Abstract:

To promote and encourage the concept of green architecture, many organizations and bodies have agreed to establish building assessment standards and specifications. Today, many countries use green architecture assessment systems that were already developed by several countries. Some of the expected benefits of implementing assessment standards and specifications are: The move towards applying green building assessment systems in Egypt is a result of dealing with climate related issues. Inefficient energy use and natural resources management and ineffective management of liquid, gaseous, solid and agricultural wastes, as well as sanitary and irrigation water wastes, have a very serious negative impact on the environment that affects all sectors of the State. This necessitated the development of a national Egyptian Green Building Rating System to ensure the realization of our development objectives: to fulfill the needs of the present generation without jeopardizing those of the coming generations, to reduce energy consumption and minimizing costs in the construction sector, in addition to implementing different techniques and methodologies. This paper aims to introduce the green architecture assessment system in Egypt through introducing the Egyptian Green Building Council, the Green Pyramid Rating System [GPRS] and its assessment criteria. This is done in order to assessing this system through the principles of the other systems around the world.

Keywords:

Green Architecture Assessment Tool, Egypt, Green Pyramid Rating System, GPRS, LEED.

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