



# PATEL INSTITUTE OF SCIENCE AND MANAGEMENT

Kariyammana Agrahara, Bellandur PO, Marathalli, Bengaluru-560103

## **Waste management and environmental improvement measures to ensure a sustainable Green Campus**

At Patel Institute of Science and Management, we are committed to preserving the environment and reducing our carbon footprint. We understand the importance of maintaining a sustainable Green Campus for the benefit of our students, faculty, and the community at large.

To achieve this, we have implemented a comprehensive waste management system on our campus. Our waste management program includes the collection, segregation, and proper disposal of waste generated on the campus. We have designated waste collection areas for different types of waste, including recyclable materials, organic waste, and hazardous waste. Our dedicated waste management team ensures that all waste is properly segregated and disposed of in an eco-friendly manner.

We have also implemented various environmental improvement measures to promote a sustainable Green Campus. We have also implemented energy-efficient measures, such as the installation of LED lights, which help us to reduce our energy consumption.

We are constantly exploring new ways to improve our environmental sustainability and reduce our impact on the environment. Our students and faculty are encouraged to actively participate in our sustainability efforts and contribute to building a greener and more sustainable future.

At Patel Institute of Science and Management, we are committed to creating a sustainable Green Campus and ensuring that we leave behind a clean and healthy environment for future generations.

### **Context**

The relationship between PISM and nature is a long and enduring one, something that students and staff of the college are aware of. Since 2018, the college has always had sustainable initiatives at the core of all activities.

### **Scope of the Policy**

The Green Campus, Energy and Environment Policies will develop exciting new co-curricular and extracurricular practices that encourage students to take the lead in creating positive change. These initiatives call for a thorough review of all infrastructural, and administrative functions from the standpoints of energy efficiency, sustainability and the environment.

The focus areas of this policy are:

- Clean Campus Initiatives
- Landscaping Initiatives
- Clean Air Initiatives

◆ Smoking Free Campus

- Infrastructure
- Installation of Energy Efficiency Equipment
- Water Conservation through Rainwater Harvesting System
- Solid Waste Management
- Liquid Waste Management
- E-Waste Management
- Awareness Initiatives
- Environment-centric Student Societies and Department Activities
- Green Audit
- Energy Audit
- Plastic-Free Campus

#### **Objectives of the Policy**

- To protect and conserve ecological systems and resources within the campus.
- To ensure judicious use of environmental resources to meet the needs and aspirations of the present and future generations.
- To integrate environmental concerns into policies, plans and programmes for social development and outreach activities.
- To work with all stakeholders and the local community to raise awareness and seek the adoption of environmental good practice and the reduction of any adverse effects on the environment.
- To continuously improve our contribution to climate protection and adaptation to climate change and to the conservation of global resources.
- To continuously improve the efficient use of all resources, including energy and water, and to reduce consumption and the amount of waste produced, recovering and recycling waste where possible.
- To make the campus plastic free.
- To conduct environmental and energy audits from time to time.
- To minimize the use of paper in administration through having policy for E-governance.

#### **Policy:**

##### **Clean Campus Initiatives**

- PISM had pledged to actively coordinate cleanliness activities in the college and beyond the campus in accordance with the vision of Swachh Bharat Abhiyan. It commits to continuing with this Programme. The broad vision is as follows:
- Generating mass awareness of cleanliness and hygiene amongst students and staff members by holding regular cleanliness drives. The idea is to motivate them to contribute in a proactive manner.

→ We commit to install environment-friendly electrical appliances that save energy and reduce wasteful inefficiencies. The college believes in using cleaner energy such as LED lighting.

→ **Water Conservation through Rainwater Harvesting System**

→ PISM has committed itself to this effort to replenish the groundwater table by practicing rainwater harvesting. This practice helps in the replenishment and recharge of the groundwater.

→ **Waste Management Processes**

→ PISM strives to have a minimal impact on the environment and is dedicated to reduce and manage the waste generated by the college campus. The following specific procedures will be undertaken to ensure PISM's contribution in protecting the environment.

→ **Solid Waste Management**

With its aim to provide holistic education that also has a positive impact on the environment, the college will adopt practices that will mitigate the generation, and manage solid waste through the following methods:

→ Systematically engage with the 3Rs of environment

→ friendliness (Reduce, Reuse and Recycle).

→ Collect paper waste produced on campus and collaborate with scrap dealers for recycling.

→ Reduce solid waste by developing a technology-centric teaching and administrative model.

→ Reduce use of paper by supporting digitization of attendance and internal assessment records.

→ Reduce the requirement of printed books by updating the e-books and e-journals collection of the college library.

→ Encourage the students and teachers to use emails for assignment submissions.

→ Take initiatives to spread awareness amongst students about

→ Food wastage and ways of minimizing it

→ Minimizing the use of packaged food

→ The habit of reusing and recycling non-biodegradable products

→ Organizing workshops for students on solid waste management.

→ **Liquid Waste Management**

→ Maintain leak-proof water fixtures.

→ Minimize the use of water by constructing more Indian-style toilets

- Activities under 'Swachh Bharat Abhiyan' will be a key component of all the community work being done by NSS, NCC and Green Society volunteers of the college.
- Staff Members will be encouraged to participate in the cleanliness drive on the college campus.
- Events such as poster and slogan competitions, essay writing, spoken word poetry, speeches, and skits on 'Swachh Bharat' will be organised.
- Rallies on themes connected with 'Swachh Bharat Abhiyan' in and around the college campus will be conducted to create mass awareness.
- Remove all kinds of waste materials like broken furniture, unusable equipment etc.
- Administer of the pledge by students and staff members to maintain the cleanliness of the college campus and its surrounding areas on an annual basis.
- Conduct workshops on the 3Rs: Reduce, reusing and recycling of waste.
- Commit to managing waste and maintaining a clean campus, especially during college events.

#### **Landscaping Initiatives**

- The campus landscape, like its buildings, can be seen as the physical embodiment of a college's values. It is a vital part of the life of a campus, providing space for study, play, outdoor events, relaxation and aesthetic appreciation. Green campus landscapes also manage runoff, help recharge groundwater, and clean and cool the air on campus.
- The college commits to enriching this healthy habitat and maintaining the symbiotic relationship of the institution with nature by Organizing annual tree plantation drives
- Encouraging student societies to hold tree-planting events

#### **Clean Air Initiatives**

- We encourage our students and staff to use public transportation. We encourage carpooling to college, an activity that will control air pollution and strengthen social interaction. The entry of automobiles inside the campus is restricted to discourage the use of private vehicles.
- **Smoking Free Campus**
- In compliance with the framework provided by the National Tobacco Control Programme (NTCP) 2007-2008, the college prohibits smoking and the use of other tobacco products. As a step in this direction, smoking and use of tobacco in and around the campus is strictly prohibited. The anti-smoking committee of the college ensures enforcement of the anti-smoking policy.

#### **Infrastructural Initiatives**

- **Energy Saving and Energy Efficient Equipment**

- instead of Western-style toilets.
- Continued employment of a caretaker to take immediate steps to stop any water leakage through taps, pipes, tanks, toilet flush etc.
- Prevention of release and mixing of oil from the college canteen

#### **E-Waste Management**

- JMC ensures that its usage of technology and generation of e-waste does not impact the environment. For this purpose, the college plans to strive towards:
- More provisions for the disposal of institutional e-waste.
- Collaboration with e-waste recycling companies to get electronic waste recycled.
- Awareness amongst students about the reduction of e-waste and environment-friendly disposal practices for e-waste.
- Encouraging department and society-level activities pertaining to e-waste management.

#### **Awareness Initiatives**

- Outreach and education are of utmost importance so that all members of the campus community may value the objectives of the policy and aid in its implementation. This is why PISM supports and encourages awareness campaigns, seminars, workshops, conferences and other interactive sessions to facilitate effective implementation of the Green Campus, Energy and Environment policies.
- **Conduct Green Audit**
- The college aims to regularly conduct a Green Audit of our college campus to assess our strengths and weaknesses to further our goals of long-term sustainability. A green audit is a useful tool to determine how and where most energy or water or resources are being used. The college can then consider how to implement changes and make savings. It can determine the type and volume of waste. Recycling projects or waste minimization plans can be adopted. It will create health consciousness and promote environmental values and ethics. It provides a better understanding of the impact of eco-friendly practices on campus. Green auditing will promote financial savings through the reduction of resource use. It is imperative that the college evaluate its own contributions toward a sustainable future.
- **Conduct Energy Audit**
- An Energy Audit is to be conducted as and when required to further reduce its carbon footprint. The importance of reducing energy consumption cannot be overstated. The energy audit, with its specialized tools, will identify wastage of energy. Such an inspection often reveals several different flaws which cause a loss of significant amounts of energy which the college will not be able to detect. These flaws often have easy and affordable solutions and provide significant savings.
- **Plastic-Free Campus**
- PISM has been observing most of its duties in terms of solid waste management since its inception. In view of the Government of India's resolution to ban all single-use plastics due to the hazardous impact of plastic use and pollution, the

college administration strictly bans the use of single-use plastics in its premise to make it a 'Plastic Free Campus'.

Some initiatives taken: BWSSB Bengaluru water supply & sewage board used to clear the waste on day to day basis.







# PATEL INSTITUTE OF SCIENCE AND MANAGEMENT (A UNIT OF PATEL GROUP OF INSTITUTIONS)

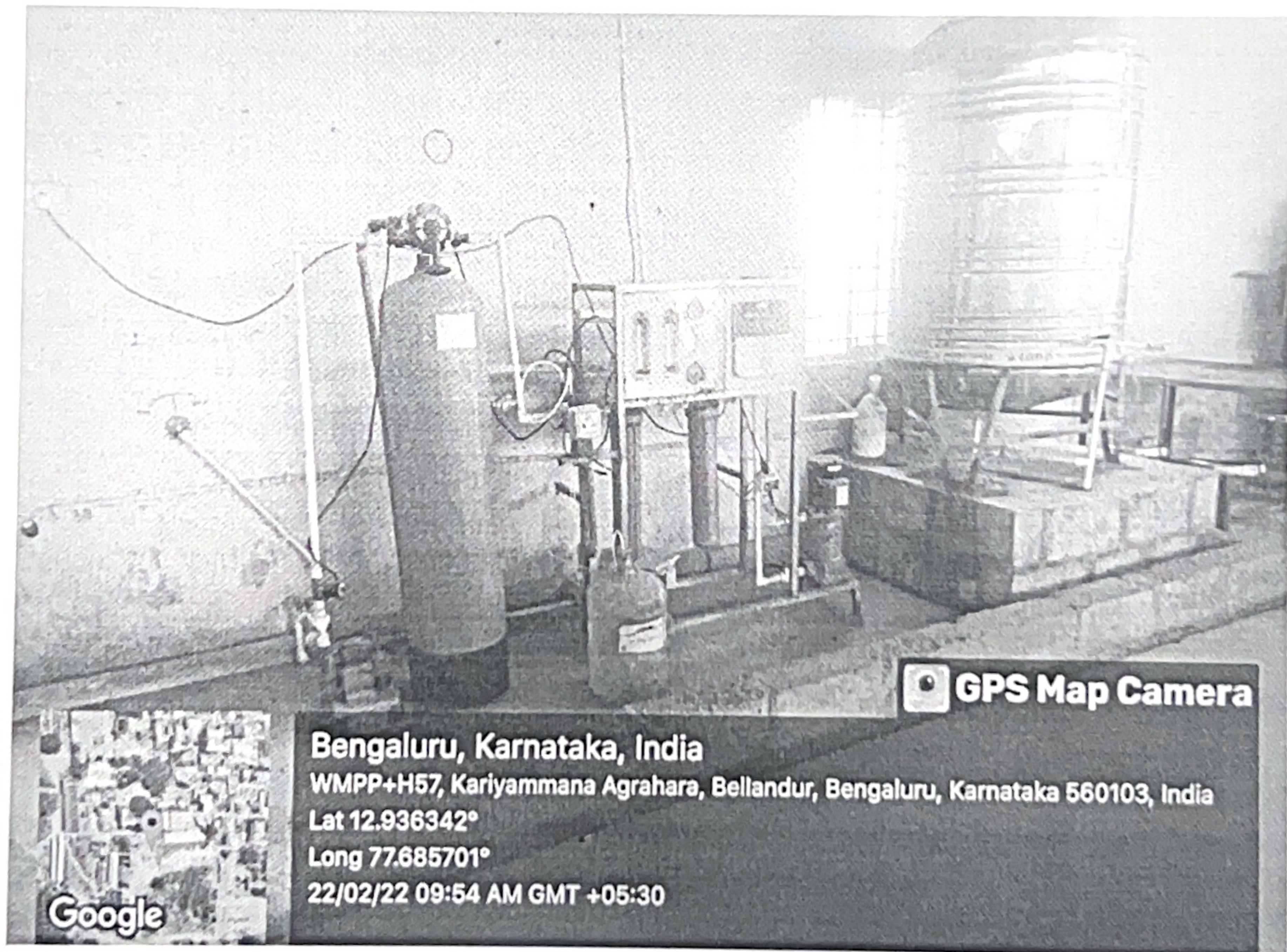
Kariyammana Agrahara, Bellandur PO, Marathalli, Bengaluru-560103

## Maintenance of water bodies and distribution system in the campus

Our water supply system comprises of multiple sources, including bore wells and municipal water supply. To maintain the quality of our potable water supply, we regularly test the water samples in our on-campus laboratory. We also ensure that the water storage tanks are cleaned and disinfected periodically.

In addition, we have installed multiple water dispensers at strategic locations on campus to provide easy access to clean drinking water for our students, faculty, and staff. We encourage everyone to carry their reusable water bottles to reduce plastic waste and promote sustainability.

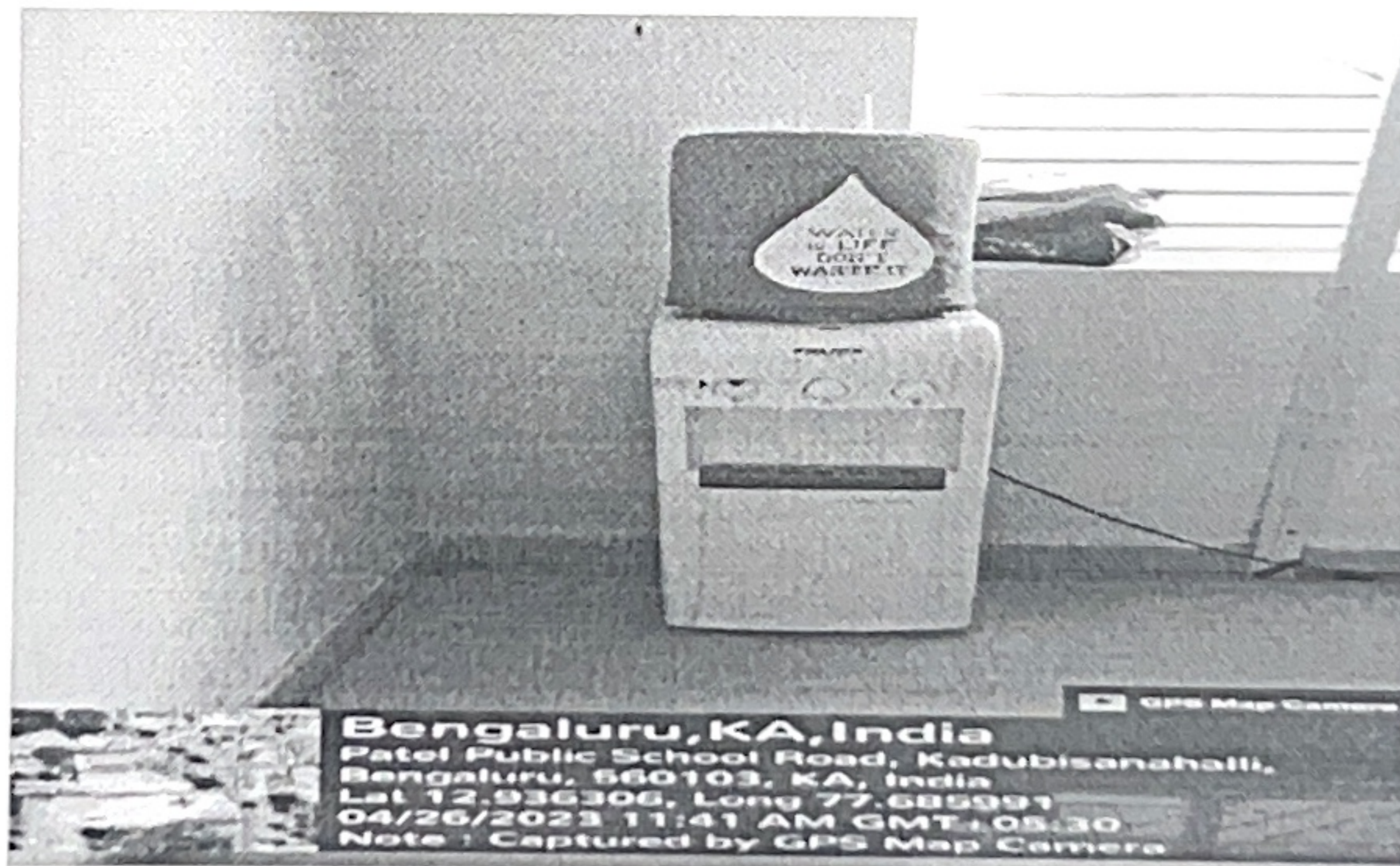
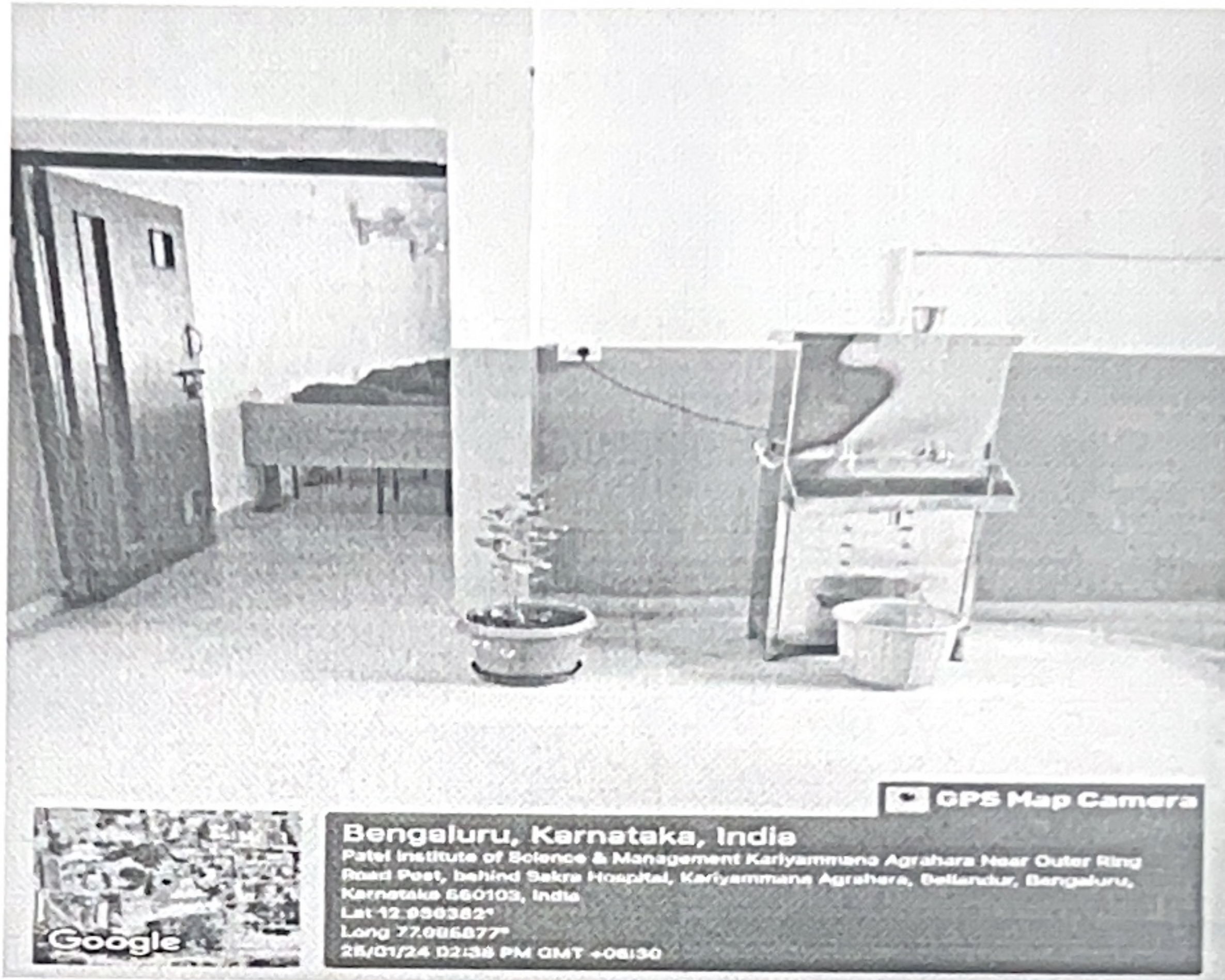
At Patel Institute of Science and Management, we are committed to providing a healthy and safe environment for everyone on campus, and clean water supply system is a testament to that commitment.





# PATEL INSTITUTE OF SCIENCE AND MANAGEMENT (A UNIT OF PATEL GROUP OF INSTITUTIONS)

Kariyammana Agrahara, Bellandur PO, Marathalli, Bengaluru-560103



## Borewell Facility

At Patel Institute of Science and Management , we have a borewell facility that serves as a reliable water source, ensuring consistent access to water for our campus community and contributing to our infrastructure and facilities as per NAAC criteria.



  
**DIRECTOR**  
Patel Institute of Science & Management  
K. Agrahar, Near Outer Ring Road,  
Bellandur Post, Bangalore - 103.