



PACHHUNGA UNIVERSITY COLLEGE **POLICY FOR GREEN CAMPUS**

Pachhunga University College was awarded **Platinum Grade** in the Green Audit conducted in 2021. The college has also been awarded a *Green Campus Certificate of Recognition* by the Department of Environment, Forest and Climate Change, Government of Mizoram in appreciation of the many efforts undertaken towards preservation, conservation and greening of its campus. Pachhunga University College covers 134 acres of land. PUC has successfully inspired pupils to work for the planet and achieved 90% greenery inside the campus. All footpaths, roads, lanes, pathways parking areas are shaded by trees. PUC Campus is housing 56226 trees and plants speared in 134 acres of land area that is restricting impervious surfaces being exposed to sun, to minimize impact on microclimate in the campus.

The college implement following practices towards establishment and maintenance of green campus.

1. **Plastic Free Campus**: The use of plastic thinner than 50 microns is totally prohibited within the college campus.
2. **Orchid Garden**: The college has a well-maintained Orchid Garden. The garden is filled with different species of orchids found within the state. The garden is managed by a separate committee. The Orchid Garden offers a great learning space for students.
3. **Organic Waste Management**: For proper dealing of organic waste generated from the college, we take the following measures. PUC has a fully operational **Vermicomposting Plant**. All the segregated organic waste along with cardboard and loose paper waste are sent for vermicomposting. In the first phase of vermicomposting conducted in Mid-July 2019, it gave a result of 80% decomposition rate. In the second phase of vermicomposting carried out during October 2019 using paper waste and cow dung was very successful. Four cement bags of vermin compost were harvested and it was utilized in the beautification and gardening of the college campus. Moreover, there are 2 composting pits inside the college campus for decomposition of trees leaves and other organic waste. Additionally, our college conducts 6 months Certificate Course in Vermitechnology under the UGC Community College Scheme
4. **Water Management**: PUC receives 2500 mm to 3000 mm average rainfall every year that meets its need for freshwater, therefore the need of treating its waste water doesn't arise. PUC has standard water monitoring system in place with 10 flow meters which indicates daily, weekly and monthly water uses in various facilities. Water lose is prevented through real time alert of water over flow, leakages and dripping that ensures judicious use of Water Consumption. Rain water harvesting is also implemented and a huge water tank is constructed for this purpose.
5. **Renewable Energy**: PUC has installed 10 KVA Solar Power Plant and few solar lighting systems as its efforts to on-site Renewable Energy Source; however, it encourages student community to save energy to minimize environmental impacts of using fossil fuels. PUC

also have installed solar water heating System in its all-hostel facilities that minimize the environmental impacts of using fossil fuels. PUC has one AC Power Generator (100 KVA capacity) along with Solar Power System (10 KVA) in the campus and it is to be noted that these two power backups are efficiently utilized whenever any normal power supply is interrupted inside the college campus and the power generated is sufficient enough for the smooth functioning of the college.

6. **Use of energy efficient electrical fixtures:** PUC has as much natural light as possible to get the best learning outcome. Energy efficient lighting includes the use of more illumination from less power lights by replacing high power consumption lights like incandescent, high discharge lamps. LED lighting provides a safe, secure & energy-efficient environment on campus at all times. LEDs also reduce the cost of operation while satisfying the needs of faculty members and students who can appreciate the benefits of eco-friendly solutions. LEDs also provide outstanding durability in the environments that can place an incredible amount of stress on light bulbs and lighting fixtures, such as a university campus. Due to the high-quality energy efficiency, LED lighting allows universities to save a significant amount of money on repairs, operating costs, and maintenance costs. When compared to a traditional light bulb, LED light bulbs consume less than half the energy that the traditional light bulb. PUC has installed LED Lightening & Fixtures instead of old Lightning that reduces the environmental impacts associated with energy use.
7. **Inhouse waste incinerators:** The college has a few waste incinerators which are effectively used to incinerate certain organic waste such as leaves, dead branches etc.
8. **Beautification Committee for green plantation:** Beautification Committee looks after the small garden in front of the main office and also several areas within the campus including the Orchid Garden.
9. **Pedestrian Friendly Footpath:** The college has well built footpath for pedestrians to walk around safely within the campus.
10. **Landscaping:** The college's campus is well designed and landscaping is done in several areas of the college.




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