A methodology for Product redesign and design refresh

Dr. Samaa Ahmed Waheed Moustafa
Assistant Professor, Metal Products and Jewelry Department, Faculty of Applied Arts, Helwan University
Transport, samawaheed155@gmail.com

Abstract:
Product designers seek to solve real problems for beneficiaries and users of their products using empathy, knowledge of potential customers' habits and behaviors, what hinders their use of products or what attracts them to them, as well as their needs and desires. Good product design practices stick to the product throughout the entire product life cycle. Product design is essential in creating the initial user experience and product presentation, from user research to concept development to prototyping and usability testing. But these practices do not end there, as product design plays an ongoing role in improving the customer experience and ensuring the addition of complementary functions and capabilities in a seamless and discoverable manner. Brand consistency and development remain a primary responsibility for product design until the end of the product's life. Each designer knows that he must constantly monitor his product and re-design it if necessary. Product design refresh means making visual or appearance changes that affect the appearance of the product while not changing the main ergonomic or functional elements of the product or the user experience structure. As for the re-design, the change is radical, beyond re-designing the visual and formal elements of the product or the so-called appearance of the product. The redesign is often aimed at simplifying the user experience, adding new features or functionality, and includes major changes to the product's structure and functionality and improving its ergonomics. Redesign usually involves significant changes in product packaging that result from changes in its shape and size.

Research problem: The line between a design refresh and redesign is often blurred when the goal of an appearance update evolves into more massive and more impactful changes. If the changes made by the designer affect the look, function and functionality of the product then this will undoubtedly be considered a kind of re-design. The solution may be to clarify the differences between both processes in their objectives, results, and even procedures for each of them. The research question can be summarized in: How can designers benefit from updating and re-designing in reformulating products and building them in design and practicality by benefiting from the user experience? Research objectives: Preparing an applied methodology that takes into account the difference between re-design and design refresh in product design to achieve the best return in the product design process, as well as benefit from the review and analysis of user experience in a comprehensive and accurate way to find appropriate design procedures. Research Methodology: The study uses the inductive approach. The induction process in this study is based on the process of deriving a comprehensive and accurate way to find appropriate design procedures.

Keywords:
Product Design, Product Redesign, Product Design Refresh, User Experience

References:

Paper History:
Paper received 19th March 2021, Accepted 25th May 2022, Published 1st of July 2022