

Sustainable Campus Assessment Tool: Case Study of Engineering Faculty, Alexandria University

Authors : Faten Fares

Abstract : Undoubtedly, the world today faces difficult environmental, financial, and social challenges. In order to change people's lifestyle to be more sustainable, one must change people's culture then spaces by focusing on education. Further, the higher education has a key role to play in the move toward a more sustainable world. In the overall analysis, the true sustainable university will make a significant effect. Since the sustainable campus is not only a green built environment, which aims at energy efficiency, water efficiency, waste management, and conserving resources but also it is how to implement green built environment. This implementation takes place while engaging the campus stakeholders (students, academic staff, assistants, workers, and administrators) through educating for sustainability. The main purpose of the research is to develop a tool to assess the sustainable campus and to be a framework for achieving more sustainable campuses. In the case study, the data were analyzed to know existing efforts and capabilities then measure the sustainability performance using the proposal framework at Alexandria University Engineering Campus. Finally, the findings of the research explain that campus is partially adherence with the proposal tool and need to be more sustainable in a formally implemented.

Keywords : sustainability, higher education, sustainable campus, sustainability teaching and research, campus participation culture, environmental improvement

Conference Title : ICSA 2017 : International Conference on Sustainable Architectures

Conference Location : Paris, France

Conference Dates : January 23-24, 2017