

Chairs, power from waste reuse

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(From the left) Reuse of discarded packaging material, food leftovers and treadmill at Amalthea '15

TIMES NEWS NETWORK

Ahmedabad: Amalthea '15, the annual technical summit of IIT-Gandhinagar, on Saturday gave a glimpse of the fascinating projects students and NGOs have been working on. TOI profiles some designs with a focus on Swachh Bharat and clean energy.

Furniture from used cartons

Tetra Pack cartons can be used to make solid roof and furniture. Surprised? Bangalore-based NGO, 'Saahas', has created useful products from this packaging material that was thrown as scrap. It breaks

down Tetra Pack cartons into small pieces and sends them to manufacturing units in Vapi, Gujarat. The units convert them into thick sheets which are later fashioned into coasters, chairs and other utility items. The sheets have a life-span of 20 years after which they can be pulped and reused.

Power from food leftovers

A team of students from a Dehradun college has developed an eco-friendly technology to solve the problem of waste management and for production of sustainable energy. It has used materials such as a rechargeable battery, a

small plastic box as container, and vinegar and metal strips as conductors. The technology helps convert food leftovers into electricity.

Not just for losing weight

Students from Dehradun have developed a concept that uses body movements involved in everyday activities for producing power. Mechanical energy expended by treadmill users was used to apply pressure on piezoelectric material and produce power. A portable flexible dynamo can be installed on the wheel of a treadmill and used to produce power in emergencies.