

## **Interactive interior design and its impact on improving the performance of libraries**

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### **Abstract:**

In order for the design being appropriate to the environmental and cultural conditions, the Interior Designer has many challenges in the design process, whereas modern technology has a great impact on causing successive architectural transformations in response to the many developments in Communication and Information Technology. As well as many new concepts emerged in the field of interior design, which meet the human needs and its future requirements, including but not limited to, the interactive interior design, which made the interior designer reconsider the traditional design methods to integrate them with digital technological design, because the interactive design gives a new meaning for each of the form, space and function and makes the spaces interact with the human being, taking into consideration the respect of the internal and external environment.

The Research presents the interactive interior design and its impact on improving the performance of libraries, by using the interactive design in interior space aimed at meeting the needs and requirements of users, in addition to maximizing the benefit from the available spaces and improving the performance of libraries, whereas the use of the interactive design in the determinants of the interior spaces of libraries works on achieving the function, and contributes to linking users to the library spaces and ensuring their interaction with it, It works on solving the prevailing problems in it, as interactive technologies can be used as a guide or to attract the attention of library visitors, and these technologies can also be used as a means for browsing and reading books, and it reduces the negative aspects in design by providing an innovative, purposeful and easy to learn and use design, and it works to enhance the positive aspects. In design, by providing an entertaining and fun design that the user can enjoy by employing different senses.

The Research adopted the descriptive and analytical approach by studying the concept of interactive interior design, and the techniques of the interactive design that contribute to forming interior spaces (floors, walls, and ceilings, etc.) in libraries.

### **key words:**

Interior Design, Interactive Interior Design, Libraries, Performance Improvement.