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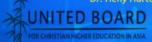
International Conference on The Conference on Opportunities and Challenges in Southeast Asia

Co-presented by the United Board for Christian Higher Education in Asia and Soegijapranata Catholic University

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Editore

Cecilia Titiek Murniati M.A., Ph.D Dr. Heny Hartono, SS., M.Pd





Talenta pro patria et humanitate

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Enhanced Campus Automation System and the emerging need for IoT integration: an automation perspective. [eCAS-IoT]

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Abstract: Technology has the power to break the limitations of traditional passive learning and innovate almost all aspects of everyday life with the power of connecting things of the world to the Internet, "Internet of Things (IoT)." IoT is no longer a phenomenon, but it has become a prevalent system in which people, processes, data, and things connect to the Internet and each other. This paper 'Enhanced Campus Automation System and the emerging need of IoT integration: an automation perspective' [eCAS-IoT] is an outcome of case study undertaken at St. Aloysius' College, Jabalpur, India, wherein the automation challenges are taken into consideration that has been integrated in the existing ERP and related tools such as RFID based attendance and monitoring system in real-time, digital library, API integration and implementation of Optical Network. In this paper we have tried to bring out ideas to achieve the campus automation challenges and awareness of greater need of technical expertise, promotion and training on the effective use of ICT and related devices to make teaching, learning and administration more impacting.

Key words: Campus automation, Internet of Things (IoT), Radio-Frequency identification (RFID), Optical Network.

INTRODUCTION

A Campus Automation system is an ERP solution to manage an Academic campus be it a College, institute or university. It brings an bring an effective system to manage all the aspects of an institution and seamlessly





Certificate

This is to certify that

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