

Using Ergonomics in Smart Bag Designs to Conform the functional requirements of pilgrims

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The Problem

There is a fear of potential health problems resulting from carrying the bag for a long time as well as psychological problems resulting from the pilgrims' concern about the loss or theft of their personal belongings. Pilgrims' concern about losing or stealing their personal belongings.



The Importance of The Idea

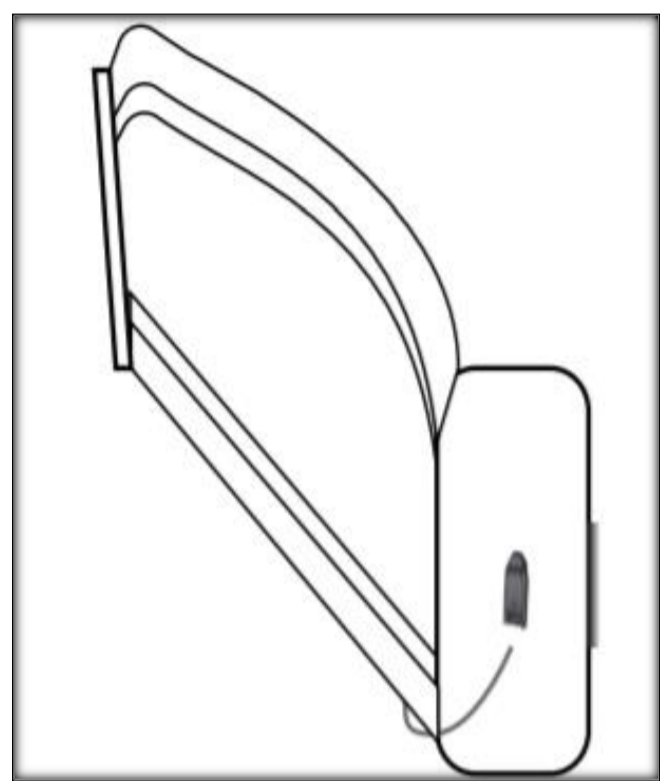
1. Strengthening interest in pilgrims in line with the vision of the Kingdom of Saudi Arabia 2030 by providing the finest services to pilgrims.
2. Contribute to the service of the Islamic community with modern design visions in the field of clothing accessories for pilgrims.
3. Fulfill the functional requirements of pilgrims by using ergonomic aspects



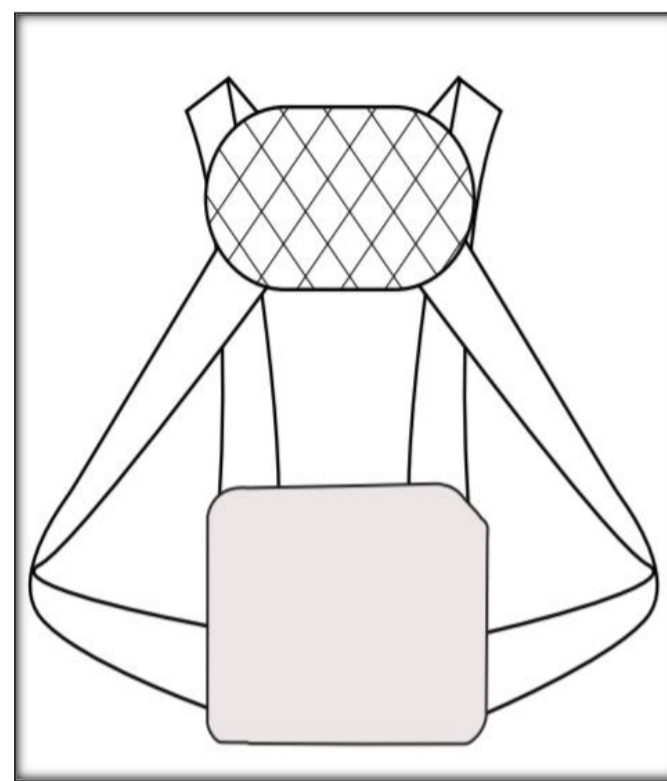
Front View



Side View

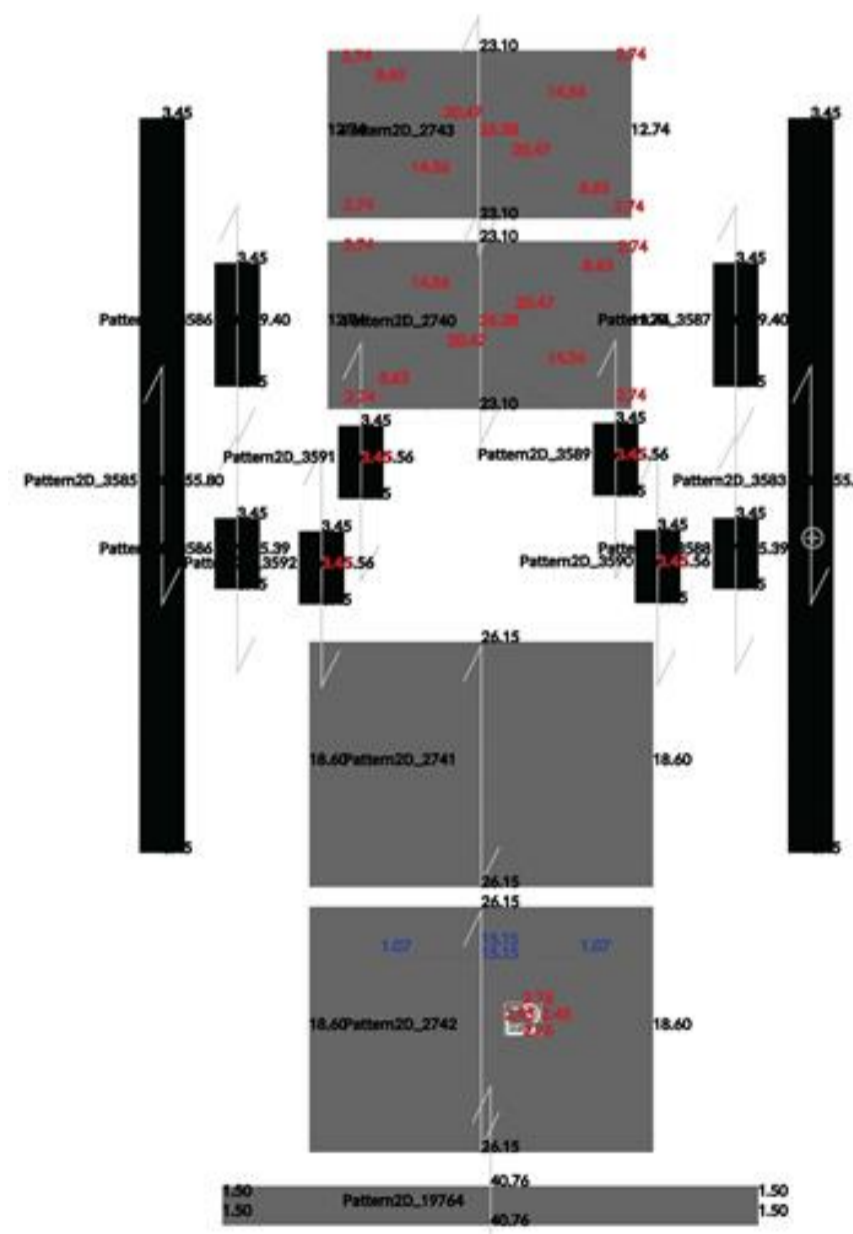


Back View



Suggested Designs Description Ergonomic Smart Bag

Bag pattern



Element of use

Locating the bag, combating theft cases, and the ability to charge smart devices through it. It contains RFID technology to identify the user.

The Bag Prototype



Materials: Cotton and Light sponge filling (Color: gray & black)

The Conclusion

Ergonomic standards should be applied implemented in smart design, taking into account aesthetics, functionality, safety and ease of wear. The design contributes to the field of community service, especially for the pilgrims' category, in line with the Kingdom's 2030 vision, which emphasize the need to provide well-being for pilgrims, which is one of the most important goals of the convenient considerations.

