

Spatial factors affecting indoor environmental quality of interior design in psychiatric hospitals

Prof. Said Hassan

Professor of Administrative Design - Faculty of Applied Arts - Helwan University

Assist. Prof. Dr. Dina Fekry

Assistant Professor - Faculty of Applied Arts - Helwan University

Assist. Prof. Dr. Noha Fakhry

Assistant Professor at the Higher Institute of Applied Arts - Fifth Settlement

Assist. Lect. Marwa Wael Mohammed Al-Safty

Assistant Lecturer at the Higher Institute of Applied Arts - Fifth Settlement

marwasafy1987@gmail.com

▪ Abstract:

Psychiatry specializations are considered one of the important specializations in the current era in the Egyptian society due to the passing of a lot of psychological and social pressures as a result of some economic deterioration experienced by Egypt, especially after the revolutions. One of its consequences was the impact on the psychological aspects of society, which led to the need to take an interest in psychiatry and the rehabilitation of specialized hospitals and government agencies to be able to meet the requirements of treatment in this area.

Since a large proportion of the world's population has psychiatric disorders, it is the designer's responsibility to contribute significantly to building a healthy environment, the work of interior design and the design of external spaces that contribute to treatment. Evidence-based design may enable designers to understand the causal linkages between the environment and psychotherapy.

People need diversity in their visual vision. Diversity is the balance between unity and complexity. Extreme unity leads to imperfect motivation, while extreme complexity leads to over-stimulation. Excessive stimulation exposure can cause changes in respiratory rate, pulse rate and blood pressure. An increase in muscle tension. Psychological reactions of different types, and the designer is responsible for finding an appropriate balance between extremism and harmony required in interior design. Studies indicate that there are many factors that affect the satisfaction of patients and workers in the internal environments of psychiatric hospitals. These factors are integrated; the difference of one factor significantly affects the rest of the other factors and affects the users of the place, and should be considered all the factors affecting the quality of the internal environment that the integration has a positive or negative impact on the other factors are weak design of the quality of the internal environment of the interior design. Not only negatively affect the physical health of the building occupants, but also their mental health. These factors are classified into two categories: spatial factors and environmental factors.

Location and interior factors include a small set of environmental conditions that effectively reduce stress. They include certain types of music, furniture layout, interior plants, landscape, guidance and guidance, color scheme, art objects, nature views and virtual reality interference (VR).

▪ **Keywords:**

(Spatial factors – indoor environmental quality - Interior design - Psychiatric hospitals).