E-Waste Collector

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Introduction:
Electronic waste or E-waste is normally disposed in the garbage or given off to the scrap yard. This adds to pollution and the material that could've been recycled is carelessly dumped. To prevent this we are creating an application where the electronic waste can be collected and sent to a recycling plant. Recycling leads to proper treatment of waste for reuse and ensures less pollution. This app will be available for big institutions, offices and also for locals. Collection or drop off points will be provided to ensure proper transfer of the waste.

Features:
1] User:

  a) Institution (College, School, Office)
    -Required pick up date and time.
    -Van/truck will arrive on given day.

  b)Individual
    -Enter waste details.
  -Pick up option.
    -Request to pick up.
    -Van will arrive at given location and time.
    -Pick up will happen only if there are 20+ requests.
    -User gets notification for arrival and departure of van.
  -Drop off option.
    -User gets a list of locations available to drop off the waste.
    -Waste can be dropped off during working hours.

2] Admin:
  -Check number of requests in locality.
  -Check availability of time slots.
  -Provide location list for drop off.
  -Check details of waste and verify.
  -Provide van arrival and departure notification.

Technology:
Flutter will be used to create the mobile application. It provides applications for mobile, web and desktop from a single codebase.