NAZEEF · نظيف

Pilot in a box

A two-week, one-building waste measurement pilot. What to prepare, who does what, and what to write down.

Nazeef is an independent proposal for Capital University (formerly Helwan University). It is not an official partnership and carries no endorsement. The site is in demo state: the DEMO banner stays on until the owner has ticked every item of the release checklist with real tests. Nothing in this kit is a campus result.

1. The plan in one paragraph

Pick one building. Weigh what it throws away for a baseline week, with no change. Then install the sorted collection points with QR stickers, run a short awareness campaign, and weigh again for an intervention week using exactly the same method. The dashboard compares the two phases only when each has at least two measurement days. The result is an indication for one building, not a statistical proof.

2. What goes in the box

- A scale that reads to 0.1 kg (a bathroom scale is enough for bags).
- Labelled bags: five per stream, plus a few spare. Streams: paper and cardboard, plastic and metals, organic, general waste. Hazardous is counted, never weighed by hand.
- Gloves, and a marker.
- QR stickers, printed from the /qr page on the site. One per collection point; scanning opens the report form for that point.
- The three log sheets at the end of this kit (weights, handover, report response), printed.
- A staff sign-in: personal access codes are made in the admin page, Admin accounts tab, by the owner. Each code is shown once.

3. Who does what

Role	Does
Project owner	Receives and triages reports, creates staff accounts, owns the release checklist.
Building owner	Agrees in writing what is measured and who sees it.
Weigher	Weighs each stream, same scale, same time of day, before disposal; writes it on the sheet and enters it.
Crew member	Collects, and records weights from the driver page. Shares GPS only if they agreed to.
Named person on the rota	Answers reports within the agreed time. A form alone does not move waste.

4. Timeline

When	What
Before day 1	Agree scope with the building owner. Create staff accounts. Print QR stickers and sheets. In admin, Release tab, set phase to Baseline. Run one practice weighing so everyone knows the routine.
Days 1 to 7	Baseline. Weigh every stream at the same time each day. Note exams, holidays and weather in the notes field. Do not change anything about the bins or signs.
Day 8	Install the units and QR stickers, run the awareness session, set phase to Intervention.
Days 8 to 14	Intervention. Weigh exactly as in the baseline. Answer reports within the agreed time.
Day 15	Open the dashboard. If each phase has two or more measurement days, the comparison appears. Write down the limits next to it.

5. How to weigh

- Weigh the full bag, then subtract the empty bag weight. Write both numbers.
- Same scale, same time of day, before the waste goes to general disposal.
- Enter each weight in the admin Weights tab or on the driver page, and keep the paper sheet. The audit page (/audit) keeps a private copy in your browser and exports a CSV.
- Weights are typed by a person. Nothing proves the number came from a scale, so the paper sheet matters.

6. Before you start: five checks

These are the five items of the release checklist in the admin Release tab. Only the owner ticks them, and only after the real test. Until all five are ticked the demo banner stays on, and this kit does not tick them for you.

☐ Admin sign-in and report triage tested end to end.

☐ Driver code login and shift tested end to end.

☐ Weights logging tested with a real scale reading.

☐ Real phone GPS tested on campus (admin view).

☐ Campus owner and each driver agreed what is shared and with whom.

7. Privacy

- A driver's real GPS location is private by default. The public map shows a labelled simulation, not tracked vehicles.
- Public sharing of live position is a separate switch in the Release tab. Turn it on only after each driver agreed.
- Reporters are not asked for a name. Photos attached to reports are visible to staff only.

8. What this will and will not show

- It shows recorded kg per day by stream, in one building, over two weeks, with the days and coverage stated.
- It does not show how much was actually recycled or composted. That needs a receipt from the receiving partner; until then, report the sorted share only.
- Exams, holidays and weather change volumes. Two weeks in one building is an indication, not proof, and says nothing about the whole campus.
- There are no sensors, no route optimisation and no scale integration in Nazeef today. The Android app has not been tested on a real phone by the team.

Sheet A. Weight log

Date	Phase (B / I)	Building	Stream	Full bag kg	Empty bag kg	Net kg	Weigher	Note

B = baseline, I = intervention. Keep the paper sheet even after entering the numbers online.

Sheet B. Handover log

Date	Batch / stream	Net kg	Handed to (name)	Receipt or reference	Signature

B = baseline, I = intervention. Keep the paper sheet even after entering the numbers online.

Sheet C. Report response log

Report code (NZ-...)	Received	Status set	By whom	Closed with evidence? (Y / N)	Note

B = baseline, I = intervention. Keep the paper sheet even after entering the numbers online.