



H. J. THIM TRUST'S THEEM COLLEGE OF ENGINEERING

Approved by AICTE (New Delhi), Government of Maharashtra & DTE, Affiliated to University of Mumbai & MSBTE, Estd. 2009
NAAC Accredited with B+ Grade

Village Betagaon, Boisar Chilhar Road, Boisar (E), Tal. & Dist.: Palghar - 401 501.

Tel.: (02525) 284 909 • Fax : (02525) 284 927 • Email : info@theemcoe.org • Website : www.theemcoe.org

Action Taken and Achievement Report On Clean and Green Campus Initiatives

Theem College of Engineering has well-documented policies on clean and green campus and environment and energy usage. According to the policies the institute is committed to

- Maintain clean and green campus,
- Minimize energy usage,
- Manage liquid and solid waste,
- Spread awareness about environment and pollution

The initiatives taken by the institute to fulfil these commitments are:

• Landscaping with Trees and Plants

The institute is situated in rural area and is built on lush green campus, with large and well-maintained playgrounds, botanical garden, numerous trees and plants inside the campus. The institute not only arrange for tree plantation as regular activity but also take effort to nourish the growth of the trees planted.

The campus is pollution free and has an environment which enhances the close contact with nature.



Landscaping with Trees and Plants

PRINCIPAL
THEEM COLLEGE OF ENGINEERING
At Village Betagaon, Boisar Chilhar Road
Boisar (East) Tal. & Dist. Palghar - 401 501

● **Plastic Free campus:**

The institute's campus is plastic free. The institute regularly conducts Anti-Plastic Awareness Campaign at campus. The motto is to create awareness of plastic's adverse effects on the environment and informing students with the most updated information about the anti-plastic issues. Students prepare posters with "Say No to Plastics" messages and slogans and they are displayed on the walls of the lobby of every department as well as in canteen..Such awareness programs are arranged among students on regular basis to build up their environment friendly attitude.



Plastic Free campus

● **Alternate sources of energy and energy conservation measures**

To reduce global warming and carbon emission, usage of energy acquired from traditional fossil fuels, which are nonrenewable and harmful to the environment, should be reduced. The institute has taken a step forward in this regard by the following initiatives-

- a. Usage of Solar Energy
- b. Sensor based energy Conservation
- c. Control the use of DG set as per requirements only
- d. Use of LED bulbs/ power efficient equipment
- e. Motivate the students and faculty to use bicycles and transport provided by the college.

As an outcome the annual cost savings after replacement of halogen lights with solar system is calculated as Rs.206388 as suggested in energy audits. So the measures taken are not only environment friendly but power saving too.



[Signature]
PRINCIPAL
THE COLLEGE OF ENGINEERING
At Village Betegad, Boisar Chithar Road
Boisar (East) Tal. & Dist. Palghar - 401 501



Solar Energy



Sensor based energy Conservation



[Signature]
PRINCIPAL
THE COLLEGE OF ENGINEERING
At Village Betegad, Boisar Chithar Road
Boisar (East) Tal. & Dist. Palghar - 401 501



Use of LED bulbs/ power efficient equipment

- **Water conservation**

Water conservation is necessary to keep water pure and clean while also protecting the environment. In the campus the following initiatives have been taken for water conservation

- a. Rain Water Harvesting
- b. Bore well / Open well recharge
- c. Constructions of tank & bunds
- d. Maintenance of Water bodies and distribution system in the campus

By saving the water actually the money is saved which would be used to process clean water. Also it ensures the saving of groundwater level and prevents water borne diseases.

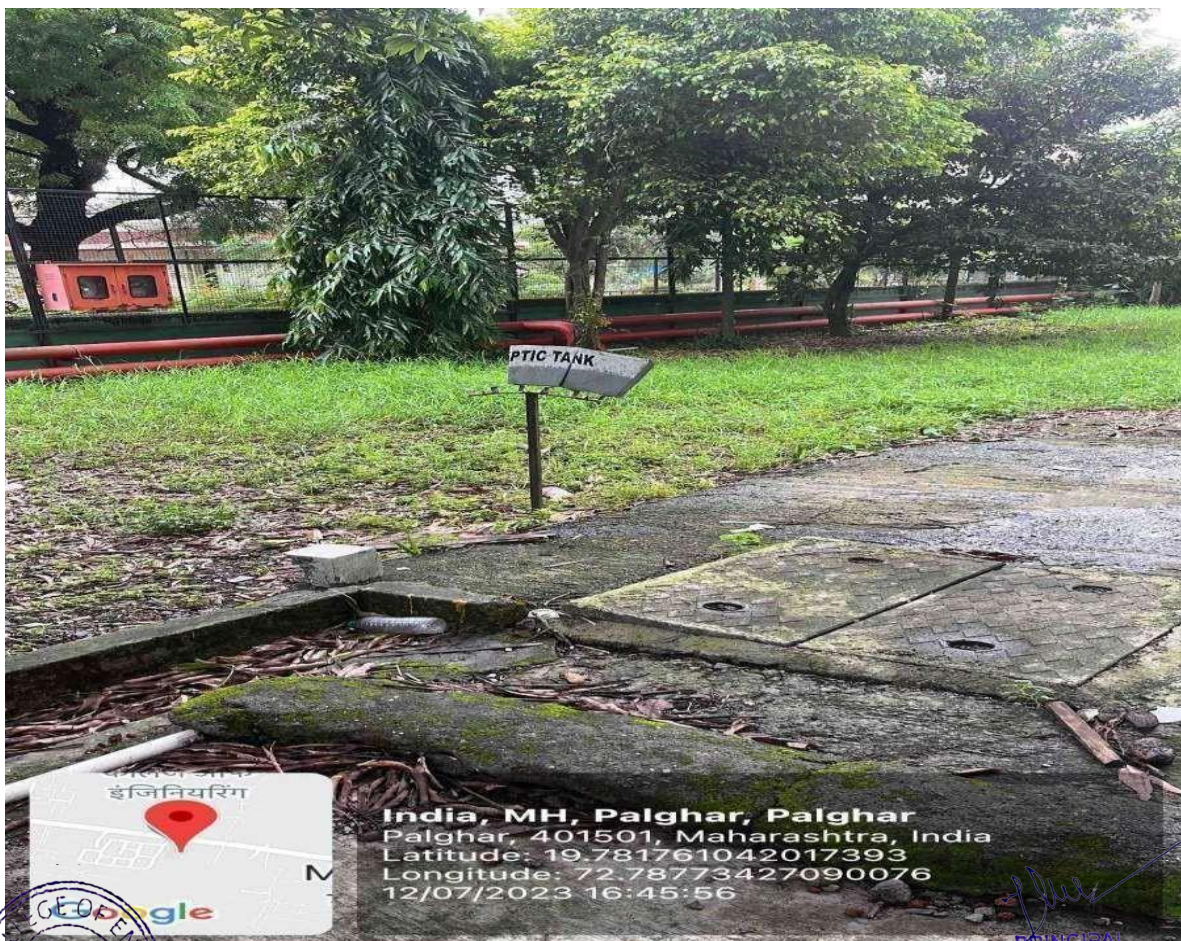



PRINCIPAL
THEEM COLLEGE OF ENGINEERING
At Village Betegad, Boisar Chithar Road
Boisar (East) Tal. & Dist. Palghar - 401 501

- Water conservation facilities available in the Institution:



Rain Water Harvesting



Bore well / Open well recharge



PRINCIPAL
THEEM COLLEGE OF ENGINEERING
At Village Betegad, Boisar Chithar Road
Boisar (East) Tal. & Dist. Palghar - 401 501



India, MH, Palghar, Palghar
 Palghar, 401501, Maharashtra, India
 Latitude: 19.781761042017393
 Longitude: 72.78773427090076
 12/07/2023 16:45:36



India, MH, Palghar, Palghar
 Palghar, 401501, Maharashtra, India
 Latitude: 19.781761042017393
 Longitude: 72.78773427090076
 12/07/2023 16:48:15



Constructions of tank & bunds

[Signature]
 PRINCIPAL
 THEEM COLLEGE OF ENGINEERING
 At Village Betegad, Boisar Chithar Road
 Boisar (East) Tal. & Dist. Palghar - 401 501



Maintenance of Water bodies and distribution system in the campus

[Signature]
 PRINCIPAL

THEEM COLLEGE OF ENGINEERING
 At Village Betegad, Boisar Chithar Road
 Boisar (East) Tal. & Dist. Palghar - 401 501

● **Waste Management**

In accordance with green policy the institute has a well-established waste management system for various kind of waste.

- Paper Waste

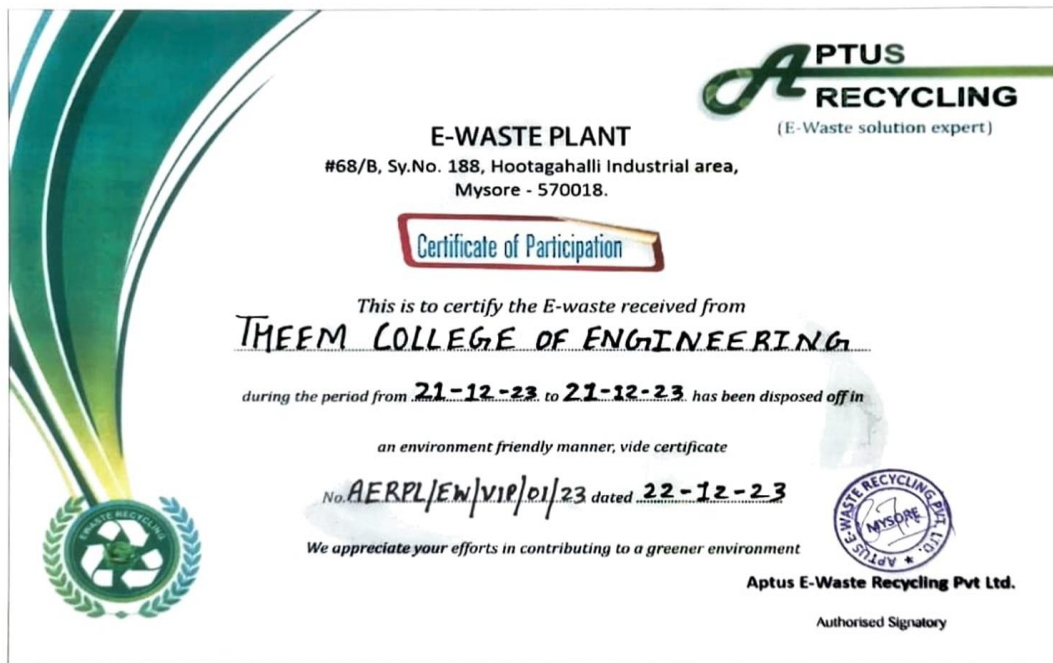
One side rough paper is used for the printing of Notices, Time Tables etc. in each department. Email and Mobile media communication is used for minimize the use of paper.

- Plastic waste

Plastic bottles, caps and other waste material are stored separately at departmental level and sold as a scrap material

- Electrical Waste and E-waste Management

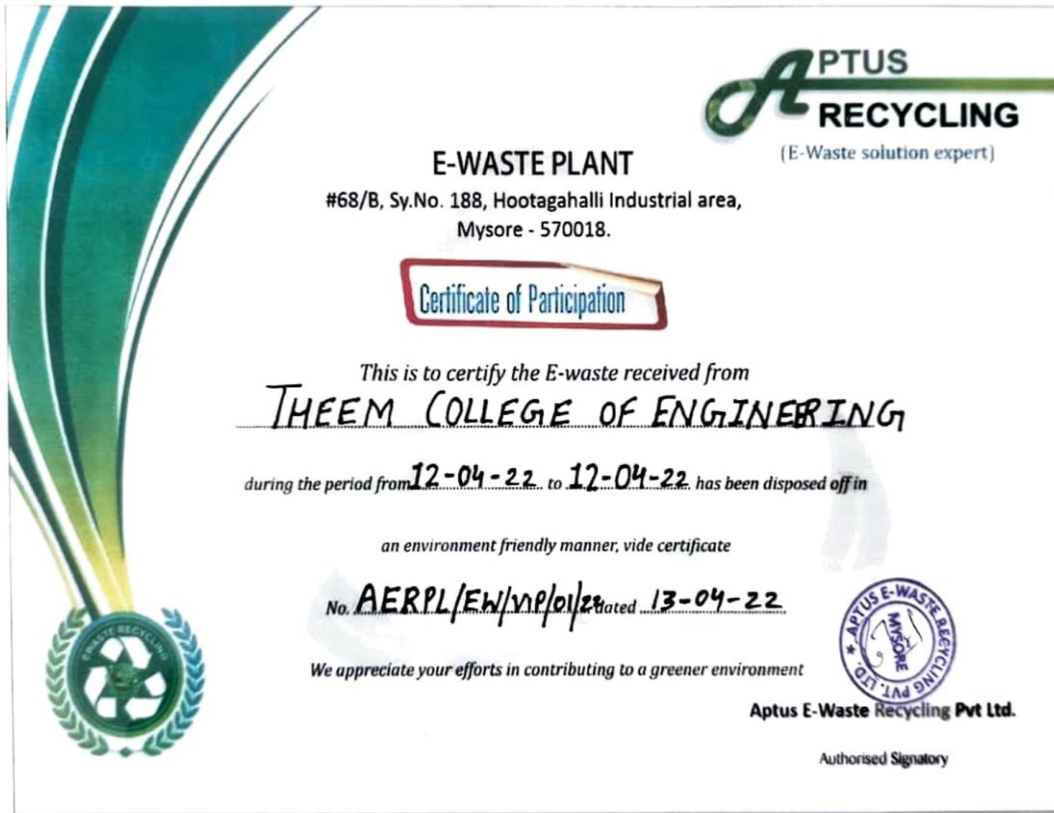
Electrical waste like damaged electrical board, switches, cut wires, computer, key boards, and mouse are collected and replaced with new one and remaining wastage are sold as scrap.



E-Waste Plant certificate



[Signature]
PRINCIPAL
THEEM COLLEGE OF ENGINEERING
At Village Betegad, Boisar Chithar Road
Boisar (East) Tal. & Dist. Palghar - 401 501



E-Waste Plant certificate



[Signature]
PRINCIPAL
THEEM COLLEGE OF ENGINEERING
At Village Betegad, Boisar Chithar Road
Boisar (East) Tal. & Dist. Palghar - 401 501

➤ Liquid Waste



Liquid Waste Management

The institute has provision of septic tanks with an anaerobic environment in the tank which decomposes the waste discharged into the tank. The plumbing wastewater is assembled from different places to the septic tank. The cleaning of septic tanks is done regularly by municipal sludge gathering vehicles.

➤ Solid Waste

The institute has a Solid Waste Management system at three locations where 6x4x3 feet 3 containers are fixed for dumping solid waste. All waste such as waste paper, food and material are refined and made ready in advance organic fertilizer. The valued generation of solid waste in the campus is approximately 3 to 5.5 kg per day from all the departments, canteen, and garden. Minimum 38-45 days are required to complete one cycle of composting.




PRINCIPAL
THEEM COLLEGE OF ENGINEERING
At Village Betegad, Bosisar Chithar Road
Bosisar (East) Tal. & Dist. Palghar - 401 501



Solid Waste Management

Hazardous Chemical Waste Management

Hazardous Chemicals are kept separately in the laboratory away from the students' reach. Students are made conscious of the hazardous chemicals before utilizing the chemicals.

The main benefits of proper waste management are to reduce pollution, conserve resources and preserve the ecosystem. Our college is definitely in the right path to achieve that goal.

- **Spread awareness about environment**

Various "Boards" to Promote Environmental Sensibility are displayed around the college campus. Also various days are celebrated to make student aware of protection and nutriment of environment. The Green, Environmental and Energy Audit are done regularly. The students are encouraged to spread the awareness about environment beyond the campus also.

- **Vehicle and Parking**

To reduce the air pollution inside the campus and to maintain discipline, the institute has taken the following initiatives:

- a. **Restricted entry of automobiles**

Implementation of "vehicle parking at main gate" has been done so as to restrict the movement of vehicles inside the campus. This will help to avoid use of individual vehicles for transport by promoting public transport.



[Signature]
PRINCIPAL
 THEEM COLLEGE OF ENGINEERING
 At Village Betegad, Boisar Chitthar Road
 Boisar Tal. Chitthar Dist. Palghar - 401 800

b. Use of Bicycles/ Battery powered vehicles

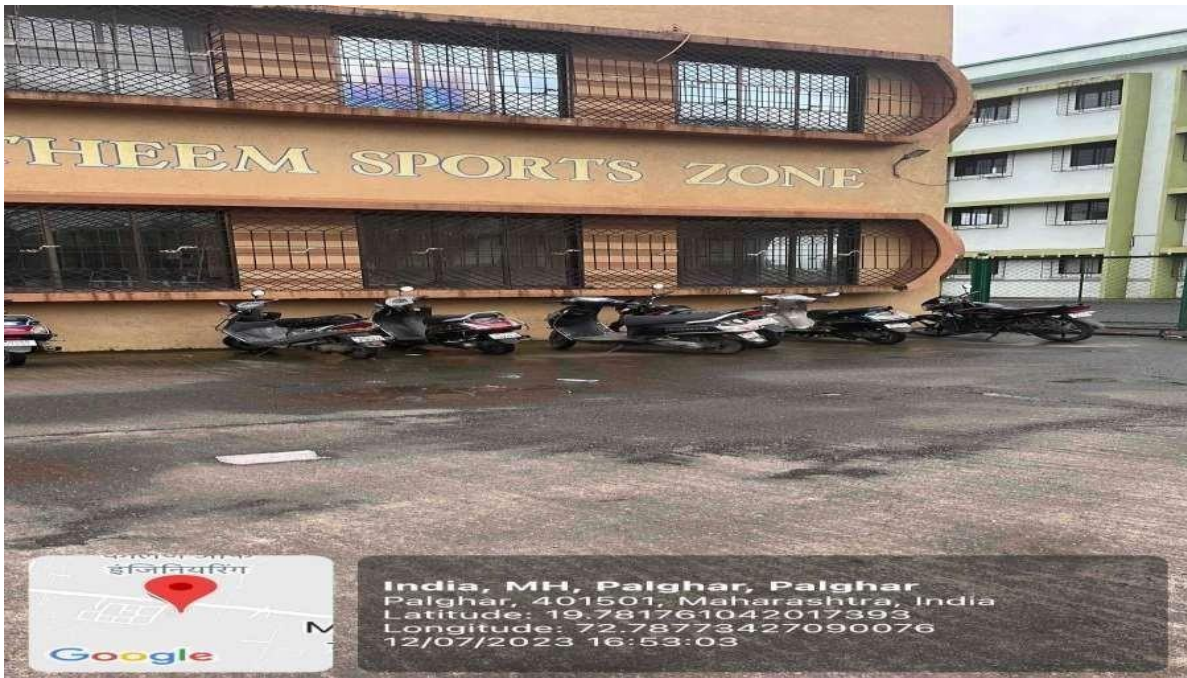
Bicycle stand Facility available in the campus.

c. Pedestrian Friendly pathways

Pedestrian-friendly pathways are provided on campus. College buildings indicate the direction for different areas. Ramps are present in the building. Sufficient light is maintained throughout the pathways during the day as well as at night time

d. Parking area near the entrance of the campus.

The institutional initiatives for greening the campus are as follows:



Restricted entry of automobiles



Use of Bicycles/ Battery powered vehicle



[Signature]
PRINCIPAL
THEEM COLLEGE OF ENGINEERING
At Village Betegad, Boisar Chithar Road
Boisar (East) Tal. & Dist. Palghar - 401 501




Pedestrian Friendly pathways

By ensuring these measures the campus can be considered as pollution free.

By strictly following the “protect the environment” policies the college has succeeded to motivate the students, faculties and even the rural people in the nearby villages to care for the environment and spread the awareness. The use of alternative energy sources, water conservation has been proved as cost effective in a long run. By proper waste management and imposing the rules for vehicle and transport the institute has achieved a pollution free environment. With the activities **like tree plantation and maintaining the garden the institute** is steered in the right path to achieve the green campus. The effort of the students of **the institute has been recognized and appreciated by the panchayet of Navapur village as clean and green campus.**




PRINCIPAL
THEEM COLLEGE OF ENGINEERING
At Village Betegaon, BGSAR Chithar Road,
Bolsar (East) Tal. & Dist. Palghar - 401 501



ग्राम पंचायत कार्यालय, नवापूर

| मु.पो. नवापूर, ता.पालघर, जि. पालघर, ४०१ ५०१, महाराष्ट्र. |
दूरध्वनी : ०२५२५-२८८०४९

स्थापना १९८३



Certificate

Reference: - 76/2023

Date: - 15/Feb/2023

To whomever it may concern that_

This is an certified that Theem College of Engineering Boisar East MH-401501 has been awarded as a Clean and Green Campus. This is in recognition of its constant efforts in meticulously maintaining a lush Green and a very Clean campus,


सरपंच
ग्रामपंचायत नवापूर

“उत्कृष्ट नवापूर - श्रेष्ठ नवापूर”