Abstract

Modern higher education is today supported by electronic Learning Management Systems providing formal educational learning material, some even integrating repositories containing supplemental material and providing adaptation during the learning process. Virtual laboratories allow access to rare or distributed equipment to students.

This paper depicts a primer of such fundamental supplement for students of instrumentation or embedded courses. The exercise provides theoretical background and a cloud access to an affordable hardware via SaaS (Software as a Service) as PaaS (Platform as a Service), or a web based access to a simulation engine. Either case, students are able to calculate and organize experiments, provide input values and get acquired or simulated result.

References

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Index Terms

Computer Science

Embedded Systems

Keywords
Embedded Systems, NTC Probe, Data Acquisition, Instrumentation.