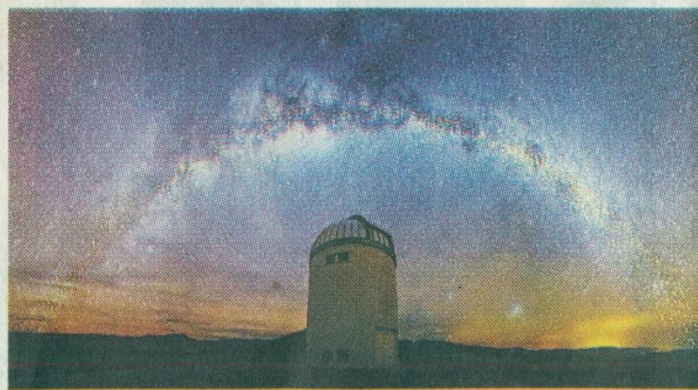


A device that generate electricity

techtrend
PATRIKA PLUSH

Given the deteriorating condition of the Earth, it becomes inevitable to look for environment-friendly ways to deal with the human requirement. Energy is one of the most important requirements of human living.

While solar, wind and water-energy have already been in use, the scientists have now invented a new anti-solar panel, which harvests energy from the cold night sky. This technology makes it easier for cold countries to generate electricity and survive for days without sunlight. The new prototype of the device can produce enough electricity at night to power a small LED light. This all is possible by harnessing the temperature difference between Earth and outer space. However, a bigger version of this prototype can provide enough energy to light rooms, charge phones or power other electronics. These can be of use to remote or low-resource areas that lack electricity at



night when solar panels don't work. A product has been worked out together by engineers at University of California and Stanford University. The study was published on Thursday, September 12, in

Joule, describing how the invention can be made with \$30 of materials found at hardware stores and hobby shops. Additionally, the technology is a modern twist on the previous techniques that existed.

Side cooling

“What's common in all of those examples is that they depend on a source of heat,” said Aaswath Raman, an engineer and materials scientist. “Instead of looking for a source of heat from which we can draw power, we're instead taking advantage of a source of cold.” He explained that when this device releases heat and the top side cooling more than the bottom, it then converts the difference in heat into electricity.