Abstract

There is a big demand and supply gap in the education field in India. Resource crunch in higher education is being felt in a serious way. Massive expenditure is required to expand, improve and bring it to the world standards. Setting up infrastructure for the laboratory requires heavy initial investments, which start up colleges find difficult to afford. A solution to this problem is by developing a virtual control system laboratory simulation module using LabVIEW and uploading it in the common university server. With proper authentication, students of the affiliated colleges can access this module and carry out their experiments virtually. A LabVIEW module of 9 OFF-line experiments and one ON-line experiment has been created along with tutorials. Thus the student gains deeper understanding of theoretical and practical concepts of the control system. Behavior of a system in various ranges can be studied easily and accurate results can be obtained.

Reference


Index Terms

Computer Science Web Applications

Key words

LabVIEW simulation module