Vid'yut

Industrial Design Competition

HAPPY HAWKERS

Introduction

Street Hawkers across India, including the farm workers as well as the vegetable vendors, are lifting, carrying and moving objects on head, from door to door to sell their goods. Hawkers selling goods by carrying it on head is one of the oldest forms of retail selling. Hawkers generally sell inexpensive products like handicrafts or food items. They do not own permanent shops.

Hawkers carrying heavy loads like vegetable baskets on their head often bear occupational hazards like musculoskeletal disorders, painful to neck, restricting the head and eye movements and affecting vertebral column while the load is on head and shoulders. An efficient load carrier is necessary to distribute load from head to shoulders to solve the complex traumatic problems caused by work drudgery.

The plight of street hawkers often goes unrecognised and unacknowledged, despite their struggle for recognition and regulation. They constantly work under demanding conditions for long hours adding to the Indian economy. Thus, the participants are invited to design a load carrier device that can ease the manual labour and exertion on the street hawkers thereby increasing their efficiency. The design should address the plight of street hawkers and improve under-privileged life and health of street hawkers.

The brief

The main objective of the project is to design and develop a device as an extension to the body & not touching the ground, to assist street hawkers in load carrying on the head & shoulders for an Indian context. This device is intended to reduce the load on the spine while carrying load on the head and provide good hand grip for shoulder load carrying. The innovation should facilitate two methods of lifting and shifting of the loads by hawkers, such as above the head or on the shoulders.This device must be simple, durable, light weight and cost effective.

Rules and regulations

1. Final presentation must be submitted in 3 A3 format sheets with division of understanding, concept and design.
2. Multiple entries from a college are appreciated.
3. Each team can have a maximum of three members.
4. Submissions must be in .pdf format only (maximum 15MB).
5. Entries should be sent with the subject "Vidyut 2020_(college name)_ (one participant's name)" to vidyut@archcult.org.
6. The name of the college must be mentioned in the subject.
7. The name of the team members must be present in the body of the letter along with the contact details (phone number & email ID).
8. All entries must reach us before 11:59 pm, 25th February 2020.
9. All decisions regarding the contest by ARCHCULT JUDGING PANEL will be final.
10. Results will be announced during the Valediction ceremony of Archcult'20.
11. ArchCult retains the right to publish entries submitted as a part of the Vidyut'20 design competition.
12. Kindly make sure that the entire process up to the final design is also put up onto the sheets clearly for our jurors to assess.
13. **Prizes worth Rs.8,000 are to be rewarded.**

http://vidyut.archcult.org/

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