari' by Aditi Banerjee was hosted by Sustainability Initiatives in association with INDIC, Pune on 25th September 2019 at Sustainability Initiatives, Pune.





# 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.*



**Mr. Abhay Bachhuka**

*College of Engineering, Pune*

*The environment oriented ideology and principles at Sustainability Initiatives makes one put their heart into their work along with their mind. The organization insists on widening the horizons of knowledge and understanding, thereby providing a positive work environment with perpetual guidance and motivation. The wide network and connections of the organization present the opportunity to work with various city and national level organizations and their events. It was a delightful and enlightening experience working here, at Sustainability Initiatives.*

**Ms. Ritika Vakil**

*College of Engineering, Pune*

*The internship experience at sustainability initiatives was definitely fruitful and valuable. Sustainability initiatives is a vast organisation. The fabric of the organisation is an intricate weaving of various events, awareness programmes and remarkable works which mark a difference in the field. The social interactive events and the various contacts it has earned help interns a lot in their own way. There is a lot to learn from this organisation which helped me build myself stronger in the field.*







### **Mr. Chinmay Pimplapure**

*DY Patil College of architecture, Pune*

*Hello Everyone...!! It's my pleasure to introduce myself. Well, I'm Chinmay working with Sustainability Initiatives(S.I.) as an intern from past one and half months. I have completed my graduation (B.Arch.) (2016) from Priyadarshini Institute of Architecture & Design Studies, Nagpur. Worked with Concepts Architects' Nagpur for over a year and then went for Environmental Architecture (M.Arch.), DYPSOA, Pune which I am currently pursuing in its second year.*

*Working with S.I. gave me the opportunity to work with the very best in the field of environment in terms of learning the architectural, entrepreneur and managerial side of the stream from every possible point of view. I thank everyone from S.I. esp. Amol Sir and VK family in whole for allowing me to have a free hand in office to explore everything, giving me the best time of my life.*

### **Ms. Nisha Maklur**

*DY Patil College of architecture, Pune*

*Hello, my name is Nisha Maklur. I have completed my bachelor's degree in architecture from BKPS College of architecture.*

*Currently I am pursuing masters in environmental architecture from DY Patil College of architecture. I joined Sustainability Initiatives as an intern. I had an opportunity to work and help for the 8th GRIHA Regional Conference. 'I thank Sustainability Initiatives for the opportunity and exposure.*





**Mr. Toshiyuki Suzuki**

*Nihon University Chiba ,Japan*

*This time I did an internship for one month. My task is river front development. I first thought about ways to clean the river for urban development. So I actually went to the river and I thought about the problem. So I thought that the two problems of garbage problem and water quality problem are serious problems. And, as a solution to the garbage problem, I made three proposals to introduce a unique trash box actually used in Sweden, proposal of trash box using IOT technology, and prevention of garbage disposal by poster. Also, I did a field work to listen public opinion. I can only speak a little English. However, in field work, I managed to conduct a questionnaire somehow by using gestures, using photos, using paper. My English ability is not good yet. However, the company person made me very kind. I am grateful to everyone. So, I would like to encourage studying English without forgetting this experience.*

*Thank you for the exciting days of the month.*

**Mr. Kota Fukuhara**

*Nihon University Chiba ,Japan*

*I had a wonderful day in India. Indian is very kind and friendly. Although I was not good at English, everyone talks to me many times. So, I got to be able to communicate little by little.*

*My task in SI is to study on largest toilet building in the world. India has a largest toilet building and project. I don't know this thing. And I researched about sanitation states in India. When I go to fieldwork to research sanitary problem, Indian people also kind for me. I feel strongly India and Pune is good place and I want to come again!*





**Ms. Kiho Fujii**

*Chiba university, Japan*

*I'm Kiho Fujii, from Chiba university, Japan. Thank you for giving me an opportunity to come to SI. It was my first time to come to India and do an overseas internship. It was a great pleasure meeting with you, and I truly enjoyed learning more about the role and your company. After my internship, I am confident that my skills has become better.*

*Arigato! Thank you!*

**Ms. Yuuka Kuroishi**

*Chiba university, Japan*

*I'm Yuuka Kuroishi. I study architecture in Chiba university. It was my first time to do internship abroad. I worked here for three weeks. I could have an amazing experience. I'm glad that I could come to India and work at SI. This experience made me grow a lot.*

*Thank you for welcoming me as an intern.*



**Ms. Yuri Kasahara**

*Japan Airline, Japan*

*I was an intern at SI for three weeks during October. My theme of study, was CSR in India and a comparative study between Japan. I was able to do some fieldwork, interviews also, which was quite an experience. My stay was great thanks to the help of everyone at SI and the VK group.*

*If I have the chance, I hope to revisit Pune once again!*



**Mr. Noeru Komatsu**

*Yokohama City University, Japan*

*I am a biology student in Yokohama City University, Japan. For one month, I took part in the internship program in Sustainable Initiatives. I had a really good experience that I could not achieved in my college life. For instance, I really consider the importance of environment-friendly and my part for it. In other words, the experience in Pune will connect to find the duty on my life.*

*Moreover I would like to contribute some helps of international corporation and learn of them.*

*Finally, I really appreciate for all of things in my Indian life.*

**Mr. Shuya Takase**

*Tokio Marine & Nichido Fire Insurance Co. Ltd, Japan*

*I worked at SI as an internship member for two weeks. My mission in SI was to research on fire security & fire insurance, comparing India with Japan. It was very interesting to find the difference about them. Moreover, I had the chance of discussing with many people.*

*It was great experience for me to work here!*

**Mr. shohe tsuri**

*Tokio Marine & Nichido Fire Insurance Co. Ltd, Japan*

*I worked for SI for 2 weeks as internship student from Japanese insurance company. For 2 weeks, I researched tax systems, traffic conditions, and natural disasters in comparison with Japan.*

*Finally, I was able to propose my own solutions. I would like to express my thanks to everyone who accepted me and taught me. I want to make use of this valuable experience in my next life.*

*Thank you.*







### **Mr. Kohei Noda**

*Mitsubishi Chemical, Japan*

*It was great experience to join Sustainability Initiative (SI) as an intern for 1 month. I'm working at chemical company in Japan, so, working at SI was different situation from what I do in Japan.*

*I got the opportunity to research 2 topics, one is about HR system. I analyzed HR system of VK group and compared it with Japan, and I suggested some new systems which can improve employee satisfaction. Another topic is researching pollution impact in Pune city. I found there is severe pollution problem in India, especially Air pollution. It seems government tasks to solve this kind of problem, but I believe that each awareness and action by individual will help to solve it. In addition to research, I learned so much during this intern such as culture, the way of thinking, work environment, and so on. I really appreciate to all of SI and VK member. It was unforgettable experience.*

*I wish I come to Pune again one day, thank you.*



### **Mr. Teppei Kubota**

*Hitachi Ltd., Japan*

*I was working at Sustainability Initiatives (SI) for one month. Here, I studied about "Green Building". "Green Building" is a one of key element for making a sustainable city so that several construction projects are being planned in Pune. In relation with "Green Building", I researched about the software to be used for daylighting calculation and how to reduce indoor air temperature due to concrete wall. Not only above, through this internship, I learned about a lot of Indian culture, such as faith, personality, language, architecture, food, work style, etc.*

*And also, I recognized how difficult to work in foreign country, especially to communicate in English. I really appreciate that SI members talked with me and to supported me. I want to use this precious experience in my future working. Thank you !*



**Mr. Hiroki Okamori**

Hitachi, Japan

*I joined the Sustainability Initiative for one month and it was a good opportunity from the work, culture experience and language learning point of view. Pune was a very beautiful city, not only has many historic places, people have a great passion for living therefore I could learn a lot of things through the daily life. Also, it goes without saying that the people of Sustainability Initiative are professional, and also, they were very kind. Thanks to the sufficient support from them, I was able to perform enough research activity in designated time scale. Pune is a valuable city to be protected through the mission of Sustainability Initiative. In Japan, I am actually an engineer related to power plants and have focused on stably supplying clean energy that does not emit carbon emission to cities. However, in here, I could additionally learn what type of initiatives are going to be needed to develop the environment friendly city. Throughout this one month, I am very proud that I have met a wonderful group of people pursuing sustainable development in a city that I supplied electricity. I am convinced that our activities will lead to the preservation of the global environment in the future and contribute towards realizing a better society. It was a short while, but thank you very much. I sincerely hope our paths cross again in the future.*

**Mr. Yuta Tsutsui**

Tokio Marine & Nichido Fire Insurance Co.,Ltd., Japan

*I participated in an internship in October 2019. Focusing on flood damage in Pune City on September 26, 2019, I investigated the causes and countermeasures of flooding in Pune and provided solutions. During the two-week period, I went to "Suzlon One Earth", famous for the Green Building, and walked nearly 20 kilometers around Pune city for fieldwork. The life of Pune, India, which I actually see is very beautiful and new, and I came to like Pune every time I walked. Not only SI members, but also the VK group were very kind and actively talked with me about rice and coffee time. I learned a lot about Indian culture, food and Pune as well as work.*

*Thanks to SI and VK group members.*



**Ms. Yachiyo Wakamoto**

*Tokio Marine & Nichido Fire Insurance Co. Ltd, Japan*

*I had great experience joining SI as an internship. In this internship, I learned about "Environmental Clearance", and compared this regulation between India and Japan. As a result of this topic, both India and Japan have the similar regulations of Environmental Clearance. I recognized that it is an important issue to be addressed in cooperation in the world. In addition to that, I learned the differences of the work styles in India from Japan. For instance, having breakfast, lunch, and coffee together at the cafeteria. I am fond of this company's culture and spicy lunch that I can get in the cafeteria. I would share my experience in SI with my colleagues in Japan, and promote work style reforms there.*

*Thank you for wonderful experience in SI and having me here.*





# Sl: Links

*Mentioned organisations have been associated with Sustainability Initiatives from time to time for different projects, activities and events*

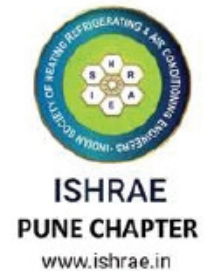






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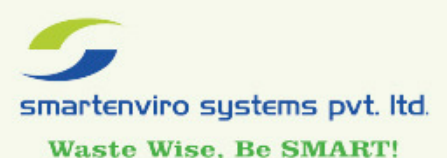
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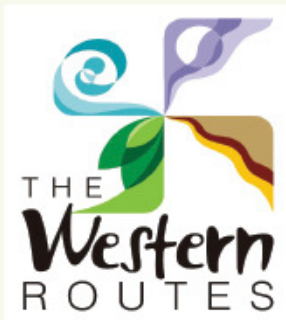




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