# Criteria 7 - Institutional Values and Best Practices

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SMEF's Brick Group of Institutes, S. No. 50/3, Undri, Pune - 411028 | M:+91 8380886066 | W: www.brick.edu.in

# 2019-20 to 2023-24

# Criterion 7 – Institutional Values and Best Practices

# Key Indicator 7.1 - Institutional Values and Social Responsibilities

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Satish Misal Educational Foundation's

- 5. Green audit / Environment audit
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# Index:

# 1. Beyond the campus environmental promotion activities

- a. Pune Plogathon
- b. Sustainable Stall- CREDAI 2022-23 & 2023 24
- c. Team Samakrut- Workshop and Meeting with Experts
- d. Anandvan Reserve Forest Tree Plantation
- e. Collaboration Meet Eco-Bhet by TEFF
- f. "Exploring Sustainable Solutions for Green Initiatives: A Site Visit to EcoFoundation's Innovative Recycling and Composting Practices".



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# a. Pune Plogathon

Faculty Coordinators: Ar. Sharduli Joshi, Ar. Vinita Lulla

"Plogging" is a concept devised in the contemporary age as a fun way of combining fitness with cleanliness. Our cities are turning into dumping grounds with excessive littering as a rampant nuisance. Innovative initiatives like Plogathons (Cleanliness drive marathons) help motivate citizens to partake in the responsibility of keeping their cities clean.

Students of SMEFs Brick school of Architecture participated in one such "Plogathon" organized by the Pune Municipal Corporation (PMC) under the Swachh Bharat Abhiyan on 5th June, on the occasion of World Environment Day. The faculty coordinators for the initiative from the institute were Ar. Vinita Lulla and Ar. Sharduli Joshi.

The students collected trash whilst jogging along the streets starting from SP College, all the way to Bhide Bridge, and collected 15 bags of Trash. The drive covered 134 roads in the city covering various heritage sites and a total of 45 parks in the city. The entire program concluded with an oath of cleanliness and awareness about different types of waste and importance of waste segregation. The activity sensitized the students of imbibing cleaning as a ritual and towards innovative ways of approaching waste management and cleanliness.

With an aim of spreading awareness about cleanliness amongst citizens, on the occasion of World Environment Day, the Pune Municipal Corporation (PMC) under the Swachh Bharat Abhiyan had organized a Plogathon drive on 5th June, which involved collecting trash whilst jogging in the morning hours. The Plogathon drive covered a total of 134 roads in the city, various heritage sites, a total of 45 parks in the city, etc.

Students from SMEFs Brick school of Architecture covered streets from SP College to Bhide Bridge, and collected 15 bags of Trash that morning. The entire program concluded with an oath of cleanliness and awareness about different types of waste and importance of segregation at Bhide Bridge. The students were sensitized towards the idea of Plogging and cleaning their city. Plogging a great way to get fit but with the added perks of doing a good deed and helping to clear up litter.



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Faculty and students participating in Pune Plogathon



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Faculty and students actively participating in Pune Plogathon



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### b. Sustainable Stall- CREDAI

### Student Partner Institution: SMEF's Brick School of Architecture

Date: 16.09.2022 and 05.04.2024

Faculty Coordinators: Ar. Vinita Lulla, Ar. Shreya Mirpagar, Ar. Ketaki Pednekar

Students: Akshita Sathe, Komal Kondhalkar, Parth Sable, Atharv Vanjari, Vaishnavi Hire, Tanya Tak, Stuti Bhagwat, Atharva Shinde, Kunal Choughule, Shreya Bhide, Akshita Rathi, Vishal Dayani, Keshav Agarwal, Khushi Lothe, Shivani Gautam, Akshay Mulate, Vaishnav Vinod, Anchal Mugdiya, Vanshika Parikh, Neha Patil, Ashutosh Gaware, Vaishnavi Hunachagi, Saurabh Sahane, Riya Manwatkar, Simran Sond, Saloni Rabra, Smita Limaye, Kadambari.

The Students and faculty members from SMEF's Brick School of Architecture under the guidance of Principal Dr. Poorva Keskar conducted Assessment for Sustainable Stall Competition. The Competition was organized at CREDAI- Pune Metro 21st Mega Property Exhibition which witnessed a heavy rush of home buyers. CREDAI-Pune Metro presented the Indian Green Building Council (IGBC) Sustainable Stall Award to deserving developers on the second day i.e. 17th September 2023. The IGBC Pune chapter in association with CREDAI-Pune Metro had announced the awards for developers who displayed eco-friendly measures at their stalls. The awards were given to the candidates at the hands of R. Malhotra, Chief General Manager of Bank of Baroda.

J.P. Shroff, Convenor of the Expo and Dr. D.K. Abhyankar, Director General, CREDAI-Pune Metro were present during the event.

"Based on several criteria including reusing of materials, limited usage of energy and paper and display of green messages on their cubicles, about 90 stalls were assessed by the students and the faculty mentors of SMEF's Brick School of Architecture. Based on the assessment, 12 stalls were selected and 6 were later finalized under the Large, Medium and Small stalls categories.

In the Small category stall first prize was given to IGCB Homes, while the second prize was given to Goel Properties. In the Medium category stall, the first prize was given to Atul Enterprises, while the second prize was given to Aditya Builders. In the Large category stall, the first prize was given to Rohan Builders, while the second prize was given to Naiknavare Properties.



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# **Photographs**



Students of SMEF's Brick School of Architecture conducting the Assessment of Sustainable Stall Competition





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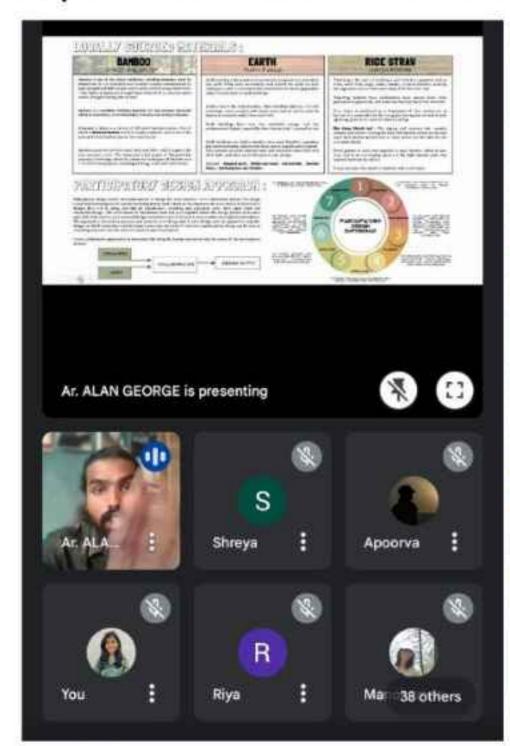
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# c. Team Samakrut- Workshops and meeting with Experts beyond the campus

# 1. Discussions with Ar. Alan Joseph

The expert session with Ar. Alan Joseph provided an in-depth understanding of his thesis project on "Community Resilience Shelters." His presentation highlighted the sensitive approach required in designing such centers, emphasizing building typology. The session also offered valuable insights into the effective representation of drawings, concepts, and ideas in the report.





# 2. Understanding Ecosystem - Dr. Prasanna Jogdeo

Dr. Prassana Jogdeo's session was instrumental in comprehending macro-level strategies for ecosystem sustainability and maintenance. The discussion facilitated a better understanding of ecosystem dynamics and topography, leading to further exploration of case studies related to watershed management programs.

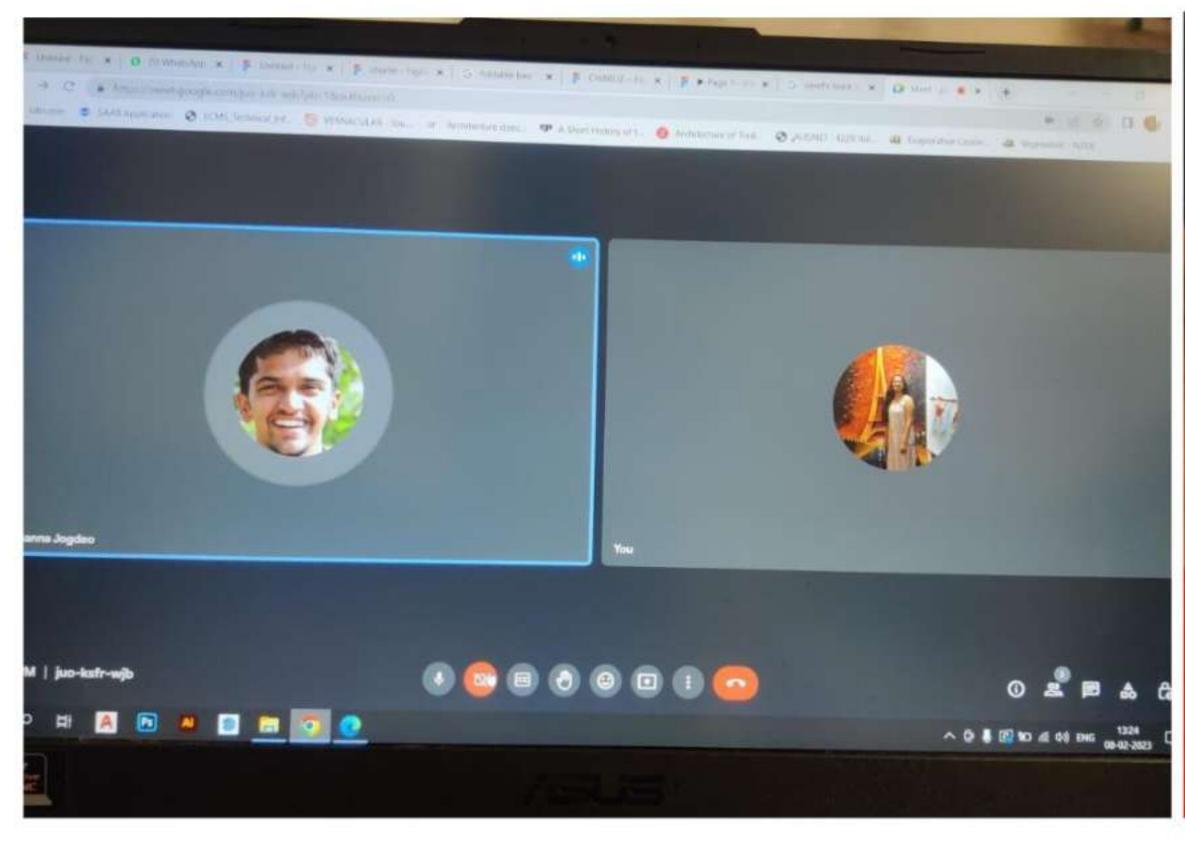


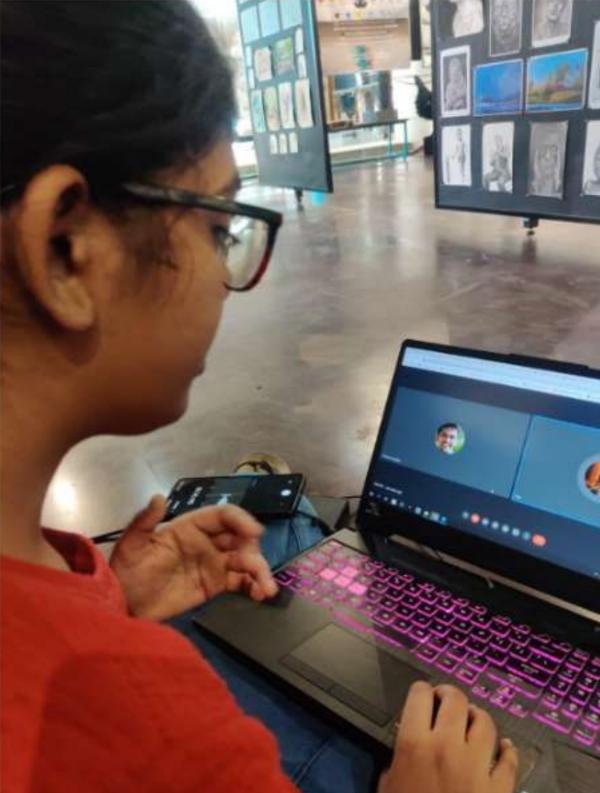
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### 3. Gaav Bhraman – Ar. Amruta Naidu

The "Gaav Bhraman" exhibition, curated by Ar. Amruta Naidu, showcased our proposal for Community Resilience Shelters. Team Samakrut volunteered at the exhibition, which provided an opportunity to meet Dr. Vikas Amte and discuss Anandvan and Community Resilience Shelters. The exhibition enriched our understanding of village daily activities and the use of local materials in construction.

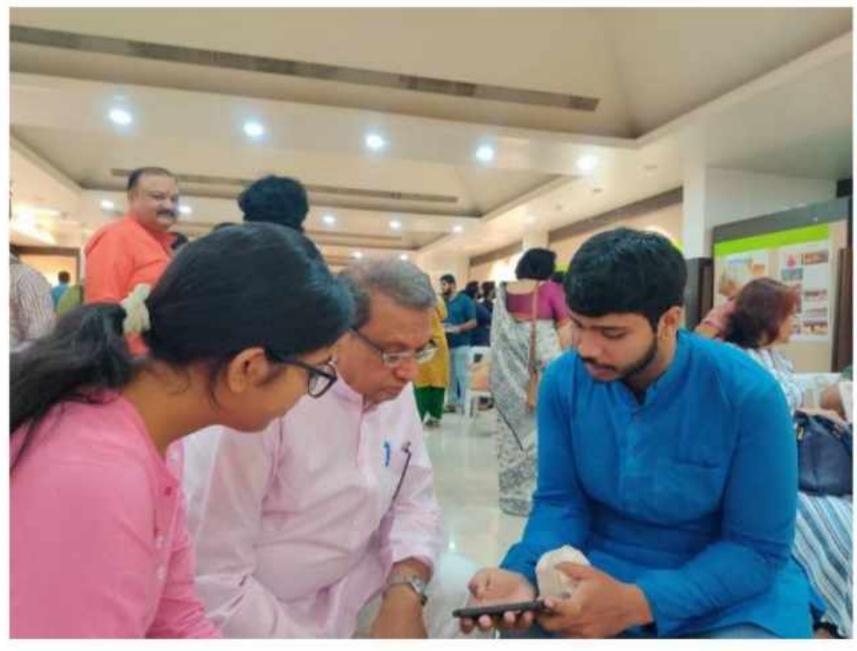


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URVEE Public Trust

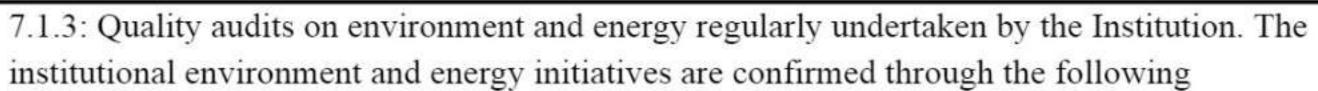
BRACT's Vishwakarma institute at

Information Technology, Pune



VK: e Environmental, Pune

# Criteria 7 - Institutional Values and Best Practices



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# 4. Vke – Environment - Discussion on the Final Presentation

Team Samakrut presented Deliverable 3 at Vke: Environment, functioning as a mock jury. Feedback and critiques from the Vke experts helped refine the deliverable report and improve pitch for the competition.







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# 5. Bamboo Expert Session - Vinay Kolte

Vinay Kolte, with over 20 years of experience in bamboo farming, shared his expertise on the use of bamboo as a construction material. The session provided insights into the workings of a bamboo nursery and the requirements for a seed bank, aligning with our project's proposal.

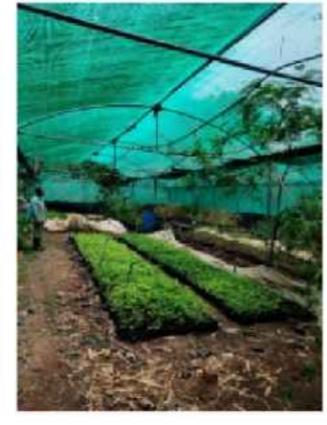


















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# d. Anandvan Reserve Forest Tree Plantation

Date: 23rd September 2023

Faculty: Ar. Vinita Lulla, Ar. Shreya Mirpagar, Ar. Ketaki Pednekar

**Student Volunteers:** Atharva Dashpute, Shruti Jadhav, Tanvi Bhoir, Hriday Sharma, Virenn Sanghvvi

Aim: To mitigate heat stress and pollution in the urban environment.

The idea and the initiative of Tree plantation underscores the critical role of trees in enhancing the health of the built environment.

# Objectives:

**To create Educational Impact:** To educate and inspire future architects about the importance of green initiatives in urban planning and the health of built environments.

**Environmental Improvement:** To reduce heat and air pollution levels in Anandvan Reserve Forest through strategic tree plantation.

**Community Engagement:** To involve students and faculty in hands-on environmental conservation efforts, fostering a sense of responsibility and awareness.

**Health Promotion:** To enhance the health and well-being of the local community by improving air quality and providing natural cooling.

**Biodiversity Enhancement:** To support local biodiversity by planting native tree species and creating a sustainable habitat for wildlife.

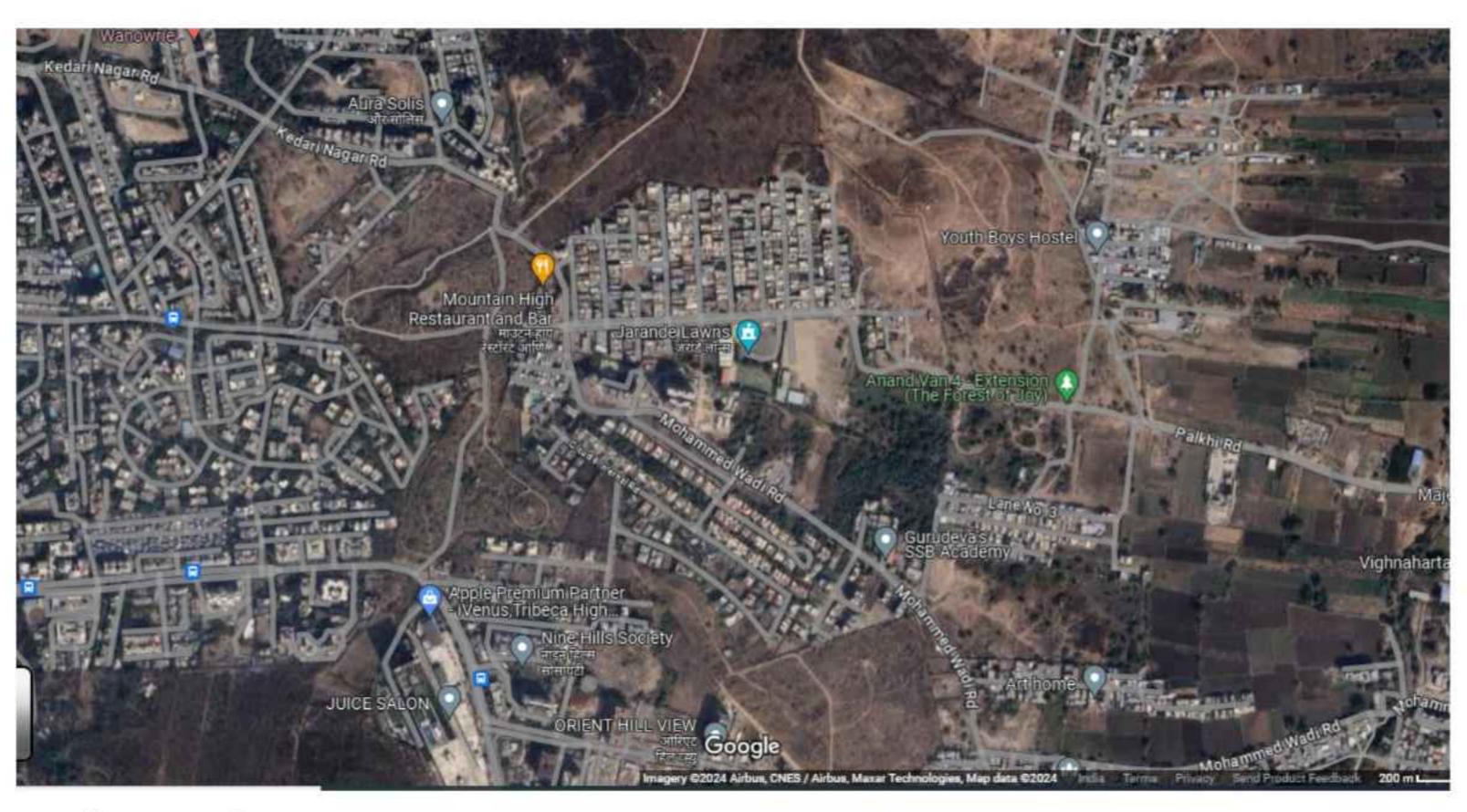


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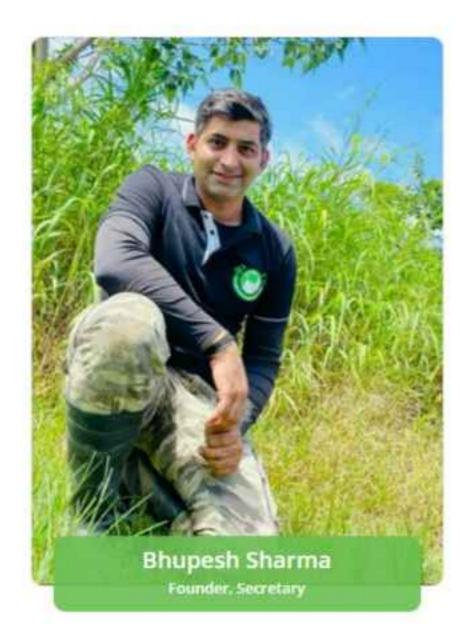




Location: Anandvan Reserve Forest-

Tree Plantation at Anandvan Extension 04 & Visit and discussion with the Managing Committee at Anandvan 1.

### Managing Committee:









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#### Photographs-

The students on arrival at the site for the plantation had an interaction with the Anandvan Forest Managing Committee. The managing committee sensitized the students with the discussion and awareness about the environment we live in and desire to live in.





The site for Tree Plantation- Anandan Extension 04

Students cheering the drive with the Founder & President
Pravin Kumar Anand





Students preparing base soil with Clay + Coco Peat +Organic Compost for Plantation



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Students Planting Trees

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## e. Collaboration Meet- ECO-BHET- The Great Eco-Bhet

Attended by: Ar. Shreya Mirpagar, Ar. Vinita Lulla, Ar. Ketaki Pednekar

Supported by: Ar. Rasika Apte, Ar. Rajlakshmi Dubey

Name of the Event: The Meet and Greet- ECO BHET (Annual Meet-Up)

Dates: 27th April 2024

Venue: Hotel Taj Blue Diamond, Pune

Conducted by: The Eco Factory Foundation, a non-profit organization in Pune, Maharashtra.

## Introduction of Organizers



#### Anand Chordia, Founder, The Eco-Factory Foundation, Pune

Anand Chordia with his team at the Eco Factory Foundation, is dedicated to promoting environmental sustainability and eco-friendly practices. Under the guidance of Mr Anand Chordia, the team have set forth a mission to make the world a greener and more sustainable place.

# Description of The Event-

The event began with a formal presentation that introduced various activities and initiatives to the stakeholders present. Mr. Anand Chordia provided a comprehensive overview of several key concepts critical to environmental sustainability. He discussed 'waste to wealth,' highlighting how waste materials can be repurposed to generate economic value. Additionally, he explained water management strategies essential for conserving this precious resource and explained methods for energy conservation to reduce overall consumption. Mr. Chordia emphasized the importance of reducing one's carbon footprint, elaborated on the principles of the circular



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economy, and explored how sustainability can be achieved across rural, urban, industrial, and individual sectors. He also discussed strategies for attaining a Net Zero status, where the total amount of greenhouse gasses emitted is balanced by the amount removed from the atmosphere.

The Eco-Bhet was designed to facilitate the exchange of ideas and practices related to environmental sustainability, aiming to foster positive changes in the Earth's ecosystem. The event provided a platform for stakeholders to collaborate and share innovative solutions for sustainable living.

One of the key highlights of the event was the detailed explanation of various initiatives undertaken by the Eco-Foundation Factory:

- 1. Sashwat Bharat Setu: This initiative stands as India's first and groundbreaking effort to make the country Net Zero. Sashwat Bharat Setu is a visionary program aimed at educating and empowering communities with the necessary knowledge and tools to lead sustainable lifestyles. Acting as a bridge towards a net-zero future, this initiative targets a diverse audience, including community leaders, environmental activists, educators, and students. It focuses on raising awareness and providing practical solutions to reduce carbon emissions and promote sustainability at the grassroots level.
- 2. Sashwat Bharat Krushi Rath: This initiative is a unique mobile knowledge center designed to emphasize the significance of sustainable farming practices and rural entrepreneurship. The Krushi Rath travels to various rural areas, offering demonstrations and workshops that illustrate the benefits of sustainable agriculture. It also provides information on how rural communities can engage in entrepreneurial activities that are both environmentally friendly and economically viable.
- 3. India's First-Ever Waste Management Park: This project marks the establishment of India's first Waste Management Park, which serves as a learning and awareness center. The park showcases various waste management practices, demonstrating how waste can be effectively managed and repurposed. It aims to educate the public about the importance of proper waste management and the potential for transforming waste into valuable resources.



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4. Vrikshadan Abhiyan: This initiative involves the establishment of 'Free Tree Malls' across different locations in the city. These distribution points provide free saplings to the public, encouraging tree planting and green cover enhancement. Vrikshadan Abhiyan is a unique drive aimed at increasing urban greenery, improving air quality, and fostering a culture of environmental stewardship among city residents.

The event underscored the importance of collective action in addressing environmental challenges and highlighted the innovative approaches being adopted by the Eco-Foundation Factory to promote sustainability. By bringing together diverse stakeholders and showcasing successful initiatives, the event aimed to inspire further efforts towards creating a sustainable future.

# Photographs of the Event





Picture- Mr. Anand Chordia addressing the Stakeholders at the event.



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Invitation for the Event

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# f. "Exploring Sustainable Solutions for Green Initiatives: A Site Visit to EcoFoundation's Innovative Recycling and Composting Practices".

Co-ordinated by: Ar. Shreya Mirpagar, Ar. Rajlakshmi Dubey, Ar. Ketaki Pednekar Ar. Vinita Lulla, Ar. Rasika Apte

Dates of visit: 30th April 2024

Reason for selection of this site: The Eco Foundation Factory (TEFF), where sustainability isn't just a goal, but a way of life. They are committed to fostering sustainable practices in three key verticals: Rural, Urban, and Industrial sectors. Their mission is to empower individuals and communities to embrace sustainable lifestyles and practices, ensuring a healthier planet for generations to come.

Recognized for their dedication to sustainability, they are proud recipients of numerous awards, including the prestigious Energy Globe National Award in 2020. This accolade, bestowed upon them by the Energy Globe Foundation in Austria, celebrates their efforts to foster sustainable living on a national scale.

TEFF's mission is to revitalize society and nurture Mother Earth, promoting the abundance of natural resources and sustainable life systems. Central to this mission is the commitment to increasing awareness of waste management and the importance of sustainable practices.

Through their vision and mission, we undertook a visit to gain insights into the fundamental principles of incorporating sustainability into everyday practices at BRICK. Noteworthy among their initiatives are Shaswat Bharat Setu, Shaswat Bharat Krushi Rath, **Waste Management Park**, and Vrikshadan Abhiyaan. Among these, particular interest is directed towards the Waste Management Park, where we envisage an enhanced engagement with the organization to emulate analogous models within the green infrastructure framework of the BRICK campus. Our focus encompassed diverse aspects ranging from the management of food waste, electronic waste, to plastics, and the methodologies employed therein, including recycling, upcycling, and decomposing techniques.



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**Summary of the inputs given before the site visit:** The site visit was conducted to identify and understand how certain sustainable solutions are being implemented at a particular location. Also, to understand the feasibility of the green initiatives that can be adopted.

# Summary of the visit:

Following are the sustainable practices that can be adopted by and at BRICK campus-

- 1. Green Spaces: Create more green spaces, such as gardens and green roofs, which can serve as outdoor classrooms and relaxation areas, promoting biodiversity.
- 2. Waste Reduction and Recycling: Implement comprehensive recycling programs, compost waste, and reduce single-use plastics on campus.





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- 3. Digital Transformation: Reduce paper usage by promoting digital submissions, online resources, and e-books.
- 4. Engagement and Awareness
- 4.1 Green Campus Committee: Establish a committee dedicated to promoting and overseeing green initiatives, comprising students, faculty, and staff.
- 4.2 Sustainability Challenges: Organize challenges and competitions focused on sustainability, such as design competitions for eco-friendly structures or energy-saving campaigns.
- 4.3 Awareness Campaigns: Run campaigns to raise awareness about environmental issues and the importance of sustainability in architecture.

By incorporating these green initiatives, BRICK will be able to reduce its environmental footprint and also instill a strong sense of sustainability in its students, preparing them to become environmentally conscious professionals in the field of architecture.

#### Photographs:









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