

This cycle pedals on 'solar impulses'

Two engineering students have made a solar-powered bicycle that can move at a speed of 30 kmph and be used continuously for five hours

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There might be no respite from the scorching heat, but two students from the city have found a way to make the most of the Sun's power. The budding engineers have designed a cycle that uses a solar panel to power it and runs for more than 5 km at a speed of 30 kmph.

Dishant Patel and Rajan Mishra, both 21, are students of Nararayan Shastri Institute of Technology, Jetalpur (NSIT). In the fourth semester of their bachelor of engineering course, the students took up the project of coming up with a travel option that caused minimum pollution and consumed lesser energy.

As the boys were demonstrating their project, at least 50 people came to them asking them about the making of the project and the cost they have bear for it. It took them a year to finish the bike which runs on solar panel. So why make a solar bicycle? Dishant told Mirror. "The reason we chose a bicycle was simple. There are so many vehicles in the market, but all of them are costly. We wanted a transportation mode that is affordable for everyone. We made a few corrections to the basic model like changing the rear wheel and adding an accelerator mode to it."



SIDDHARAJ SOLANKI

The bike has a solar pannel in the rear which powers the battery used to run it

The boys exchanged the rear wheel for the one from a 'Yo-bike'. "There is a disc brake like the one used in four-wheelers. Also, the accelerator gets its power from the battery attached to the bike which is powered with solar energy. There is a meter attached to the bike which indicates the level of power in the battery. It runs at a speed of 30 kmph, which is good for a city," said Rajan.

The duo was impressed and influ-

enced by the Solar Impulse which had come to the city in March. "We were so happy to see a project involving solar energy harvesting is so successful. It encouraged us and boosted our morale. We became more confident of our success," said Dishant.

The bicycle also has the option of running on electricity. It can also be used as a normal bicycle, using the pedal to move around.

Security guard traps Shilaj woman inside elevator; molests her

Cops are still hunting for the guard who fled after the victim raised an alarm



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A 31-year-old woman in Shilaj was allegedly molested by the security guard of her residential building. According to the complaint filed at Sola police station, the guard cornered the woman in the elevator and forcibly took her to the basement where he tried to molest her.

The accused has been identified as Alkeshsinh Rawalsinh Rajput, a native of Uttar Pradesh, who had joined as the security guard about 10 days ago. The incident took place on Wednesday, May 13.

The complaint stated that the woman, who works at a travel firm, had returned home from work and had just got into the elevator when the guard allegedly rushed in, too. "He pressed the button to the building's basement. The woman grew suspicious and asked him what he was doing. That is when he allegedly pulled her hair, threw her on the elevator floor and tried to molest her," the police said.

Scared, the victim screamed for help. "Her screams brought all the

10-YEAR-OLD MOLESTED

Odhav police arrested a 35-year-old shopkeeper who allegedly molested a 10-year-old girl. The child had reportedly gone to buy castor oil from the accused's shop in Nikoi when he took her to a room inside the shop and touched her inappropriately. The accused Ramesh Daryabhai Podalia, a resident of Vundavan Society, was arrested after the girl's mother filed a complaint. The incident took place on Friday afternoon. The police arrested Podalia under IPC Section 354(b) which states that any man who assaults or uses criminal force to any woman or abets such act with the intention of disturbing or compelling her to be naked, shall be punished with imprisonment of either description for a term which shall not be less than three years but which may extend to seven years, and shall also be liable to fine.

residents out of their homes. Spooked, the guard ran away. The woman suffered minor injuries to her face and hands, but otherwise she is fine," the police said.

The police said that Alkeshsinh worked for Mishra Securities.