

'IITN students design device that converts gravitational energy into electrical energy'

■ Principal Correspondent

A TWO-MEMBER team of Indian Institute of Information Technology Nagpur (IIITN), Kartik Kinge and Rohit Agrawal from ECE branch bagged second prize in the competition "Best Innovation Awards-2017".

The competition was held by GHR Labs and Research Center to create an ecosystem for entrepreneurship and inculcate the spirit of innovation amongst young researchers and innovators. The project was shortlisted for Level I and later Level II from Nagpur Zone. In Level III, among 136 projects shortlisted from the Nagpur Zone, this project secured second place. Level III was organised at GH Rasoni College of Engineering and Management, Pune.

Dr Aatish Daryapurkar who is a project advisor and student affair council In-charge, said, the institute always encourages students to actively participate in technical, cultural and sports events which are held throughout the nation for overall development.

Furthermore, Dr Aatish Daryapurkar, said, "The team had designed a device which can convert gravitational energy to electrical energy through mechanical energy. Presently, we have very limited conventional sources of energy such as coal, petroleum, natural gas, etc., which we have been using for an extended period. The non-conventional sources of energy such as energy from Sun, wind, biomass, geo-thermal energy and even energy from the waste material are gaining importance. Such energy sources are abundant, renewable, pollution-free and eco-friendly. However, such energy is not available for all time and at all the places.

"The device developed by the students is portable. We can generate electricity for 24 hours using gravitational force through mechanical energy. Generated electricity can be used for various applications like to light up a study lamp, charging cellphones, laptop, and other gadgets and devices. We can also store generated electricity for further use," informed Dr Daryapurkar.

Lauding the *alma mater* and its faculty for support, the winning team said, "IIIT Nagpur always gives us opportunities to participate in various workshop and technical competitions. Every day, every new opportunity helps us hone our skills."

Dr Narendra S Chaudhari (Mentor director of IIITN) and Dr Ashwin Kothari (Associate Dean of IIITN) congratulated a team and gave best wishes for their achievement.