Incorporate Resilience Principles Into Architectural Education Programs

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Abstract :

Resilience is one of the most important challenges facing contemporary architecture and must demonstrate that it is capable of accommodating its requirements, so it is necessary to develop architecture that is familiar with the principles of Resilience and can apply these principles with modern technologies in producing a Resilience and sustainable architecture. However, the reality does not reflect the community's awareness of the importance of Resilience and the ability of different systems to adapt to different variables and to cope with different challenges. Moreover, many architectural programs in universities do not have enough knowledge of Resilience.

The importance of research in highlighting the role of architectural education in the rehabilitation of architects with skills that enable them to apply the principles of resilience in their buildings, whether in university or in practice . The research will study the extent to which the concepts of resilience are incorporated into the architectural education programs in Egypt, highlighting the different methods that are appropriate, and will analyze the program of the architecture department of the Faculty of Fine Arts as a case study. To assess the knowledge students receive about the concepts of resilience, as well as to review research into many local and international educational endeavors in the form of workshops on the importance of opportunities offered by "resource recycling" strategies as resilience and sustainable design tools.

The research also concluded a series of results, the most important of which is that architectural education programs should create a community environmental culture by increasing students' awareness of the principles of resilience and emphasizing the idea of recycling materials. With recommendations on bodies linked to the development of the architectural education system in Egypt to achieve a resilience and sustainable society that provides comfort to its users.

Keyword :

Architectural Education , Resilience , Adaptability , Resource Recycling , Education Development.

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