

SHRIVASANTRAOBANDUJIPATILTRUST'S
**APPASAHEB BIRNALE COLLEGE OF
ARCHITECTURE, SANGLI**

(Approved by AICTE, C.O.A New Delhi, Affiliated to Shivaji University Kolhapur) District – Sangli 416416

Criterion–VII

Institutional Values and Best Practices

Key Indicator 7.2 Best Practices




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OF ARCHITECTURE, SANGLI



SHRI VASANTRAO BANDUJI PATIL TRUST'S

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ARCHITECTURE, SANGLI**

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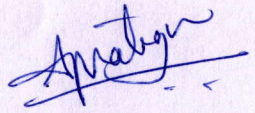
CRITERION :VII

Institutional Values and Best Practices

Key Indicator 7.2-Best Practices

**7.2.1 Best practices successfully implemented by the Institution in
Year 2023-24**




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1.0 Open Space Development - 2023/24

2.0 Rainwater Harvesting System Model



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Criteria 7.2: Best Practices

7.2.1 Best Practices successfully implemented by the institute during the year 2023-24.

1.0 OPEN SPACE DEVELOPMENT AT ANANDVAN BALOUDYAN -2023/24

1. Title of the Practice

Sustainable Open Space Development Using Recycled and Waste Materials at Anandan Baloudyan, 100ft road, Vishrambag, Sangli.

2. Objectives of the Practice

To promote sustainability by creating open spaces using recycled materials like plastic bottles, tyres, bamboo, and building waste, fostering environmental awareness, creativity, and community engagement.

3. The Context

In the face of rapid urbanisation and waste accumulation, the college sought to address both the shortage of functional open spaces and the growing environmental concerns. The challenge was integrating recycled materials into aesthetic and usable designs within budget constraints.

4. The Practice

Students of Appasaheb Birnale College of Architecture designed and built an open space using waste and recycled materials, including plastic bottles, tyres, bamboo, and construction debris. The project encouraged innovation and highlighted eco-friendly construction methods while addressing space shortages. Challenges included sourcing quality materials and ensuring structural integrity, but creative solutions were employed.

5. Evidence of Success

The completed open space became a popular spot for students and visitors, demonstrating the viability of using waste materials in construction. The project gained positive feedback for its aesthetic appeal, functionality, and environmental contribution. The success was measured by the increasing engagement in eco-friendly initiatives on campus.

6. Problems Encountered and Resources Required

Challenges included sourcing sufficient quantities of suitable waste materials, dealing with the technical difficulties of recycling complex materials, and managing labor and time constraints. Resources needed included skilled labor, collection infrastructure, and collaboration with local recyclers.

7. Notes

This project can serve as a model for other institutions looking to address waste management while creating functional, green spaces. Replicating the practice requires community collaboration, sustainable material sourcing, and strong

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project management. It reinforces the values of sustainability, creativity, and social responsibility.

Photographs: -



2.0 Rainwater Harvesting System; A Sustainable Solution for Water Management

1. Title of the Practice

Rainwater Harvesting Awareness and Demonstration through Model Construction

2. Objectives of the Practice

To raise awareness about the importance of rainwater harvesting, educate the community on sustainable water management, and demonstrate practical solutions through a functional demo model of a rainwater harvesting system.

3. The Context

Peoples faces water scarcity, especially during dry seasons, necessitating the need for alternative water sources. There was a lack of awareness and practical demonstrations regarding rainwater harvesting systems, making the intervention crucial for community development.

4. The Practice

Students of Appasaheb Birnale College of Architecture designed and implemented a functional rainwater harvesting model on campus to demonstrate its practicality. The project incorporated simple techniques, and community participation, addressing water scarcity issues. Limited resources and technical expertise were challenges, but they were mitigated through collaboration with local experts and cost-effective design solutions.

5. Evidence of Success

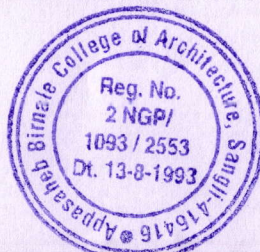
The demo model was successfully integrated into the college campus, leading to increased student and local community awareness. The project's success was measured by the active participation in workshops and the number of visitors seeking advice on implementing similar systems. The model effectively demonstrated sustainable practices in water management.

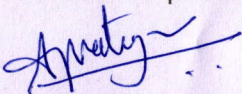
6. Problems Encountered and Resources Required

Challenges included limited technical knowledge and financial constraints for material procurement. The project required expertise in rainwater harvesting design, access to materials, and coordination with local authorities for execution.

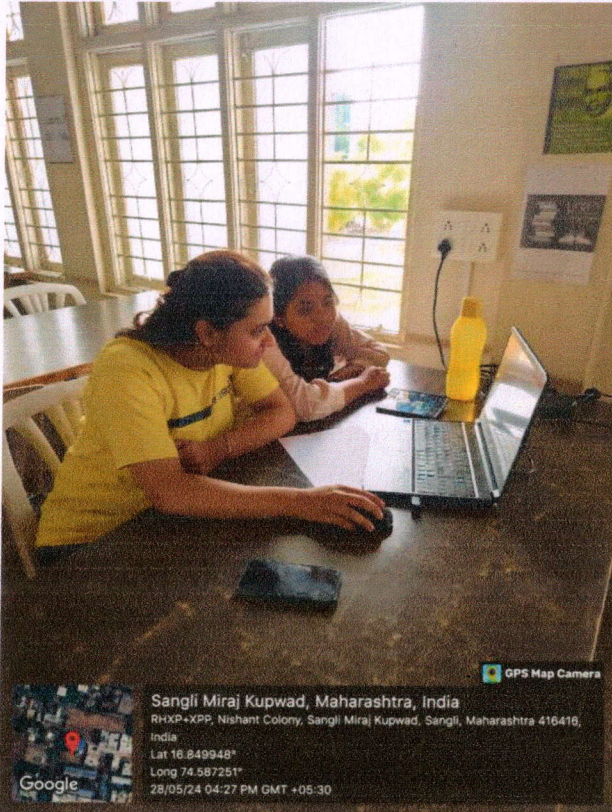
7. Notes

This initiative can be replicated in other institutions with a focus on local water management issues. By incorporating students' involvement, it fosters a sense of environmental responsibility and provides a platform for sustainable design practices. The hands-on experience also strengthens the students' practical knowledge.




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