

Studying the Impact of Architectural Styles on Student Satisfaction in University of Energy and Natural Resources, Sunyani

Authors : Frimpong Gyamfi Marius

Abstract : At the University of Energy and Natural Resources (UENR) in Sunyani, Ghana, this study investigates the connection between architectural styles and student satisfaction. The study investigates how various architectural components, such as building layout, lighting, ventilation, and aesthetics, affect students' comfort, educational experience, and general contentment with campus amenities. Data was gathered using a mixed-methods approach that included physical inspections of school facilities, in-depth interviews with students, working and none working staff. According to the results, modern designs that incorporate flexible learning areas, sufficient natural lighting, and appropriate ventilation greatly raise student satisfaction. Nonetheless, it was discovered that certain traditional architectural features included in campus structures enhanced students' feelings of cultural kinship. The study also identifies key architectural challenges affecting student comfort, including inadequate thermal control and limited social interaction spaces. Based on these findings, the research proposes design recommendations for future campus development that balance modern functionality with cultural sensitivity. This study contributes to the growing body of knowledge on educational architecture and provides practical insights for improving campus design to enhance student experience in tropical climates.

Keywords : architecture, architectural styles, impact of architectural styles, impacts of architectural styles on students satisfaction

Conference Title : ICSAUD 2025 : International Conference on Sustainable Architecture and Urban Design

Conference Location : Stockholm, Sweden

Conference Dates : July 15-16, 2025