

TASK-15 DESIGN THINKING BOARD

PRODUCT : Modular Desk Organizer with Wireless Charging.

AMBIGUOUS PROBLEM : Users love to use modular design and wireless charging featurers, but sometimes they often complain about :

- 1.The modules is not staying firmly in right place, making it inconvenient during use.
- 2.Wireless charging being slow.

Empathize

USERS :

- 1. **STUDENTS** : They find it frustrating when modules shift around means they should always adjust it while studying or organizing.
- 2. **OFFICE WORKERS** : They want a fast and smooth charging experience , especially during in their busy work schedule.
- 3.**CONTENT CREATERS** : They want an organizer that is stable and helps them to keep thier electronic gadgets in a proper way to create content smoothly with multiple devices.

Ideate

Type something

BRAINSTORM SOLUTIONS:

- 1. Upgrade to a faster wireless charging pad that supports multiple devices.
- 2. Use magnetic connectors between modules to keep them stable.
- 3. Create an app-based notification system that alerts users when their device is fully charged.
- 4. Adding a non -slip pad at the bottom of the organizer.
- 5. Design customizable modules with better grooves to hold items securely.

Define (5 min)

HOW CAN WE IMPROVE THE WIRELESS CHARGING SPEED AND STABILITY OF THE MODULAR DESIGN , WHILE KEEPING IT FUNCTIONAL AND USER-FRIENDLY ?

Prototype

I HAVE CREATED A PROTOTYPE WITH FOLLOWING FEATURES

- 1. A 15W fast wireless charging pad.
- 2. Magetic connectors between modules.
- 3. Customizable grooves for pens, sticky notes, and other small items.
- 4. Non-slip padding at the bottom.

Test (15 min)

Type something

I GAVE THE PROTOTYPE TO 20 USERS FOR TESTING. THESE ARE THE THINGS I LEARNED THROUGH THEM :

- 1. **CHARGING SPEED** : 90% were happy with the faster charging speed.
- 2. **MAGNETIC CONNECTORS** : Users loved how the modules stayed in place .
- 3. **NON-SLIP PADDING** : Helped prevent the orrganizer from sliding , even on smooth surfaces.
- 4. **FEEDBACK** : Some users suggested adding cable management to keep wires organized for non-wireless gadgets

