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7.1.2

Water conservation



® SKP Campus, Baner, Balewadi, Pune Pali Was INDIA e-411045

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### SHRI KHANDERAI PRATISHTHAN'S

### DNYANSAGAR INSTITUTE OF MANAGEMENT & RESEARCH

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### 7.1 Institutional Values and Social Responsibilities

### 7.1.2

The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures
- 2. Management of the various types of degradable and non-degradable waste
- 3. Water conservation
- 4. Green campus initiatives
- 5. Disabled-friendly, barrier free environment

# **Supporting Documents Index**

### [Water Conservation]

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### Water conservation

### Rain water harvesting





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Pipeline of Rain Water Harvesting

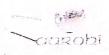


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### GREEN WORLD CONSULIANT (ENVIRONMENTS & GREEN BUILDING)



ENVIRONMENTS | WATER | WASTE | ENERGY | SOLAR | LAB

- Twww.aarohigroup.in | www.greenenvironments.in
- aarchigroup@gmail.com | greenbuildingenvironment.com
- Office 68 / 69, Sangamwadi (Khadki),
   Mumbai Pune Road, Shivajinagar,
   Pune 411 003
   992 344 1469 | 9373 977 777

(Govt.of India MSME-370, Govt.of Maharashtra MCED-024292, CSE New Delhi Certified, REGD.NO.Khadki/II/3526 & PMC 1782 & 945, IGBC Member)

Date- 28/05/2019

#### **CERTIFICATE**

This is certified that under supervision and consultancy of M/s GREEN

WORLD CONSULTANT has implemented Rain water harvesting project in the

Expecting Manner and given the NOC for the Site at ----

Sr. No.4/2, 4/3, Balewadi, Pune.

Name of Owner/PAH- M/s Shri Khanderai Pratishthan

The details are bellow

1. Number of down take pipes

Sr.No.	Name of wing/ Building	No. of down take Pipes	Underground tank provided with capacity	Remarks
1.	Bld – A Educational Bld	02	Not Provided	Not for drinking purpose
Total	Bld - !	02	Not Provided	Not for drinking purpose

P.T.O.



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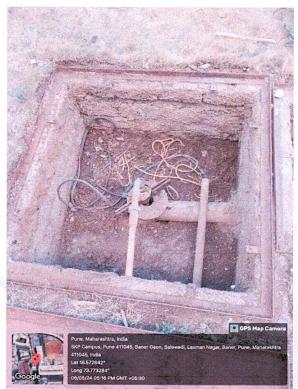
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### Bore wells:





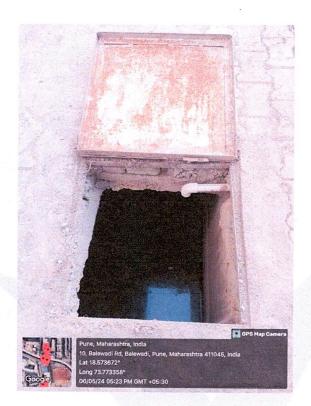


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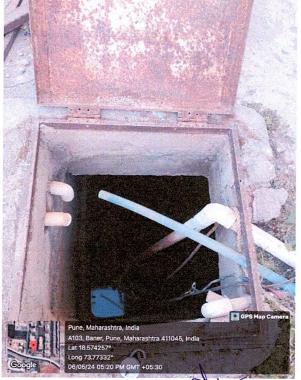
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### **Tanks**









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### "Save Water" labeling at "Drinking Water Facility"



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### **Workshop on Rain Water Harvesting**

Event Name: Workshop on Rain Water Harvesting

Event Date: 5th July 2019





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Dnyansagar Institute of Management & Research (DIMR) organized a comprehensive workshop on Rainwater Harvesting on 5th July 2019. The workshop aimed to raise awareness about the importance of rainwater harvesting techniques and their role in sustainable water management practices.

#### **Objectives of the Event:**

- To educate participants about the principles and benefits of rainwater harvesting.
- To highlight the significance of scientific groundwater recharge systems.
- To provide insights into the role of aquifers and natural water banks in replenishing groundwater.
- To empower participants with knowledge and skills to implement rainwater harvesting solutions effectively.

#### **Event Description:**

The workshop commenced with an introduction by Mr. Sajid Alvi, Director of DIMR, who emphasized the importance of water conservation and the need for innovative solutions like rainwater harvesting. The session then proceeded with informative presentations by distinguished experts:

#### Mr. Shashank Deshpande:

Senior Geologist and Expert Hydrologist, shared insights on "Aquifers - Water Banks of Nature," discussing the geological aspects of groundwater storage and the importance of preserving aquifers for sustainable water supply.

#### Dr. Himanshu Kulkarni:

Founder & Executive Director of ACWADAM, enlightened participants on the "Importance of Scientific Groundwater Recharge Systems," emphasizing the need for scientific approaches to recharge groundwater and mitigate water scarcity.

The presentations were accompanied by detailed explanations and illustrations, providing participants with a comprehensive understanding of rainwater harvesting techniques, including rooftop rainwater harvesting, percolation pits, and recharge wells. Interactive discussions and Q&A sessions allowed participants to clarify their doubts and gain practical insights into implementing rainwater harvesting systems.

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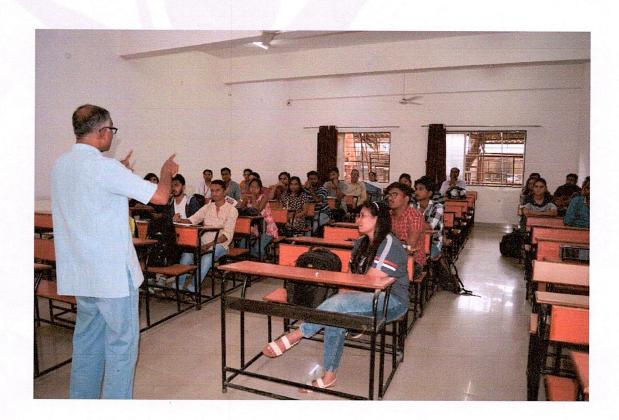
#### **Learning Outcome:**

Participants gained a deeper understanding of the principles, techniques, and benefits of rainwater harvesting for sustainable water management.

The workshop provided insights into scientific groundwater recharge systems, empowering participants to contribute to groundwater replenishment efforts.

Attendees learned about the significance of aquifers as natural water storage reservoirs and the importance of preserving them for future generations.

Participants acquired practical knowledge and skills to design, implement, and maintain rainwater harvesting systems, enabling them to make a positive impact on water conservation efforts in their communities.





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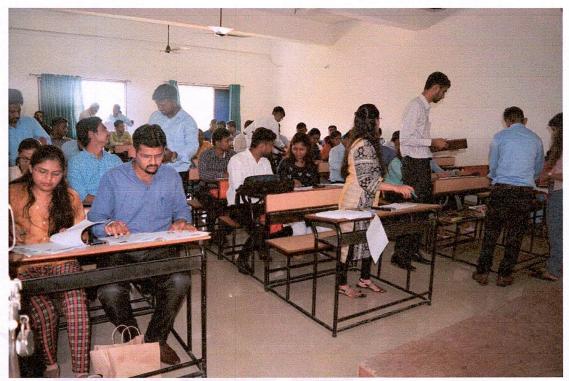
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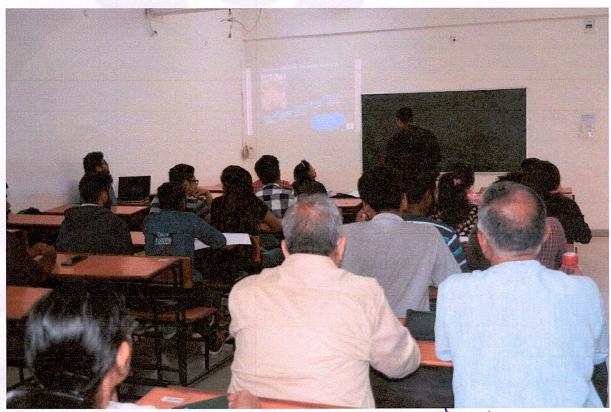
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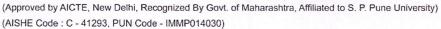
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### **Climate Collective Outreach Event**

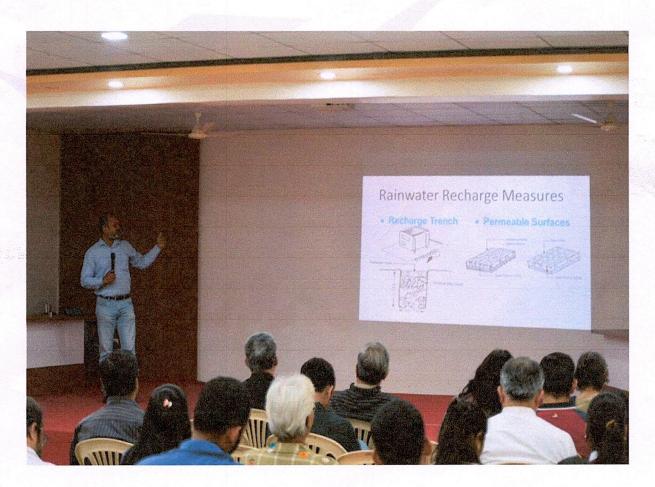
**Event Type:** Extension & Outreach Activity

Event Name: Climate Collective Outreach Event

Day & Date: Sunday, 16<sup>th</sup> December 2018

Venue: SKP campus

Collaboration: Climate Collective Pune





Expert discussing with the audience different means of water conservation

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### **Objectives of the Event:**

- To create the awareness among the citizens about the environmental preservation and climate change actions.
- To spread the message of energy conservation.
- To create the awareness about the different means of water conservation.

#### **Event Description:**

"Being ignorant is not so much a shame, as being unwilling to learn". Unawareness can be spared & worked upon but bewilderment towards the Environment can be fatal for the entire human race.

DIMR in association with 'Climate Collective Pune (CCP)' had organized a 'Climate Collective Outreach Event' on Sunday, 16th Dec 2018, in an endeavor to enhance the awareness about 'Environment Preservation and Climate Change Action' under the Climate Change initiative of the Pune International Centre (PIC).

The event was chaired by Prof. Amitav Mallik, Hon. Trustee, PIC. The speakers included Mr. Arvind Karandikar, Founder CEO, Nexus Energy who addressed the audience about the intimidating perils of alarming carbon emission and the importance of energy saving, conservation and adopting alternative energy options.

Mr. Ravindra Sinha, Co-founder of Mission Groundwater and Water Conservation Activist, spoke about how we need to be proactive in water preservation before it's too late. The measures we can take in our routine life to save and preserve water and if we carry on being negligent then no reservoir is enough to quench our thirst.

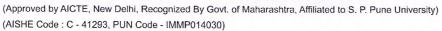
#### **Learning Outcome:**

- Citizens were encouraged for proper maintenance and preservation of environment.
- Citizens were made aware to alternative energy options.
- Citizens were encouraged to save water and energy which will be inspiration for the coming generations.

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**Policy Document** 



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#### POLICY DOCUMENT ON ENVIRONMENT AND ENERGY USAGE.

Policy for Green Campus/ Energy/Waste/Water management and conservation.

DIMR is committed to sustainable development in all its endeavours. Within its ambit it envisages to streamline ways of energy conservation and utilisation through socially responsible ways.

The main objective behind the Environment and Energy usage Policy of the institute is to manage energy in such a systematic way so as to minimize its impact on the environment. This environment and energy policy is binding for all the components of the institution and applies to all its stakeholders and to the various activities undertaken by the institution.

DIMR envisions a clean and Green Campus to promote sustainable and eco-friendly green practices within the campus and beyond. It focusses to streamline responsible waste management practices and on water management and conservation initiatives in its daily practices. It strives to explore the renewable energy resources and to find out substitute natural resources as solutions to the energy crisis. This will help us to embed efficiency and environmental awareness into our everyday activities, thus helping us to realize our responsibilities and commitment to conservation of natural resources and to limit its usage. The environment and energy policy will help us to embed efficiency and environmental awareness into our everyday activities, thus helping us to realize our responsibilities and commitment to conservation of natural resources and to limit its usage.

#### **Objectives:**

- To develop awareness about environmental issues.
- To understand one's responsibility towards energy conservation.
- To implement responsible procedures for waste management.
- To reduce waste production on campus for all activities and programs.
- To initiate water management and conservation practices.
- To encourage green practices within the campus and beyond.
- To maintain cleanliness and sanitation on campus.
- To provide a pollution free healthy environment.

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### Plan of implementation/ Practices

The College is committed towards sustainable development in all its endeavours. In accordance following are the areas to be considered for streamlining ways and procedures for environment and energy conservation;

- A. Energy conservation and management.
- B. Waste management -Solid, Liquid & E-Waste Management
- C. Water Conservation and Management.
- D. Clean & Green Campus.
- E. Paperless operating procedures.
- F. Ban on single-use plastics on the Campus.

### A. Energy conservation and management.

- To install and use LED bulbs in the College campus to save energy.
- To invest in power efficient equipments.
- To create awareness that small actions matter- Save Energy Labels/Posters are put up at various locations in the College.
- Use of natural lighting and ventilation is encouraged as and when possible.
- To take additional measures to continuously improve our energy consumption.
- To ensure the availability of necessary resources to achieve our objectives

#### B. Waste management -Solid, Liquid & E-Waste Management

- Two-way segregation of waste at source, on campus.
- Practice the 4 R's Reduce, Reuse, recycle and refuse wherever possible.
- Reduce waste production on campus.
- Sanitary Napkin Incinerator and Sanitary Napkin Disposal Machine is Installed and used
- Follow Eco friendly practices in daily activities and programs.
- Preference to eco-friendly items and material for packaging and decorations as well as for gifting/memento and felicitating guests.
- Recycle and recreate through best out of waste activities.
- To develop systematic waste management mechanism.

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### C. Water Conservation and Management.

- To use rain water recharge pit for water conservation and management.
- Periodic mending and repairs of leaks in taps and pipes is done.
- Planting indigenous variety of plants and less water requiring plants in the College campus.
- To create awareness that small actions matter by putting up Save Water labels /posters are put up in various places in the College.
- Organising water conservation activities for creating awareness amongst the faculty and students on the campus.

#### D. Clean & Green Campus.

- The green cover is reasonably good with trees and plants of indigenous variety. The college plans to work towards a more decent landscape.
- To undertake tree plantation drive consistently.
- To form a Green Club consistently.
- To reduce local air pollution emissions using environment-friendly vehicles, including bicycles, public transportation and use of pedestrian-friendly roads.
- To maintain cleanliness and sanitization throughout the campus.

#### E. Paperless operating procedures.

- Move towards a paperless office with E-office practices as encouraging communication through emails and other virtual platforms.
- Digital storage of documents through Google Account storage.
- To form subject wise WhatsApp groups and Google classrooms for communication and transaction of course content.
- To have College social media handles- Instagram, Facebook, LinkedIn etc
- To have a fully functional College website.

### F. Ban on single-use plastics on the Campus.

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Balewadi

To strive towards a plastic free campus with the prohibition on the use of single use plastic on Practice the 4 R's Reduce, Reuse, recycle and refuse wherever possible.

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- Prefer using bags made of eco-friendly material.
- Preference to eco-friendly items and material for packaging and decorations as well as for gifting/memento and felicitating guests, during various programs.

#### **Conclusion:**

The above strategies and procedures of implementation are subject to change in view of need and demands of time. This policy will be communicated to all the students, staff and employees of the College. All the stakeholders are required to abide by the policy to make the college campus green, clean and eco-friendly.



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