

(V) Build a colorimeter: a final assignment for an electronic instrumentation course

Tuesday 5 July 2022 13:30 (20 minutes)

As a final project for our electronic instrumentation practical course, students were challenged to build their own colorimeter to measure their own biochemical reaction, requiring them to apply all recently acquired theoretical knowledge and practical skills. They developed their electronic circuit on our recently developed Advanced Learning Platform for Analog Circuits and Automation, which allowed them to perform most measurements at home, though supervision was offered at the university. Their written reports show great understanding and application of all they have learned, with good grades. In feedback, students appreciate this assignment as the most enjoyable part of our course.

How would you like to present your contribution?

Hybrid from my own country (early in the conference day, best for Asia, Australia ...)

Target education level (primary)

University education

Target education level (secondary, optional)

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Track Classification: Lab Work and Experiments in Physics Education