

Design of Kiosk for Serving Indian Snacks



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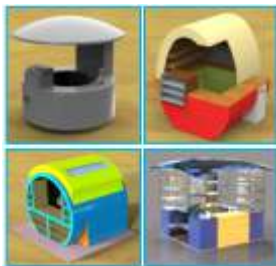
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Abstract:

The trend of shopping and purchasing things of our Indian customers have changed faster from street sellers, road side shops, and then to markets, now the trend has gone to kiosks which are small and temporarily made shops seen in and around the shopping malls, fairs, bus and railway stations. There may be several kiosks found in shopping malls and hyper market. Presently the snacks kiosk available for shopping malls lack hygiene. Hygiene refers to activities associated with cleanliness and good health. Exposed snacks, improper placement of utensils, untidy working conditions and improper disposal of waste. Contribute for these unhygienic conditions. The proposed project was taken up to design a kiosk, with the main aim to design a kiosk for serving Indian snacks in mall focusing on functionality, ergonomics, hygiene and aesthetics.

This project mainly addresses the aesthetic and hygienic issues involved in the design of a kiosk and provides an opportunity to develop an innovative snacks kiosk and intends to change the existing snacks stall. Various methods and methodologies have been used for solving the problem. To collect the information regarding the problem, product study, market study and user study were done. Ergonomic and space requirements for the design of the kiosk were considered as per the ergonomic considerations and concepts were developed to arrive at the optimum size of the stall. Following the Quality Function Deployment (QFD), Product Design Specification (PDS) was drawn to create an appropriate design specification. Various concepts were generated and one concept was finalised and detail designed and digital rendered using Catia and Keyshot software.

A 1:5 scale mock-up model has been made to validate the final concept. Main needs like hygiene, aesthetic, functionality and ergonomics were addressed in the final design. User feedback was conducted and the results were positive and satisfactory.



Various concepts of kiosk



Rendered final concept



Final mock- up model of kiosk