



## **COVID-19 Design Innovation Grant** Architecture / Interior



15 May 2020

## Design Discription

Back to normal life through social awareness and successful quarantine for those with COVID-19 symptoms. The slogan of the **Inflatable Bubble** is simply playing that role to recognize this message.

The Inflatable Bubble Tent would be the main pod to isolate patient during the quarantine as well as the balloon would be a symbolic expression to celebrate the end of the pandemic.

The main concept is to provide a suitable space containing necessary facilities for quarantine with the advantage of keeping the visual connection. Taking into count the following.

**Full Isolation:** The tent will be totally isolated with the gap-air edges from PVC material. WC with Shower to prevent the patient from using the home toilet.

**Connectivity:** The patient visually connected with family members through the transparent PVC is very essential for the whole family and the patient's psychological health.

**Safety:** The sterilized delivery window is the only connecting point between the patient and others. To deliver food, water, and medicine, so the patient should keep a minimum distance of 1.5 m from the window during the receiving.

**Relief:** Providing all necessary items for the temporary accommodation during the quarantine like single bed, chair, table, private toilet, shower, internet, and fresh air outlet.

**Reuse:** Tent would be easily sterilized after the quarantine and reuse for another case.

**Mobility:** Tent is very lightweight and it can be moved and carried anywhere.

**Flexibility:** It could be used internally inside rooms or externally at the house garden, also possible to be a prototype.

**Simplicity:** Tent's components acting as inflatable one unit, except the toilet and shower which are simple camping products.

**Economical:** achieving the desired amount 1000\$ was the key role to present the proposed concept, especially for the mass production the budget could be less compared to the prices of similar examples.

## Confirmation Letter

I hereby confirm that the attached proposed Quarantine - Inflatable Bubble Tent presented by ArchMelar Design Studio.

It would allow those with COVID-19 symptoms and others under the same roof to safely co-habit without transmitting the virus.

As the design meets the international standards and taking into consideration principles of the total isolation for the infected person by providing suitable spaces containing all the necessary facilities during the quarantine period with the advantage to keep people visually connected which is contributing to improving the Psychological health of the patient as well as accelerating the recovery duration.

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