Arduino, 3D Printing, Electrical Soldering, and Oscilloscope Micro-Internship

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Arduino design has been at the front of user-friendly software and hardware development, especially to solve real-world problems. Students will work on Arduino projects such as, programming a blinking LED, creating a temperature and humidity sensor circuit, working on a water level detection device, controlling DC motors using Arduino via Bluetooth, wire up and use an alphanumeric LCD display, analog Joystick module and several other sensors. Students will also learn the concepts of and how to implement different electronic components, Digital and Analog circuits, and Arduino boards. Also, students will learn soldering electronic components, and the use of electrical measuring equipment: voltmeter, ammeter, function generator and oscilloscope.