

IIT-Gn celebrates intelligent design

Mirror features a few interesting innovations by students put up on display at IIT Gandhinagar's annual festival Amalthea 2015

E-SUPER CRUISER

Tagged as one of the most efficient e-super cruiser, this bike caught the visitors' attention within minutes. Naman Chopra, a PhD dropout, decided to make luxury e-vehicles to contribute to clean environment. So, he came up with an e-super vehicle. "This cruiser can be driven at a speed of 130 km per hour and is priced from Rs 4 lakh and above," said Chopra. He set up a bike-making firm in 2013. The best feature of his e-super cruiser is that it comes with battery packs that allow buyers to cover a distance of 80-250 km at one go.



STREET-BIN

Designed under guidance of IIT-Gn faculty member Dinesh Korjan, the bin is made to be installed in the streets. "It has been designed in a way that it doesn't tumble, its wide opening allows one to throw garbage in it even from a distance. Such is its design that dogs and cows cannot put their mouths inside it. We have put a layer in the bin to expose organic garbage to moisture to restrict foul smell," said a student.



LOW-COST BULB

Did you know you can generate electricity while you work out on treadmill? Working on simple concept, the creators of this innovation placed a battery to store the energy generated from a treadmills which could be later used for charging mobile phones, laptops and other devices. Four students from Dehradun, Chandrashekhar Digari, Bhupinder Samant, Vidushi Sharma and Rima Mukherjee displayed four projects including low-cost LED lights, eco-battery, electricity generated from treadmill and low-cost LED bulb.

"We are working on a design where electricity can be generated even from green waste bins in the kitchen.

"In the bulb, we have fitted a battery that works on the concept of chargeable battery which could be put to good use in the absence of electricity," said one of the four student innovators.