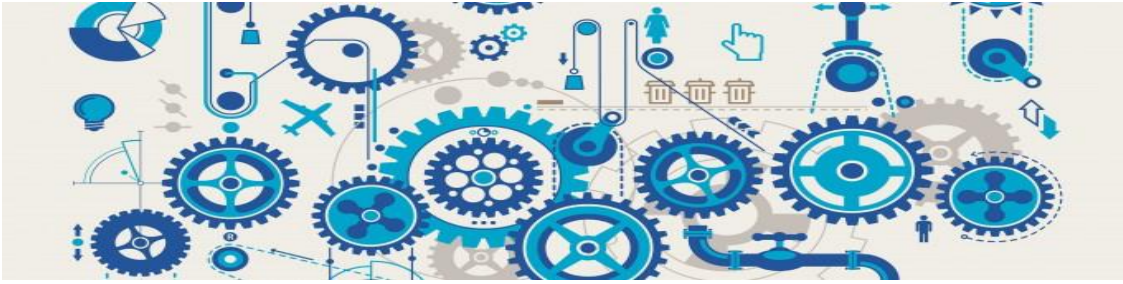


Hands-on IoT with the Raspberry Pi and Imbedded Computing



Where: Cabrillo College

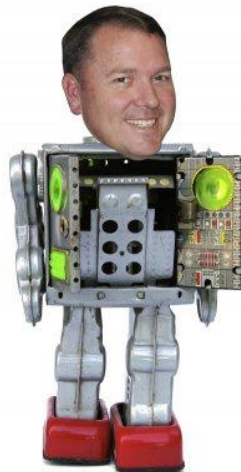
When: June 19 - 23, 2017N

Target Audience: Instructors who want to learn more about IoT, Raspberry Pi and integrating this content into your classroom.

Session Overview:

This course introduces instructors to the “Internet of Things” (IOT) and how physical real-world devices, “things,” are increasingly being connected to, visible through, and controllable via the Internet and web technologies. In this course, we will introduce the instructors to the System on a Chip (SOC) technology known as the Raspberry Pi, physical computing, Python programming, and connecting devices to the Internet via twitter, Gmail, and other various means. The course will enable and equip the audience to build and teach how to build IOT projects, products, and solutions. This course is ideal for those who are interested in exploring the possibilities of Internet of Things using the Raspberry Pi. We will touch on all the necessary software, hardware, platform, protocols, etc. to teach your own Raspberry Pi base IOT course. Additional study/support materials will be provided for a comprehensive deep dive on your own after the course concludes.

Instructor:



Kerry A. Bruce is a community college instructor and Raspberry Pi Certified Educator who teaches Computer Information Systems courses at Central New Mexico Community College in Albuquerque, NM. Kerry is also the founder and faculty adviser for the CNM HackerSpace, a collaborative space designed to foster creativity, experimentation, and discovery of any and all technology related interests the students may have. The CNM HackerSpace is home to many student opportunities to learn, including Raspberry Pi workshops, several robotics teams, Cyber Olympics, Gameathons, Open Source 3D Printing, plus PC building, networking and security. Additionally, Kerry has created and implemented a popular CIS course using the Raspberry Pi to teach the Internet of Things (IOT), Computer Science, and Computer Information Systems concepts at the community college level. Starting this fall the course will be offered as a dual credit course for high school students through the local K-12 school district. Kerry's personal mission is to encourage and ignite the passion for learning through the acts of doing, tinkering, and making.

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