Assignment – 1

Aim :- Identify and observe bad designs Students are expected to submit minimum of 3 to 5 photographs of bad designs in their surrounding or home or any product or neighborhood and create a report mentioning why is it bad? They can submit word/pdf file having photos and description, source of photos and place and mention why is it bad and discuss the outcome during lab session.

Theory :-

Good Design :-

Good designs exhibit several key characteristics that make them effective, user-friendly, and aesthetically pleasing. Here are some attributes of good designs:

1. Functionality: A good design serves its intended purpose effectively. It fulfills the needs and requirements of users, allowing them to accomplish their tasks easily and efficiently.

2. User-Centered: Good designs are created with the end-users in mind. They consider the users' preferences, abilities, and limitations, resulting in an intuitive and user-friendly experience.

3. Simplicity: Good designs are often simple and easy to understand. They avoid unnecessary complexity and clutter, making it easier for users to interact with the product or service.

4. Consistency: Consistent design elements and patterns create a cohesive and harmonious user experience. Users can predict how the design behaves, leading to a more familiar and comfortable interaction.

5. Aesthetics: Good designs pay attention to aesthetics and visual appeal. They use colors, typography, and layout to create an attractive and engaging presentation.

6. Accessibility: Good designs are accessible to a diverse range of users, including those with disabilities. They consider factors like readability, contrast, and navigability to ensure inclusivity.

7. Efficiency: A good design is efficient and minimizes the steps required to achieve a task. It respects the users' time and effort, streamlining processes for a smooth experience.

8. Clarity: Good designs communicate information clearly and effectively. They use appropriate visual cues, icons, and labels to guide users and reduce confusion.

Here Are Some Examples of *Good Design* **:-**

    1) News-Paper Stand :-

Img Src *:- Pict Pune Reading Hall Porch*

1. Functionality: A good design should serve its primary purpose effectively, which in this case is holding newspapers in an organized and accessible manner. The string and rim should securely hold the newspapers, preventing them from falling or getting damaged.

2. User-Centered Design: Consideration should be given to the users who will interact with the newspaper stand. The height and positioning of the string and rim should be convenient for users to access the newspapers easily.

2) Sanitizer Stand :-

1. Enhance Sustainability: Incorporate eco-friendly materials and a refillable sanitizer container to reduce single-use plastic waste.
2. Improve Aesthetics and Branding: Enhance the visual appeal of the foot-operated sanitizer dispenser and add branding elements to increase user engagement and recognition.
3. Ensure Portability and Versatility: Make the sanitizer stand easily portable with features like wheels or adjustable height options for seamless adaptation to various environments.

Img Src :- Pict Pune Main Enterance

3) Wall Fans in reading hall :-

Img Src :- Pict Pune, Computer Department Reading Hall

1. Minimal Space Usage**:** Wall fans are mounted on the walls, which means they don't occupy floor space. This is advantageous in areas where floor space needs to be optimized for seating or movement.

2. Adjustable Airflow**:** Most wall fans come with adjustable settings, allowing users to control the airflow according to their preferences. This flexibility lets readers customize their comfort levels.

4) Passage Between Two Buildings :-

Img Src :- Pict Pune Reading Hall Porch

The design change to create a way for passing between the two departments at the xerox center is indeed a good design decision. Here are some reasons why this modification is beneficial:

1. Improved Connectivity: By creating a way for passing between the two departments, the xerox center now fosters better connectivity and communication between the two teams. This can lead to increased collaboration and efficiency.

2. Enhanced Workflow: The improved accessibility allows for a smoother flow of work between the two departments. It enables seamless interactions and exchange of documents or materials without barriers.

5) Cable management feature at the furniture

Yes, incorporating holes or cable management features in furniture to facilitate charging wires and other cables is indeed a good design decision. Here are some reasons why this design is beneficial:

Img Src *:- Pict Pune, IT department 3rd floor*

1. Convenience & Safety: Install cable management for easy wire routing below the table, reducing clutter and tripping hazards, creating a safer and more organized workspace.

2. Improved Aesthetics: Hide cables under the table surface for a cleaner and visually appealing environment, enhancing the overall workspace aesthetics.

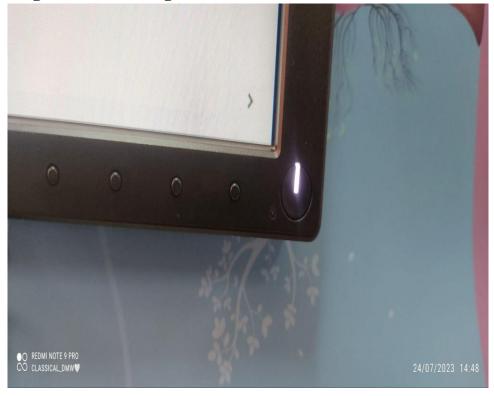**Here are some good designs from surroundings:**

1. Bottle Holder

Img Src :- Home

1. Ergonomic and User-Centric Design: The bottle's ergonomic shape prioritizes user comfort and easy handling, allowing for a secure grip during sports, outdoor activities, or daily commutes. The adjustable holder caters to users of all ages, ensuring effortless carrying.
2. Durable & Lightweight Materials: Crafted from high-quality stainless steel, BPA-free plastic, or shatter-resistant glass, the bottle and holder are robust enough to withstand rough conditions. Their lightweight construction prevents unnecessary burden, making them practical for diverse environments and daily use.

2. Desktop having buttons for brightness

Img Src :- Study Room, Home

1. Intuitive Brightness Control: Effortlessly adjust display luminance with dedicated buttons for personalized comfort and an enhanced viewing experience.
2. Seamless User Experience: Streamlined design allows convenient brightness adjustments without complex menus, ensuring user-friendly optimization of display visibility for everyday tasks.

3. Bladeless Fan

1. Safe and silent: Bladeless fan with no exposed blades, ensuring a child-friendly environment and providing a quiet, gentle airflow for peaceful comfort.
2. Innovative design: Bladeless fan offers safe, blade-free cooling, minimizing noise and creating a tranquil atmosphere for relaxation or work.

Img Src :- Home

Conclusion:- We have successfully Identified and observe bad designs and we had submitted minimum of 3 to 5 photographs of bad designs in their surrounding or home or any product or neighborhood and create a report mentioning why is it bad.