

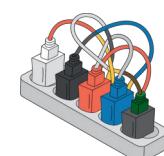
LYB-Tech, Industrial Product Design, IA1

# THE HUBLET

**Hublet** — a smart wire and dongle organizer designed for hassle-free travel

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01

## IDEATION



While travelling, it's **difficult** to manage small **accessories** like dongles, USB drives, and charging cables. They often get **misplaced, tangled**, or **damaged** due to poor organization.

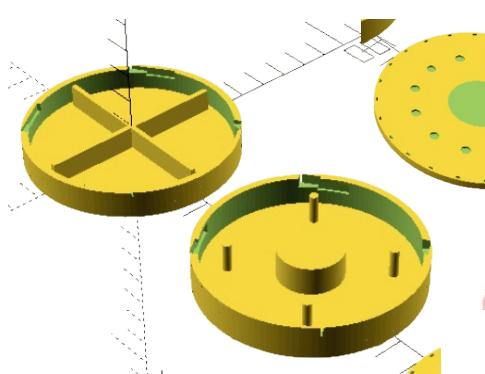


**GOAL:**  
Design compact, **all-in-one storage pod** that keeps essential accessories safe, accessible, and neatly arranged.



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## 3D MODELLING



**Tool:**  
OpenScad

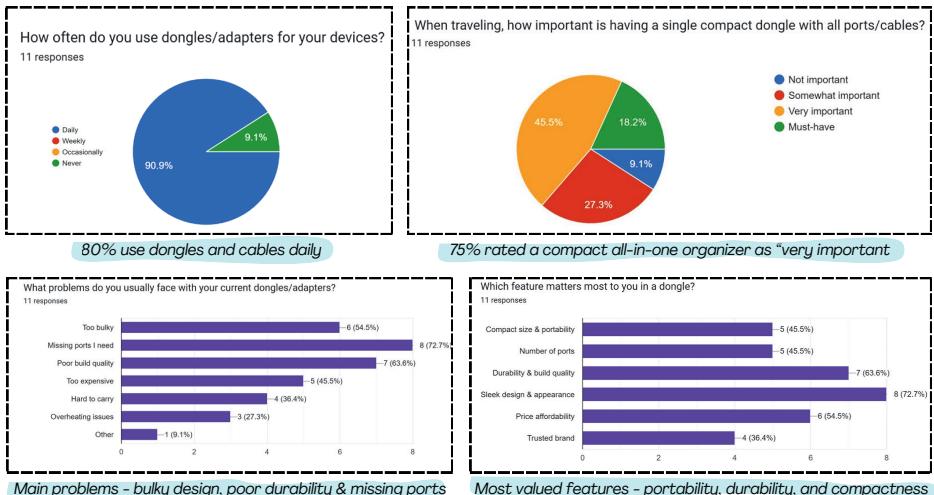
- Modelled the storage pod with **internal divisions** for USBs, dongles, and cables.
- Adjusted size** for travel-friendly dimensions.
- Added **locking and lid mechanism** for safety.
- Material: **3D-printed PLA**, chosen for its light weight & strength.
- Visualizations helped **refine form, fit, usability**.

02

## MARKET RESEARCH

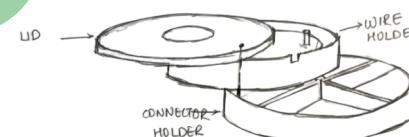
A user survey was conducted among students and young professionals (ages 18–24) to understand dongle and accessory usage habits.

### KEY INSIGHTS:

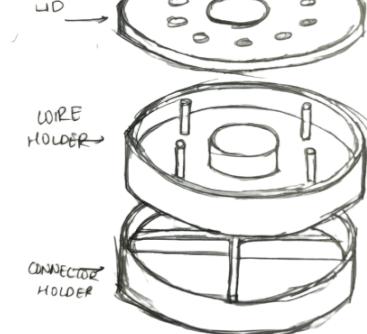


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## SKETCHING



Initial sketches prioritized **compactness** and **easy access**, exploring circular and rectangular shapes with **modular compartments** to secure small accessories.



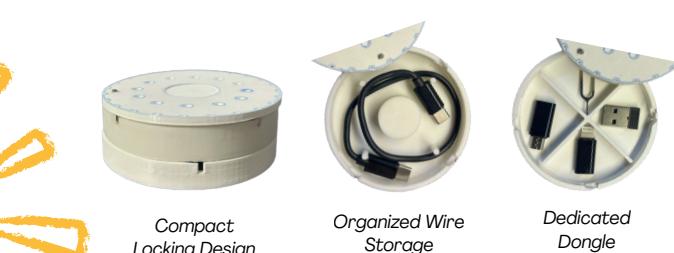
**Design Focus:** Portability, Simplicity, Ease of use

05

## FINAL PROTOTYPE

Features:

- Compact travel case** to store small gadgets in one place.
- Divided sections** to prevent clutter and damage.
- Lightweight PLA material** ideal for portability.
- Durable structure** with clean aesthetics.



### OUTCOME:

The **HUBLET** offers a **simple, practical, and portable solution** for keeping your travel tech essentials organized and secure.