DTU Wins the Most Promising Prize in MCU Design Contest

From October 2nd to 3rd, Texas Instruments Inc. organized the 2014 TI Vietnam Universities MCU Design Contest. Eighteen teams from the Central region participated. DTU-ONE won the Most Promising Prize, using a two-wheeled robot controller, defeating teams from the Danang University of Science and Technology and the Hue University of Science.

The DTU-ONE team demonstrate their robot

The objective of the contest was to encourage student innovation in MCU system design. The jury commended the innovative design of DTU's two-wheeled robot controller.

The Most Promising Prize is presented to the DTU-ONE team

Students are required to use the TI MSP430 and Tiva C ARM Cortex-M4F as the central processors. They must design their own hardware platform or use existing TI EVMs to implement certain functions. TI analog power and wireless connectivity are highly recommended. It took the DTU-ONE team six months to design and implement their controller to win the prize.

Nguyen Dang Minh Hung, team leader of DTU-ONE, said: *"Now that our controller has been perfected, we are planning to develop it into a two-wheeled vehicle that can travel along a narrow road, a restaurant-serving robot, a library robot and an invalid chair robot. We were able to improve our knowledge and confidence in English presentation skills by participating in this contest and our award has become a strong incentive for us to now put our research and products into practice."*

(Media Center)