

KOREA ENGINEERING UNIVERSITY

GROUP Information

Project Name : Smart Carrier
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“smart carrier”

Smart Carrier

It's easy for people to access it, Use what people are used to. It's often used in people's real-life lives, and it's used in familiar functions

Product



Technical Specification

- Fingerprint recognition
fingerprint sensor for unlock the carrier can memorize the most 100 fingerprint
- show the weight of carrier with Loadcell sensor
loadcell support a weight 30kg put at the lowest point of the carrier
- Application follow your carrier
GPS Ublox NEO6MV2 send the coordinate and show the map on application

Comparison with Other Services

Other carrier or simple carrier have a duty just put the purveyance but this carrier help user about security more than simple carrier

Design Specialty

- Placing the sensors at the appropriate location was a big issue, as we wanted to make it as convenient as possible for the user.
- Due to the load sensor being at the center, gravity may pull most of the luggage down, hence **we decide to put the load sensor at the lowest point, near the wheels, instead of the center, in order to effectively measure the mass.**
- We had an issue regarding bad signal which our GPS module is unable to track itself, **we solved it by going outside of the hotel which successfully tracked the position of the module.**