



# **A SMART CCDI CAMPUS: INTEGRATING DIGITAL TECHNOLOGY IN BUILDING DESIGN**

## **RESEARCHERS**

Eva Margarita H. Buendia

Handyson H. Doctor

## **ADVISER**

Leandro F. Villanueva

**Sorsogon State University, College of Engineering and Architecture –  
Undergraduate Thesis**



### ABSTRACT

The present study investigated the importance and significance of information and Communication Technology industry in the education sector. The research included an intensive research regarding the ICT education and ICT industry in the province. Throughout the research, the Computer Communication and Development Institute has shown good standing regarding ICT education and this has become the grounds to conduct a study of proposing "A New Campus for The Institute by Integrating Digital Technology in Building Design"

The institute produces national and globally competitive students and graduate therefore the research suggested to provide suitable facilities and amenities that will provide a functional environment for the new campus. This includes a proposal of six main building; Administration Building, Academic Building, Skills and Development Building, Gymnasium, Food Court and Dormtel.

The research have different applicable laws that will affect and govern the proposed new campus such as the Commission on higher Education Memorandum Order regarding ICT education, fire Code, Plumbing Code and the BP. 344 which is an act to enhance the mobility of disabled person.

The design solution that will be adapted is the Smart Campus Development. This has already started all throughout the nation and is relevant to the study. The adapted of ICT in Development. This will showcase the significance of ICT in the country's goal of producing Globally Competent Graduates.

**Keywords:** ICT in education, Smart campus development, Digital technology integration, Globally competent graduates, Education facilities, ICT standards, Sustainable campus design

**Sustainable Development Goals:** 4 Quality Education, 9 Industry, Innovation, and Infrastructure