



Students display a foldable bridge at Ignite 1.0

Ignite 1.0: IIT-Gn celebrates robotics

Students made many innovative models at IITGn's Sci & Tech fair

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It looked like a scene from a sci-fi movie as students displayed robots that follow you at Ignite 1.0 on Saturday. Ignite 1.0 is Indian Institute of Technology, Gandhinagar's (IITGn) very first intra-college science and technology fair. Technical Secretary of IITGn, Chitranshu Kumar said, "The event aims to share the beauty of technology through fun and amusing activities with its visitors."

G Sai Rama Krishna, a Btech student of the college has conceptualised a robot which follows you everywhere. The robot can sense an object placed in front of it, using an infrared sensor. Krishna said, "This technology can

be used to develop toys and other products such as a trolley that will follow its user in a supermarket." Another robot, a sort of Guided Vehicle (GV), was created by a team of students, which follows not a person but a white line, with the idea that the robot can be used for transportation of goods and materials inside a factory. Explaining about their display, one of the students of the team, Sai Chowdary said, "The existing GVs use magnetic strips for vehicles to follow and have many issues such as maintenance of the magnetic strips and power consumption. However, our technology uses a plain white strip of paint for the robot to follow, which is cheaper and convenient."

What seemed as a concept of house of cards was applied by a team of students at IIT-Gn to create a foldable bridge. The bridge can be used to help victims of natural calamities.