

KD Penzine — Autonomous Agentic Pipeline Proposal

Issue 2 · Follow-up to the Project Showcase Form Validation Fix (PR) Bug finder & solution
author: ctaxnagomi Environment: Desktop · Windows 11 · Dual-boot with WSL2

1. Summary

This document proposes the **next generation of the KD Penzine system**: not classic API-to-API *automation*, but an **autonomous agentic pipeline** — agents configured through an **Agentic SDK**, coordinating over **DGUI HUB Net (i2i — Individual-to-Individual visualisation)** with remote connection support, running **learning loops on Gradio / HuggingFace**, and ingesting **targeted social feeds** (posts, tweets, threads, keyword feeds) that are compiled into **one Collective Penzine** backed by its own datasets relevant to KrackedDevs activity.

This is Issue 2 of the current batch. Two further issues will follow.

2. Ownership, Privacy & Handover

- Bug finding, the fix, and all solution suggestions are authored by **ctaxnagomi**.
- All work described is **unofficial and experimental**. It is a community-built compilation inspired by the KrackedDevs ecosystem. It is **not** an official KrackedDevs product and is provided **as-is**.
- The datasets are **private** and **gated** — access is granted through **email approval only**. The author has confirmed granted access.
- The entire stack is **handover-ready**: datasets, Spaces, and the pipeline definition can be transferred completely to a KrackedDevs maintainer at any time.

3. What Already Exists Today

Two HuggingFace datasets form the corpus spine of the system:

Dataset	Rows	Fields	Visibility
ctaxnagomi/kd-penzine-pages	89 pages across 8 volumes (Jan–Aug 2026)	volume · page_index · title · markdown · date	Private, gated (email)

Dataset	Rows	Fields	Visibility
ctaxnagomi/kd-penzine-volumes	8 volumes	id · volume · title · date · status · page_count · columns · newspaper_mode	Private, gated (email)

Volume index (Jan–Aug 2026):

#	Title	Pages
1	January 2026 — The Neural Inaugural	11
2	February 2026 — The Neural Spring	11
3	March 2026 — The Build Month	11
4	April 2026 — The Teardown	11
5	May 2026 — The Submission Window	11
6	June 2026 — The Vote	11
7	July 2026 — The Community Volume	12
8	August 2026 — The Voice	11

- **License:** CC-BY-4.0 · **Credit / home:** www.krackeddevs.com
- **Usage:**

```
from datasets import load_dataset

pages = load_dataset("ctaxnagomi/kd-penzine-pages")["train"]

volumes = load_dataset("ctaxnagomi/kd-penzine-volumes")["train"]
```

A **working Penzine sample is already uploaded on the KD official website**. It is not a complete work, but it is **fully functional** — with one exception: the **hand-camera-tracking-motion module** (`.py`) **was intentionally excluded** from the project and is not part of the deployed sample.

4. The Proposal — Autonomous, Not Automation

The distinction matters. *Automation* means scripted API-to-API calls: brittle, fixed, and unaware of context. The proposal here is **agentic** — agents that hold state, reason over targets, and adapt:

Layer	What it is	Role
Agentic SDK config	Agents defined by configuration settings, not hard-coded scripts	Each agent is a configured worker (ingest, classify, compile, publish) that can be re-tuned without rewriting the pipeline

Layer	What it is	Role
DGUI HUB Net (i2i)	Individual-to-Individual visualisation mesh	Lets agents and humans see and hand off work person-to-person, with remote connection capability — not a central factory line
Gradio / HuggingFace	Learning loops + model/data hosting	Inference, fine-tuning loops, and dataset/Spaces hosting for the corpus
Targeted feeds	Posts, tweets, threads, keyword feeds	The raw signal — scoped to KrackedDevs and its orbit, not the whole internet

Output: a single **Collective Penzine** — one merged monthly publication assembled from many individual voices, with **its own datasets** generated from KrackedDevs-relevant activity.

5. Proposed Pipeline: Worker AI + Cron + Gradio (ML) + HuggingFace



Component mapping

Component	Technology	Responsibility
Edge inference	Cloudflare Workers AI	Classify, summarise, de-dupe signals at the edge

Component	Technology	Responsibility
Scheduler	Cron (Workers Cron Triggers)	Trigger daily ingest + end-of-month volume compile
Compute / ML	Gradio (Spaces)	Learning loops, embeddings, topic clustering, evaluation UI
Corpus + hosting	HuggingFace (datasets + Spaces)	Store pages/volumes, host the loop, gate access by email
Coordination	DGUI HUB Net (i2i)	Individual-to-individual review and handover, remote-capable
Agents	Agentic SDK config	Stateful workers that decide what to pull, keep, and compile

6. Pipeline Stages

1. **Ingest (Cron, daily/weekly)** — pull targeted posts, tweets, threads, and keyword feeds matching KrackedDevs topics.
2. **Classify & De-dupe (Workers AI)** — tag, filter noise, and merge duplicates.
3. **Summarise & Cluster (Gradio loop)** — group by theme; produce draft page candidates.
4. **Human/Agent Review (DGUI HUB Net i2i)** — individuals review their own contributions; remote participants can be pulled in.
5. **Compile (end of month, Cron)** — assemble accepted pages into one **Collective Penzine** volume; write a new numbered page set.
6. **Publish & Version (HuggingFace)** — push pages + volumes datasets; increment the volume index; update the site embed.

7. Why This Matters — Benefits

- **Ambassador exposure, multiplied.** Every ambassador post already created now becomes citable, indexable Penzine material. Visibility grows without anyone doing extra work.
- **Scalability without extra workload.** The only ongoing cost is **caching** — the pipeline runs on Cron; humans only step in to approve or curate.
- **One Collective voice from many individuals.** The i2i model keeps individual authorship visible while producing a single unified publication — the best of both.
- **Self-reinforcing dataset.** Each month's signals enrich the dataset, which improves the next month's clustering and drafting — a genuine learning loop, not a one-way scrape.
- **Ecosystem news, systematically captured.** Bounties, builds, essays, and policy news (e.g. Malaysia AI policy) get compiled automatically instead of relying on manual write-ups.
- **Handover-safe.** Everything is private, gated, and transferable — KrackedDevs can adopt the full stack whenever it wants.

- **Long-term feasibility for krackeddevs.com.** A site that autonomously maintains and grows its own editorial corpus, at near-zero marginal effort, is one that stays alive and current — exactly what a "self-sustaining Malaysian builder ecosystem" needs.

8. Worked Example — KD Ambassador Social Monitoring

Input signal (X / Twitter):

@ctaxnagomi — "there's a lot of things to learn here in KD (KrackedDevs) that i didn't know about in AI spaces in general, dont forget next week to tune in on AI Builder School at xSollaAcademy"

alt-text: [included]

Extracted keywords: AI · KD · KrackedDevs · xSolla

What the pipeline does with it:

Stage	Action	Result
Ingest	Keyword match on AI , KD , KrackedDevs , xSolla	Post captured into the signal store
Classify	Tag as Ambassador · AI Builder School · xSolla	Filed under the month's "ecosystem news"
Summarise	Reduce to a one-line entry	"Ambassador flags upcoming AI Builder School at xSollaAcademy"
Compile	Roll into the volume	Appears in the Collective Penzine's events section
Expose	Emit to HF dataset + site feed	Ambassador and xSollaAcademy both get cited reach

Effect: the ambassador gets exposure, xSollaAcademy gets reach, KD gets fresh corpus — and **nobody did additional work** beyond what they already posted. The system's only cost is caching.

9. Ambassador Social Media Registry

A companion file — `kd-ambassador-social-media.csv` — lists KD ambassadors and the platforms on which they are active, so the pipeline knows exactly where to look. Known handles are pre-filled; unconfirmed ones are marked for the maintainer to complete.

Current roster (from the official KD Ambassadors page):

Ambassador	Track	Base	KD Profile
adib	Campus Ambassador	Sabah	adibM04
NUR AMIRAH MOHD KAMIL	Partnership Scout	—	strdst7
Adri 'C-Fu' Idzwan Mansor	Community Host	KL	adri_mcmc
St Nur Afiqah	Content Ambassador	KL	Kittendusty
Aniq Zharfann	Technical Facilitator	Segamat, Johor	aniqzr344_0d53
Syazwan Syafiq	Technical Facilitator	Damansara	syaz24
DURGA DEWI	Community Host	Puchong	durga_0024
ctaxnagomi	Technical Facilitator	Sarawak	ctaxnagomi
Ilham Kassim	Technical Facilitator	—	IlhamKassim
Muhammad Adief Al Syarif bin Abdullah	Campus Ambassador	UTM	adfsyrf_
wandzff	Community Host	Ampang	userzaf_

10. Links & Access

Resource	URL	Status
Penzine pages dataset	https://huggingface.co/datasets/ctaxnagomi/kd-penzine-pages	Private, gated (email) — access granted
Penzine volumes dataset	https://huggingface.co/datasets/ctaxnagomi/kd-penzine-volumes	Private, gated (email) — access granted
Penzine (master)	https://master.kd-penzine.pages.dev/	Slightly broken — link issues
Penzine (stable)	https://kd-penzine.pages.dev/	Working — use this for the Penzine picture
Repo	https://github.com/ctaxnagomi/KD-PENZINE	Source (megazine, 3D page-flip, volume mgmt)
KD Showcase entry	krackeddevs.com/showcase/project/36db7855-...	Published

The **master** deployment has link issues; the **stable** deployment is the one to preview for the Penzine visual. The hand-tracking motion `.py` is excluded from both.

11. Environment

- **Desktop · Windows 11 · Dual-boot with WSL2**
 - Browser: Chrome DevTools (Windows side) for the original bug capture
 - Development targets: Cloudflare Workers / Workers AI, HuggingFace, Gradio
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12. Next

Issue 2 of 3. **Two further issues to follow.** Starting on the next issue.