

Abstract

This research presents development of engineering education about automation engineer. The objectives of develop education technology, automatic control systems. The development and pilot institutions or company associated with the agency so that it can compete with companies in the ASEAN countries. In the design research and development training kit to support and use in teaching and learning control liquid level like an industry as the reality of the industry. The trainer could be applied to the advanced control theory for experiment in teaching or training in class room similiary industry personnel. The hardware is compatible with existing standards. It is increase the capacity of existing courses, such as a course to learn basic control system consists of a sensor industry around the outside parmerter. The sensor could be real measured and simulation from plant model. The student can control the virtual experiments. Controller could be learning such as PLC, Microcontroller and computers.

The experiments determine relation of correlated response signal ON-OFF and PID by adjust Gain control systems that have tenor as same as control theory, which describes the response of the control. The experimental results of this the research collected in the operating room. The ability to control the system to could be doand meet the taget and follow by objective

