

The impact of Internet of things technology on aspects of product design

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Abstract:

The past few years have witnessed a surge in technological development in all areas of life, and its emergence has led to great changes in human life from primitiveness to controlling the matter through the Internet. Each new technology has an impact on completely changing societies, which led to many changes in concepts and practices. Among the most Types of technology spread and impact on products of all kinds, and it is one of the applications of the fourth industrial revolution, we find that IOT works on making the whole world connected to each other through communication and information exchange through the Internet connection to make all products able to communicate with each other, through Four main pillars are (Things - People Users - Connectivity - Data Processing), and therefore it erases the line between the digital and physical world, through IOT the world will become as a smart product in all its aspects, it will also be able to make some decisions and this As a result of the data stored on its own cloud, there are many products that use the concept of IOT and are no longer limited to the concepts of smart cities and cities. Smart Homes but also include Wearable Devices, Health Care applications, Transportation, Education, Smart Retail Stores, and Mobility. Which adapts to the needs of the user, and in light of these changes, it has become important for the designer to take into account this technology and the extent of its impact on the product life cycle and on the process of designing and developing the product.

Keywords:

internet of thing,smart home,warbles,smart cites, Health Care applications