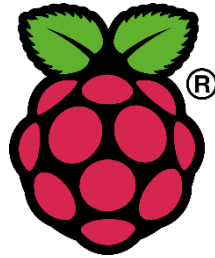


HACKATHON



Rules

Teams can have as many members as they want. On Monday, February 12th, every team will be given a “Raspberry Pi model B+” and up to \$50 reimbursement** that can be used for buying sensors/parts for the competition. Teams will have to find a problem that they can solve using a Raspberry Pi. It is better if the problem they try to solve is somehow related to Tennessee Tech. However, team can make anything they want like an automatic light switch, distance meter, or Internet-streamed Wi-Fi radio. Include all technical blueprints, schematics, and code.

Specs

Raspberry Pi is a little PC that has 4 USB ports (for connecting a mouse, keyboard, Wi-Fi adapter, etc), one HDMI port for connecting to a monitor/TV, one 10/100 Ethernet controller, and RCA video. Raspberry Pi will have a pre-installed Raspbian, a Debian-based operating system. Its General-Purpose Input/Output (GPIO) header has 40 pins, which allow developers to connect many sensors or other programmable boards to the Raspberry Pi.

Deadline

Teams will present their projects to a panel of 6 judges (one judge from each department) on Wednesday, February 21st, at 8:00PM.

Learn Raspberry Pi

<http://www.raspberrypi.org/resources/learn/>

<https://learn.adafruit.com/category/raspberry-pi>

<https://learn.adafruit.com/category/raspberry-pi>

<http://www.theguardian.com/technology/2012/nov/04/12-things-to-make-raspberry-pi>

<http://www.brit.co/raspberry-pi/>

<http://www.raspberrypi.org>

Questions about the contest? Contact

**In order to receive reimbursement (up to \$50), the specific components (with price) must be requested within two days of Feb. 12th. Turn requests in to the Engineering office in CLEM. After getting approval, you can purchase the components. Then, turn your receipts in to Donna Smith to receive reimbursement. Note: the entire device will be turned in after the presentation.

Raspberry Pi is a trademark of the Raspberry Pi Foundation. See more at <http://www.raspberrypi.org>.