The Digital Abbot Global Hackathon — Write Code, and Reason About It

One worldwide open call, two weighted tracks — a coding challenge and an aptitude paper — because the work asks both questions. Anyone, anywhere, sixteen or over; entry is free. The top two participants are offered internships on the teams building our digital-twin platform. Everyone else keeps the cohort, the published problem set and marked feedback.

FORMAT	WHO	THE OFFER	ENTRY
Two weighted tracks coding · aptitude · enter either or both	**Worldwide · 16+** school to professional · solo or teams to four	**Top two → internship** 3–6 months · Bengaluru or remote	**Free · one form** digitalabbot.io/hackathon-registration

DIGITAL COMMUNITY ORGANISING — WHAT A DISTRIBUTED GLOBAL COHORT ACTUALLY DOES

WORLDWIDE OPEN CALL

A recruiting funnel takes applications and gives back a rejection. This is organised the other way round: the contest is the reason people who would never otherwise meet end up in the same room, and the room is meant to outlast the contest.

It runs in every time zone, not one. The aptitude paper opens in three windows so nobody sits it at four in the morning to be fair to somebody else. The coding track runs to a deadline in UTC, published in local time on the registration page, so a participant in Lagos, Lima or Lucknow reads their own clock rather than doing arithmetic.

The problem set is published after the window closes. Every task, every reference solution, every marking note — open, in full, to everyone who entered and everyone who did not. A problem set held back as intellectual property teaches nobody; released, it is a curriculum.

Everyone who enters gets marked feedback, not a rank. A position on a leaderboard tells you nothing you can act on. Per-dimension notes against the same rubric the judges used tell you which part to go and learn. That is the part that costs us time and is the point of doing it.

Regional organisers are named, and the cohort persists. Participants who want to run a local study group, translate a brief or host a sitting in their own city get the material and the credit — the referral field exists so organising work is visible rather than anonymous. Channel, office hours and study groups continue past the results: two people are offered internships, the rest are not thanked and dismissed.

THE TWO TRACKS

TRACK A · CODING — CAN YOU SHIP IT

- **Any language.** Python, TypeScript, C#, Ruby, Java, Go, Rust, C++ — judged on the solution, not the syntax it arrived in.
- **Problems drawn from the real domain**, simplified but not toy: parse a malformed geometry file and refuse it honestly; run a spatial query over a large element set inside a time budget; write an interface that stays correct when its input is garbage.
- **Marked correctness first**, then handling of the ugly edge case, then clarity a reviewer can follow. Fast and wrong scores below slow and right.
- **Held tests you do not see.** Passing the examples is the floor, not the mark.

TRACK B · APTITUDE — CAN YOU REASON ABOUT IT

- **Timed, no code, no calculator beyond arithmetic.** Sat in one of three global windows.
- **Quantitative and spatial reasoning** — read a plan, infer a section, estimate a quantity and say what your estimate assumes.
- **Specification reading**: given a clause, decide what it actually requires versus what it appears to. This is most of the job on a compliance product and almost nobody tests for it.
- **Pattern inference and structured logic** — the reasoning that decides what a drawing means before a line of code is written.

Weighting, indicative and not yet final: for a participant entering both tracks, roughly **60% coding · 40% aptitude** — enough that a strong coder who cannot read a specification does not walk it, and a sharp reasoner who has never shipped anything does not either. Single-track entries are ranked within their own track and are fully eligible for the offer. The confirmed split is published before entries open, and not changed after.

THE OFFER · HOW TO ENTER · WHAT IS NOT YET FIXED

THE OFFER — TOP TWO, INTERNSHIPS IN OUR ACTUAL FIELDS

The top two participants are offered internships — three to six months, Bengaluru or remote, on the work below rather than a training exercise. Terms in writing before anyone accepts. Stipend, duration and terms are set out in the written offer. Wanting one is optional: the form asks, a participant here only for the contest is ranked identically, and a declined offer passes down the ranking.

The fields, named honestly — they are what is in the repository today: generative feasibility studies against a real plot and its regulations; a compliance agent that cites the clause a submission failed; BIM/IFC pipelines turning models into queryable geometry; document extraction over drawings and schedules; geospatial digital twins in a browser.

The stack you would actually touch: `Python`, `TypeScript`, `Ruby` for SketchUp, `C#` for Revit, `React/Next.js`, `three.js/WebGL`, `Cesium`, `IFC/BIM`, `DWG/DXF` parsing — alongside DigitOracle, the in-house AI that does the reading and reasoning inside them.

KEY DATES — ONE DAY, ONE WINDOW, ONE SITTING

GST & IST

Applications close — 25 August 2026, 23:59 GST (01:29 IST on 26 August 2026)

Link & contest day — 28 August 2026 to your registered email. Contest 29 August 2026 — one day, one sitting

Start window — 10:00 GST (11:30 IST) to 15:00 GST (16:30 IST) — 5 hours; begin any time inside it

Paper — 1 hour 30 minutes once begun and the clock does not pause. Start after 13:30 GST (15:00 IST) and you get only the time left

Prize detail — published by 31 August 2026 to every registrant. The platform and the exact coding/aptitude weighting are confirmed before the window opens

HOW TO ENTER

MOBILE-FIRST FORM

SCAN TO REGISTER

REGISTRATION · ON OUR OWN SITE
https://digitalabbot.io/hackathon-registration

One page, built for a phone on a poor connection. No account, no CV upload required, no payment. Every problem with an entry is reported at once rather than one per attempt, and each message says what would be accepted instead.

What the form asks for. Name, email, phone with country code, country and city. Date of birth — sixteen or over on the day you register. What you are doing now, school through professional, and where. Which track, or both. Skills and years coding. Optional links: GitHub, portfolio, LinkedIn, CV. A team name and size if you are not solo, up to four. Whether you want to be considered for the internship, when you would be available, and up to four of the fields above. A short statement of why, forty to twelve hundred characters. How you heard about it, plus a referral code if an organiser gave you one. Consent to the rules and to processing of the entry.

Where it goes. Straight into our own backend — no third-party form service between you and us. Registrations land in the Digital Abbot admin panel, where the organising team reviews, filters and exports them; the only outside service involved is the mail provider that carries your confirmation.

Why both tracks, and why this is community work. A digital-twin platform fails in two ways: software that does not run, and software that runs confidently on a misunderstanding. A coding test catches the first; only asking someone to read a clause and say what it requires catches the second. And we run it as an open worldwide call — published problems, marked feedback, named organisers, a cohort that continues — because the people who can do this work are spread far more evenly across the world than the chances to prove it are.