

IIT'ian tops IIT Mumbai (Tech Fest) on 7th Jan 2011 out of 33000 projects.

Mr. Bhawpruya Ranjan a 2nd year student of Electronics & Instrumentation Engg of IIT has come out with an innovative idea of producing electricity using vibrational energy of running train on railway track .His project was among 22 selected projects of nearly 3000 projects at Tech Fest. conducted jointly by IIT Mumbai_Tata Power at IIT Mumbai from 7-9Jan.2011. The students bagged 2nd prize with cash award of Rs.25000/- by IIT Mumbai and been selected for an Award of Rs. One Lac by the National Research & Department Council (NRDC) of Govt. Of India Sh. DC Joshi , Heading the NRDC has asked the student to apply for a patent to the organization. The panel of judges consisted of scientists form NRDC ,IOCE and Tata Power and IIT Mumbai.

The students project is based on concept of Piezo electricity. The scientiest in US and Israel are using the concept to produce electricity by putting a chain of Piezo Electric Crystals under walkways , doors as well as under busy highways. The amount of electricity produced is up to 12.5. watts. In the model envisioned by the students , the electricity produced by harnessing the vibrations produced by the trains at strategic points will be able to produce electricity sufficient for running trains, domestic and commercial purposes. Mr. Bhawpruya Ranjan as presented at this project in the Clean & Green Energy Contest of Tech -Fest _ Energic Jointly hosted by the ITT Mumbai and Tata Power .

The students had an opportunity to interact with the renowned scientists like Hogler Bech Nieson (Nobel Prize winner) in Chemistry and host of other scientists. He won all round appreciation for his enterprising mind and Creativity