



Aarduino como una herramienta para mejorar el proceso de enseanza - aprendizaje de las ciencias, tecnologas e ingenieras en la universidad politcnica de tapachula [

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Analitica

Arduino is an open platform designed to create prototypes of objects and interactive environments using open electronics. It consists of both hardware and software: a printed circuit board that can be acquired for a low cost or assembled following free available diagrams, as well as an open-source development environment with libraries for writing the codes to control the board. It enhances the teaching-learning process through experimentation and also provides an affordable and flexible support for students, professors and researchers, in a sort that they can count on a basis to develop multiple and diverse projects in sciences, technologies and engineering, settling that way the opportunity to build a wide portfolio of innovating applications and prototypes that will act as vectors to detonate creativity and improve the student's skills and capabilities, in order to bring technological solutions for educational purposes, public or private organizations and industries from diverse sectors. This paper presents an essential

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