

June 25, 2015

The 'hardware' dreams

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A glimpse of innovations

At the second floor of the expo venue, there were some glimpses of hardware innovation. Engineering students from BUET, Ahsanullah University of Science and Technology, Brac University, Daffodil University were showcasing their innovative projects on robotics and cybernetics.

Mohammad Zahirul Islam and Abdullah Rabbani of Brac University had developed a Wall-E (a famous robot of the animated movie Wall-E) like robot named Robot-E, a relief robot. While explaining their robot, Rabbani said delivering aid including clean water, food, and medical supplies to places which face disaster like Rana Plaza is a difficult task.

“So, we have developed a robot whose main purpose is transporting materials over uneven and rough terrain, in tight spaces and over long distances. There is a mechanical system which delivers the goods to the victim easily. The robot is controlled by a remote control through RF communication from around 200 meter away. The movement of the robot is monitored by an IP camera which is placed on the face of the robot. The concept of designing and naming the robot was inspired from the animated Hollywood movie Wall-E,” said Rabbani.

Meanwhile, Tamanna Islam and Zerine Nasrin of North South University (NSU) had developed some interactive games for autistic children. Tamanna said, “Basically we have developed some games for autistic children. We have planned eight games for our project.”

She said that the first game of their project is “Flying with air plane.” In this game, there is a plane which will move according to the movement of hands. The name of the second game is “Knowing alphabets.”

“This is basically a game through the children can learn about alphabets. In this game there are some ladder containing different alphabets. There is some coin as well and also a ball. Each time, the ball will collect a coin, then an audio will start to introduce with this an alphabet with rhymes. In the other part of the project we have a game which will teach about body part, identify different colour, direction etc.”

There were several other projects which showcased the innovative ideas & abilities of engineering students of our universities.