

SHRI VASANTRAO BANDUJI PATIL TRUST'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 7.1**

**Institutional Values and Social Responsibilities**

**VC. PRINCIPAL,  
APPASAHEB BIRNALE COLLEGE  
OF ARCHITECTURE, SANGLI.**





SHRI VASANTRAO BANDUJI PATIL TRUST'S

## APPASAHEB BIRNALE COLLEGE OF ARCHITECTURE, SANGLI

(Approved by AICTE, C.O.A New Delhi, Affiliated to Shivaji University Kolhapur)  
South Shivajinagar, Sangli Miraj Road, Sangli-416146. Ph. No- (0233) 2320294, 2322336.  
Website- [www.abcasangli.edu.in](http://www.abcasangli.edu.in) Affiliated: Shivaji University Kolhapur

**Principal: - Dr. Arundhati P Wategave Ph.D.**

### 7.1.6.5\_ Beyond The Campus Environmental Promotional Activities

## INDEX

1.0	Rainwater Harvesting System Model
2.0	Open Space Development

  
VC. PRINCIPAL,  
APPASAHEB BIRNALE COLLEGE  
OF ARCHITECTURE, SANGLI.





SHRI VASANTRAO BANDUJI PATIL TRUST'S

## APPASAHEB BIRNALE COLLEGE OF ARCHITECTURE, SANGLI

### 1.0 Rain water harvesting model and video Collaboration with Sangli-Miraj-Kupwad Municipal Corporation (SMKC)

Organized by **Nature Club**, Appasaheb Birnale College of Architecture, Sangli, in Collaboration with Sangli-Miraj-Kupwad Municipal Corporation (SMKC)

**Dates:** 25th May 2024 to 3rd June 2024

**Venue:** Appasaheb Birnale College of Architecture Campus

In an inspiring initiative under the **Mazi Vasundhara Abhiyan**, the **Nature Club** of Appasaheb Birnale College of Architecture (ABCA), Sangli, in collaboration with the **Sangli-Miraj-Kupwad Municipal Corporation (SMKC)**, conducted an **Environmental Awareness Program** from 25th May to 3rd June 2024. The program emphasized the critical importance of **water conservation** and **sustainable design practices** in addressing environmental challenges.

This initiative demonstrated the potential of architecture students to lead impactful initiatives for environmental conservation. Through their model and awareness campaign, the students of ABCA showcased innovative solutions for addressing water conservation challenges, leaving a lasting impression on the community.

### Program Highlights

#### 1. Rainwater Harvesting Model

Students from ABCA designed and constructed a detailed **working model of a rainwater harvesting (RWH) system** to demonstrate its practical applications in residential buildings. The model highlighted:



RHXP+XPP, Nishant Colony, Sangli Miraj Kupwad, Sangli, Maharashtra  
416416, India

Latitude  
16.8498746°

Local 01:46:16 pm  
GMT 08:16:16 am

Longitude  
74.5872291°

Altitude 559 meters  
Saturday, 25.05.2024

*Apnagave*  
V.C. PRINCIPAL,  
APPASAHEB BIRNALE COLLEGE  
OF ARCHITECTURE, SANGLI.



- **Rooftop Water Collection:** Showcasing how rainwater can be efficiently captured from rooftops during rainfall.
- **Storage System:** A functional connection from the rooftop to an underground water tank for water storage.
- **Stormwater Management:**
  - Integration of **swales** to direct surface runoff.
  - Use of **perforated pipes** below the swales for groundwater recharge.

This model aimed to present a clear and simple approach to implementing rainwater harvesting and managing stormwater, making it relatable to the local community.



*Appasaheb*  
 VC. PRINCIPAL,  
 APPASAHEB BIRNALE COLLEGE  
 OF ARCHITECTURE, SANGLI.





*Appasaheb*

VC. PRINCIPAL,  
APPASAHEB BIRNALE COLLEGE  
OF ARCHITECTURE, SANGLI.

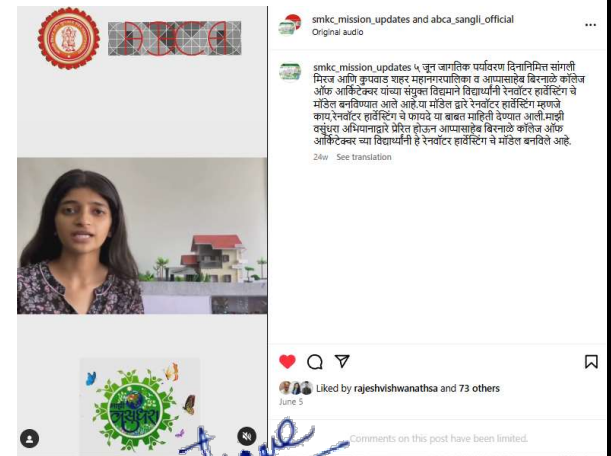


## 2. Awareness Video Campaign

As part of the initiative, the students prepared an **educational video** in **Marathi**, the local language, ensuring effective communication with the community. The video, uploaded on **SMKC's official Instagram page** on **World Environment Day (5th June 2024)**, aimed to:

- **Explain Rainwater Harvesting:** The video described what rainwater harvesting is, how it works, and why it is essential for sustainable living.
- **Promote Water Conservation:** It underscored the importance of saving water and reducing water scarcity through innovative practices.
- **Highlight Benefits:** The video detailed the advantages of rainwater harvesting, including reduced dependence on groundwater, increased water availability, and environmental benefits.

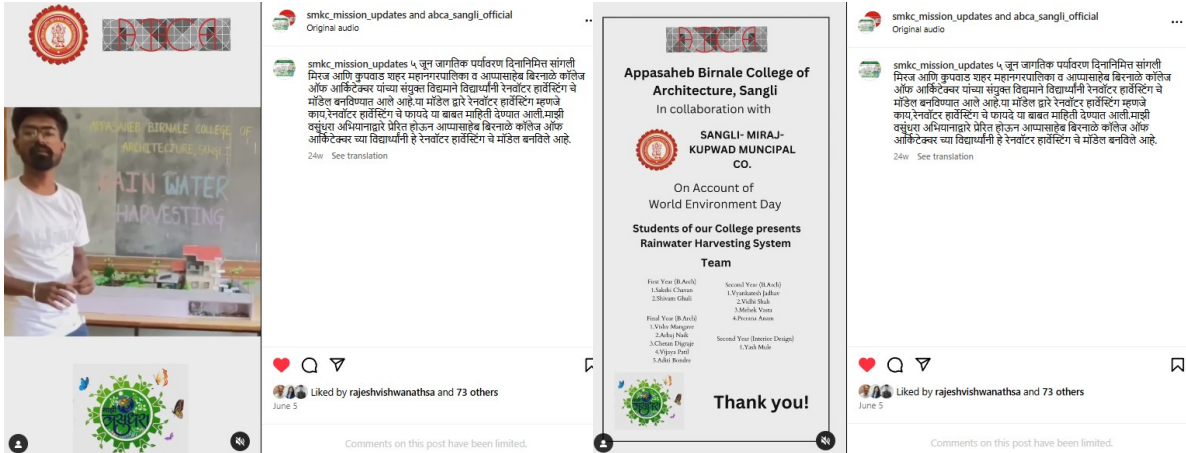
The use of **easy language** ensured that the video resonated with the local community, making the message accessible and impactful for a wider audience.



*Apptique*

VC. PRINCIPAL,  
APPASAHEB BIRNALE COLLEGE  
OF ARCHITECTURE, SANGLI.

Appasaheb Birnale College of Architecture, Sangli  
Reg. No. 2 NGP/ 1093 / 2553  
Dt. 13-8-1993



### 3. Social Media Collaboration

The **Sangli-Miraj-Kupwad Municipal Corporation (SMKC)** provided a collaborative platform by sharing the video on their official Instagram page. This step significantly amplified the campaign's reach, inspiring citizens to adopt similar sustainable practices.

LINK: <https://www.instagram.com/reel/C70u8ERNdar/?igsh=MWVrMTQybXVyYW5lcQ==>

  
**V.C. PRINCIPAL,**  
**APPASAHEB BIRNALE COLLEGE**  
**OF ARCHITECTURE, SANGLI.**



## Key Messages from the Campaign

"On the occasion of **World Environment Day**, in collaboration with Sangli-Miraj-Kupwad Municipal Corporation and Appasaheb Birnale College of Architecture, students have created a **rainwater harvesting model**. The model demonstrates how rainwater harvesting works and highlights its numerous benefits. Inspired by the **Mazi Vasundhara Abhiyan**, this initiative emphasizes the importance of water conservation for a sustainable future."

## Outcomes of the Program

1. **Enhanced Understanding:** Students gained hands-on experience in designing sustainable systems and understood the significance of water conservation in urban planning.
2. **Community Awareness:** The Marathi-language video successfully communicated key environmental messages to the local community.
3. **Wider Reach:** The SMKC Instagram platform provided the program with extensive visibility, encouraging the adoption of rainwater harvesting in the region.
4. **Inspiration for Change:** The program inspired participants and viewers to take proactive steps toward sustainable living, aligning with the goals of the **Mazi Vasundhara Abhiyan**.

## Acknowledgments

The success of this program was made possible through the combined efforts of:

- **Sangli-Miraj-Kupwad Municipal Corporation** for their support and outreach platform.
- **Ar. Rajesh Sathe** and **Ar. Pranali Kulkarni** for coordinating the initiative.
- **Ar. Akanksha Chavan** for her technical expertise in guiding the students.
- The students of ABCA for their creativity, dedication, and commitment to environmental conservation.

  
VC. PRINCIPAL,  
APPASAHEB BIRNALE COLLEGE  
OF ARCHITECTURE, SANGLI.





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

  
VC. PRINCIPAL,  
APPASAHEB BIRNALE COLLEGE  
OF ARCHITECTURE, SANGLI.



# Photographs: -



*Apptique*  
VC. PRINCIPAL,  
APPASAHEB BIRNALE COLLEGE  
OF ARCHITECTURE, SANGLI.



# Photographs: -



*Apatisque*  
VC. PRINCIPAL,  
APPASAHEB BIRNALE COLLEGE  
OF ARCHITECTURE, SANGLI

