



Compact Desk : WFH Solution

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Reflective

Cognitive, intellectual level of thinking. Watches over behavioral and influences it; has no direct control or connections to the visceral level.

- the efficiency of fast online meeting set up (file organization, location of the desk, and comfort)
- the flexibility uses of branches racks (design element of the room (variety option of colors), temporary storage for easy pick-up)
- the flexibility uses of folding desk (space saving, reduce stress by hiding the mess)

Behavioral

The level of most behaviors. The behavioral level of thinking is controlled by the reflective level but influenced by the visceral reactions (though this happens subconsciously).

- the ergonomic size and space of the desk (possible for laptop, monitor, speaker, microphone arm holder, stationaries, papers)
- the function of branches racks (books, files, stationaries, clock, decoration, headphone hanger)
- the function shelf (files, boxes, desktop pc, laptop bag)

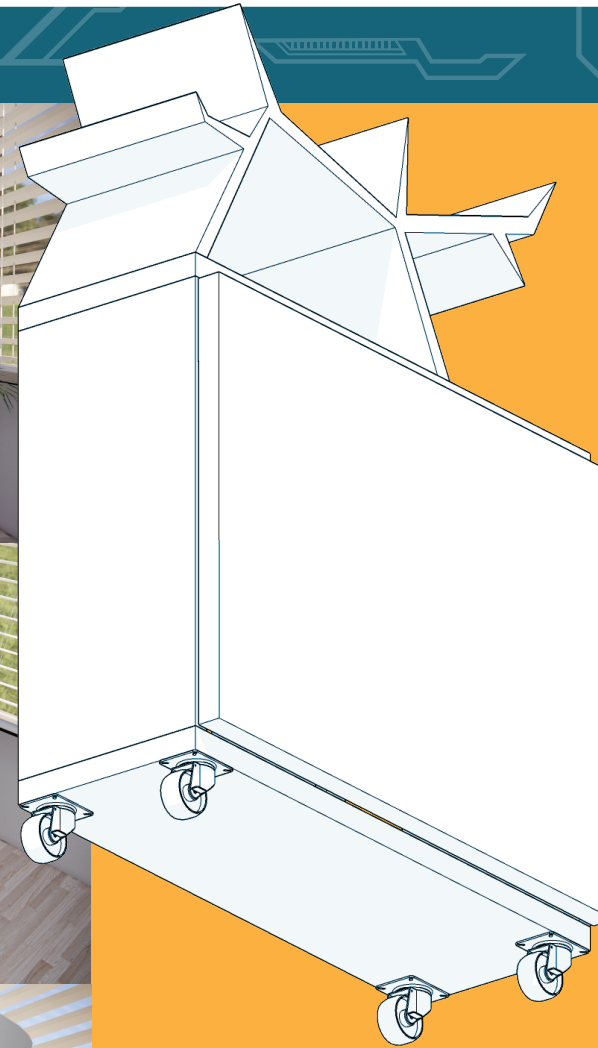
Visceral

Quick reactions and judgements of stimuli. In charge of our emotional reactions and informs the behavioral level.

- the style of the desk (stylish and economy design)
- the easy way to use the desk (fast assembly, strong structure, and multiple functions)
- the mood and feeling of using the desk (ergonomic for study, work or gaming)

Sensory Input

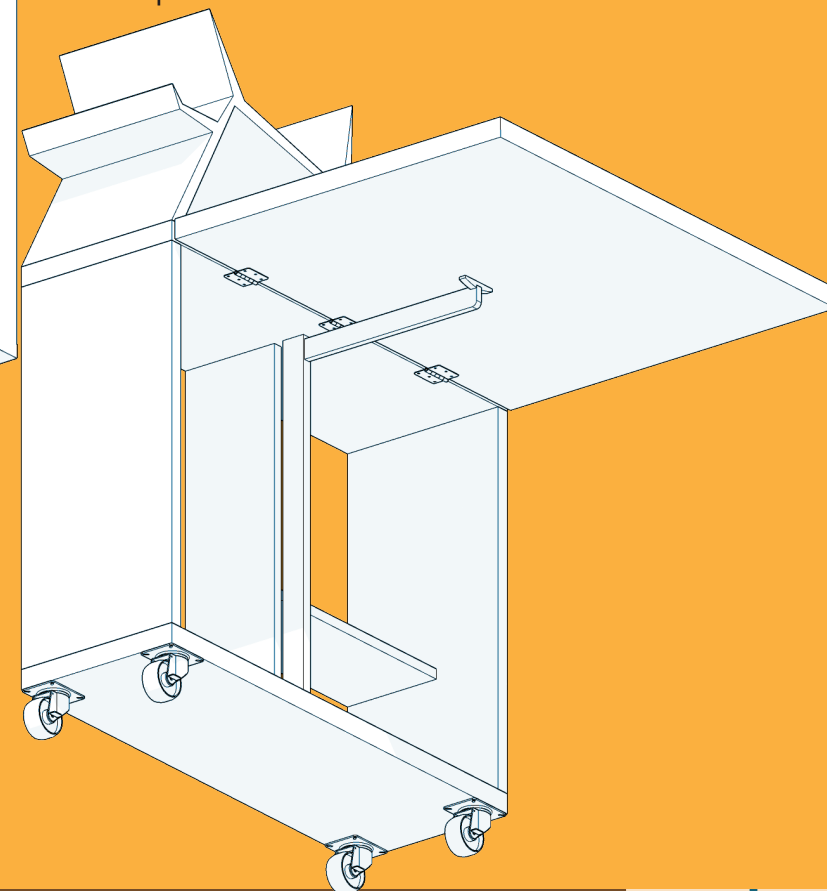
Motor Output



Mechanism

Dimensions

104cm (H) x 74cm (L)
26cm (depth - closed)
82.2cm (depth - open)



Abstract

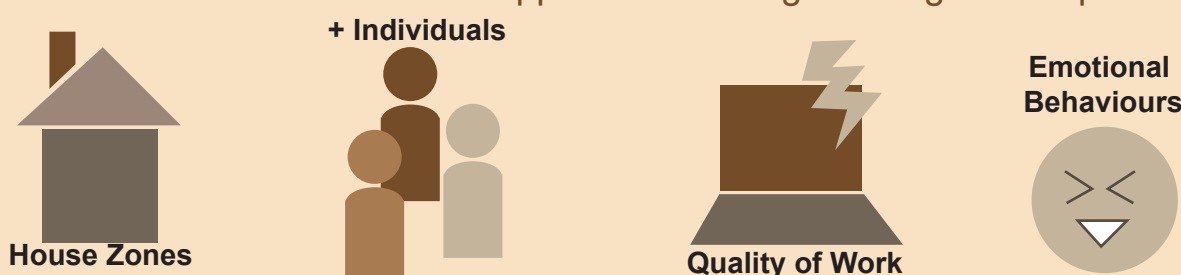
Compact furniture is a significant element nowadays. In response to the pandemic situation, various spaces in most houses are being utilised. Living rooms, dining halls, bedrooms and even balconies and kitchens are being transformed into workspaces. Working from home and online learning are the main reasons compact furniture is becoming more prevalent in every household. The living and working patterns in a compact space are observed in reference to the emotional design concept. Hence, this paper illustrates the functions of compact furniture design that focuses on Don Norman's viewpoints on the three levels of emotional design by presenting the features of the compact furniture design focusing on visceral, behavioural, and reflective levels.



Problem Statement

The starting point of our design proposal is the ability to work and learn from home within limited house zones. Compact spaces with several individuals in one household working simultaneously are issues that can be associated with emotional behaviours; emotional risk for working/learning space at home that relate to the quality of work accomplished.

Emotional risk is a situation where emotion and logic needs to be addressed in balance. Such as inconducive space, social disturbance, noise, as well as messy surroundings which lead to struggle and eventually demotivated/low self motivation to work/learn. Hence, this compact desk is designed to reduce the emotional risk and support the working/learning user experience.

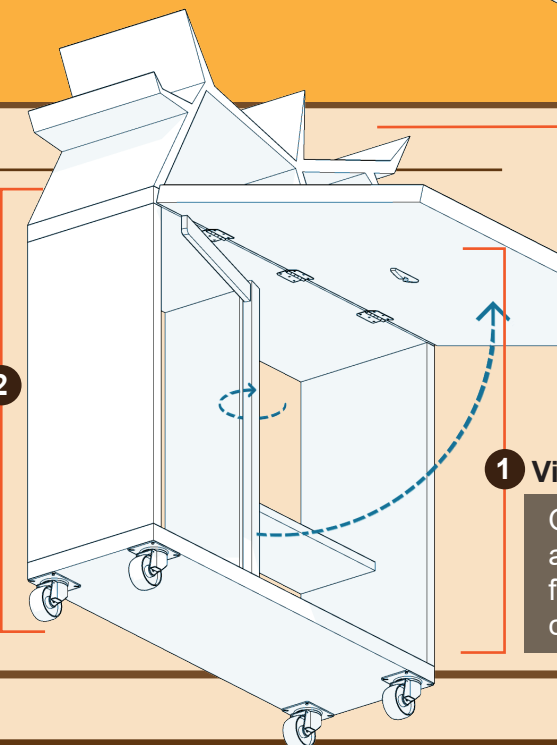


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Usefulness

Behavioral 2
User experience encourage to control behaviour in terms of ergonomic space, multiple storage and multiple functions



3 Reflective

Satisfactory for set - up efficiency, flexibility of storages, and flexibility as room decoration

1 Visceral

Quick reactions on mood and feel, assembly, style for using it with ergonomic comfort

Project Target / Objective

- 1 To observe the appearance of a compact furniture design for users
- 2 To design the characteristics of a compact furniture design
- 3 To improve the user's behaviour for working at home behaviours during the pandemic

Commercialization Potential

Industry Partner



Novelty

This project is conducted in partnership with East Heritage, a furniture design company based in Kuala Lumpur. Therefore, this compact furniture design will be looking at the current trends of a compact furniture design that can accommodate a furniture company's requirements as East Heritage produces customised furniture with an artistic approach with solid characters.

Hence, this paper offers a solution for a compact furniture design idea focusing on working desks specifically for home usage. This compact work from home desk also offers enhanced working conditions despite the pandemic circumstances; in generating a positive environment while working and learning from home within compact spaces with its' unique features and functions such as stylish and economical design, easy and fast assembly, multiple functions, space-saving and attractive as well.



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