

Felicitation for Mr. Suraj Kumar Jana:

Mr. Suraj Kumar jana alumni of BMSIT has converted Coke, Red Bull and beer cans into mini-satellites to create an open-source database on several city parameters. Including temperature and pollution levels. Suraj Kumar Jana, founder of Opencube Labs, is the mastermind behind the project monikered as CanSat Development Programme. CanSat is a sounding rocket balloon payload built of open hardware (Arduino, RaspberryPi) with the entire satellite components assembled inside a 350ml soda can.



The mini-satellite, which is launched from the Air Force base at yelahanka, does a controlled descent with the help of a parachute and transmits captured data to the ground station. "The data collected by these mini-satellites include temperature and pollution levels, quality of air and water, ultra-violet penetration and traffic congestion levels in the city. These data can help in research purposes and our civic bodies can even use them to implement better policies,"