Knobs Parameters

① Firstly battery estimate would be
→ 70% of the test run time.
↳ or use M2 to study avg lifesp. of 2 years & then decide

② Time for charging → 0.8 (To be found out eff) [x for full charge]
→ I would make you pay more if I think you can pay more.
→ which type of day it is (festival etc.
→ weather forecast accnt.

Part-1

Pricing (Dynamic)
↳ Order time or scheduled time to deliver.
if b/w peak hours then multiple accdg.
→ [Ola Uber's Dynamic Pricing study]

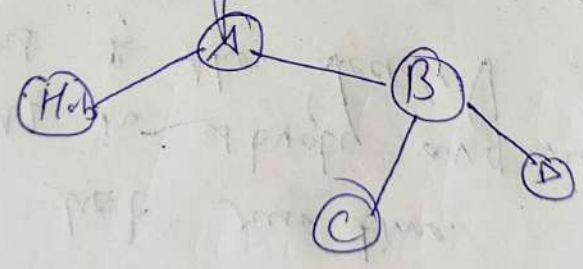
Factors →
→ km
→ ~~Time~~ In gen traffic intensity at that time
→ time of delivery

Scheduled
On-priority
(extra charge) → weight → type for the

An algorithmic bit-bat for helping the items he would deliver
→ their distances
→ max utilisation of storage space
→ दोनों पास → but weights differ extremely in sizes
→ So, a trade off b/w how many trips simultaneously ensuring max space utilisation.

→ ~~Would~~ should hub always be a central point?

What if →



Ab (B) → I got order to deliver at ▷ & anyway I have space left, & ▷ is v' duly close then why not?

→ Multi Pickup & Multi Drop (Obviously including factors on battery, storage space)

→ Optimising the delivery percentage (incentives for driver)
  → (Gone in the order of by day suggested)
  → (Didn't room here & there)

→ How many deliveries / pickups picked?
  ↳ not available or similar excuses.

★ (Minimising overall distance)

→ In house navigation system
  → no need to select one after another

Route planning → distance
→ rider capacity
→ geolocation
→ traffic
→ geospatial context
→ weather.

Clusters → x + y
↓ ↳ estimated space of how much to pickup.
to deliver

enroute → if a parcel gets added | pickup cancelled?

→ Maximize on time delivery & percentage (i.e within scheduled pickup

→ Min distance travelled [includes going to charging station (& all motion)

→ Min wait time (when charging / swapping)

→ Maximizing profit [correct pricing based on diff types of items]

↳ If → a scanner that scans the object while pickup & gives the estimate

→ I know not physically visible

→ so give the range to customer

→ & then at pickup point, tell actual cost.

(including how many we have, volumetric weight + to go distance etc).

Breaking

[Routing accepts & optimization]

EV charging stations, [% of charging at each one or how frequently]

Objective → Broken to simply min kms required.

(~~Min~~ vehicles → just a parameter)

Dynamic locations

[Not possible] ←

[like possible but requires intensive flux of capital]

User

→ Book Parcel Pickup
→ Select a Pickup time Range
→ Select type of product
  ↳ Delicate (Handle with care)
  ↳ { some other
→ Approx Weight
→ Add address & (more eff) [upload location OR]
Show → Price Range

Other features like → Transaction, Wallet integration, Contact,

Driver

→ Log In time | for the day
→ Log out time
→ Vehicle health notifier at all times [in bit pop up] & authomatic did to a certain place in case of mishap
→ Delivery verification
→ Current delivery tracking
→ Call directly to the relevant one after for that delivery
→ Next charging station / how much time to charge
→ In app entertainment for waiting?
→ Next location
→ Gimmicky features like R points / vouchers for late deliveries.

Depo

Vehicle
  ↳ Licenses
  ↳ Contract expiry
  ↳ Battery status
  ↳ Spare Batteries (some other parts)

Package scanning & algorithms
  ↳ Scanner algorithm for weight, height, width, length basically volumetric
  ↳ Allot & decide Route, total packages driver & like.

For actually running level application, robots / picking of correct dimensions / label be required.