

## Why this is a wicked problem?

### The magnitude of the problem

Security guards face severe health risks now and may leave work in future due to extreme weather conditions



### The nature of the problem

1. Many inter-dependencies, multi causal
2. No clear solution

## Causes of the problem

### Extreme weather conditions



### Guards' needs ignored due to low status



## Existing solutions don't work

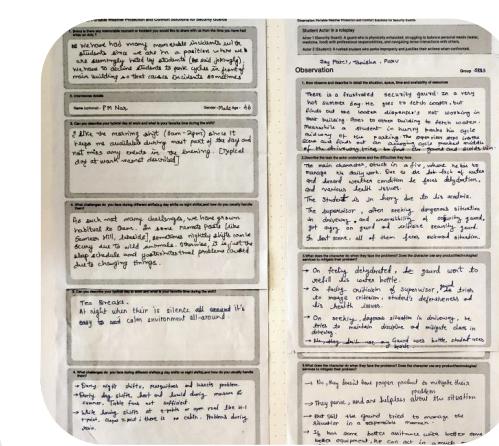
### High costs of advanced solutions



### Static solutions don't suit mobile guards



## Interviews



We found that guards face heat, rain, mosquitoes, and back-pain, with poor gear reducing their comfort and work efficiency

## Observations



The role-play showed the daily struggles and unfair treatment security guards face. It made us empathize with their challenges better.

## Insights → Key Insight → Actions → Key Action



Despite plenty of weather-proof cabins and gears, most guards still suffer that "comfort is designed, but not for them"

### Key Insight

Security guards often work long hours in harsh weather conditions, facing extreme temperature, air pollution and insects which negatively impact their health, focus and job efficiency

### Key Action

Design a portable, quickly deployable cabin that protects security guard from sunlight, rain, insects and air-pollution with transparent walls for surveillance and an ergonomic chair for comfort

## How Might We?

How might we design a portable cabin for Ramesh Patil that can be quickly deployed and retracted, offering protection from intense sunlight, air pollution and insects, providing him 360° visibility, and equipping it with an ergonomic chair for comfort during prolonged sitting to avoid back-pain?



### Persona: Ramesh Patil

#### Goals

Ensure the safety of the premises and all individuals under his protection

#### Frustrations

1. Outdated security system complicates the job
2. Lack of co-operation from visitors and staff

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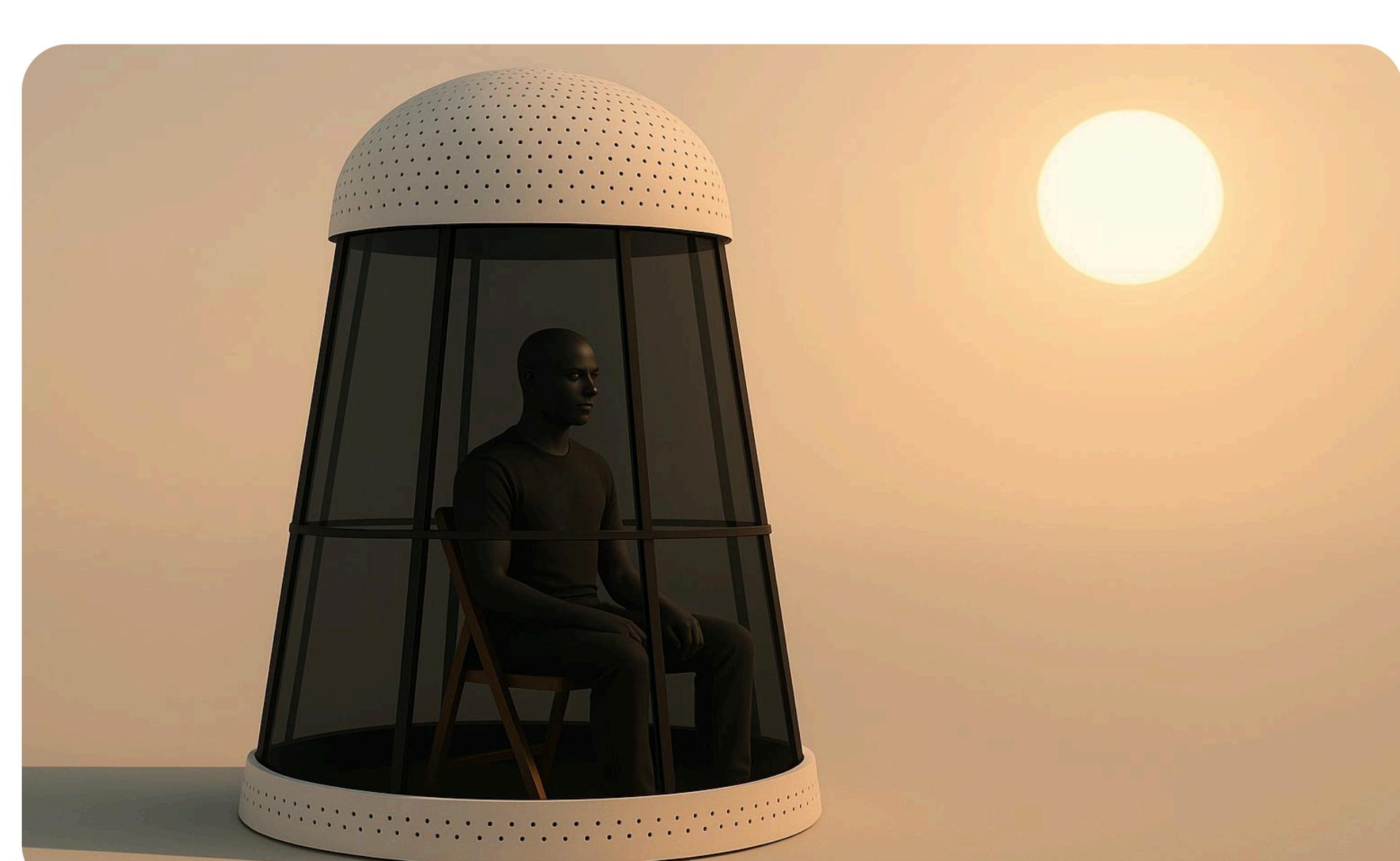
## Creative Ideation



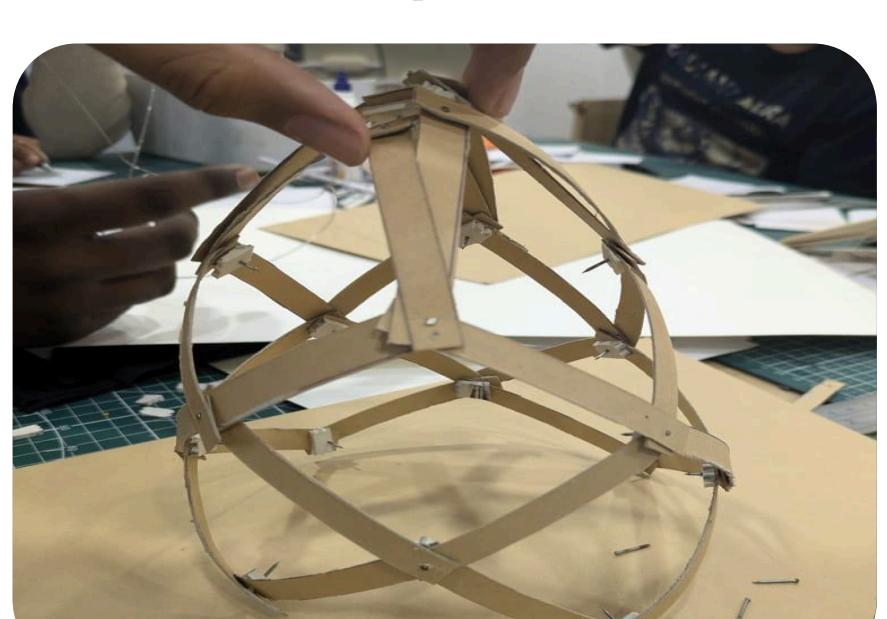
## Storyboarding



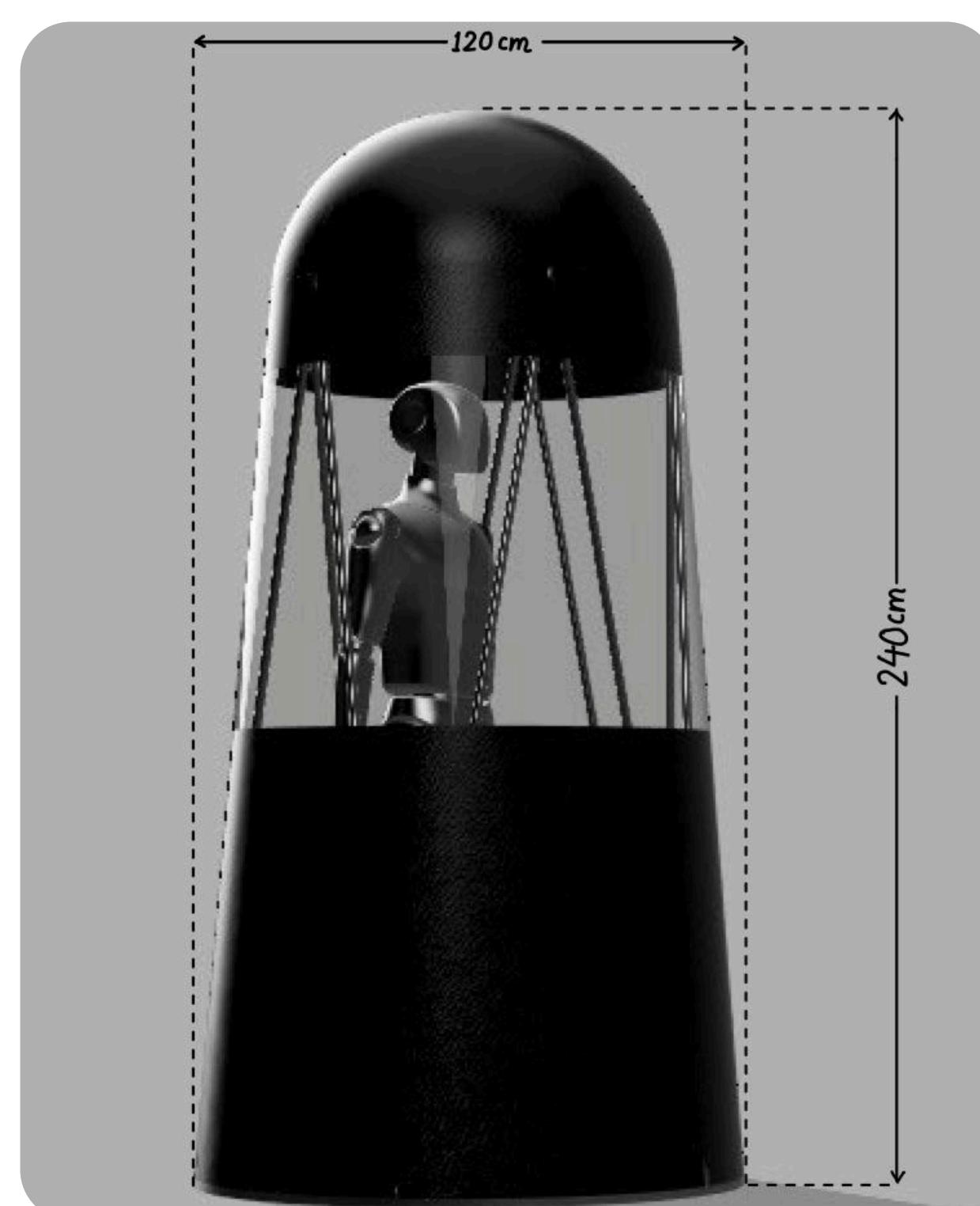
## Final Outcome



## First Mock-up



## Evolved Specifications



## Second Mock-up



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