MCP SERVER | NO CODE | CLOUD HOSTED

Community Class Planner MCP

Keep your educational programs profitable and organized.

Community Class Planner MCP handles the math and logistics for your educational workshops and courses. It lets your AI client calculate profit margins, find your break-even enrollment numbers, check venue capacity, and estimate material costs. Instead of manual spreadsheets, you just tell your agent the class details and get instant financial and operational answers.

A+ Quality Score 100/100

enrollment | budgeting | planning | profit-loss | capacity

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vinkius.com/en/ai-agent-connect/community-class-planner

SCAN TO VIEW

The connectivity layer between AI and the world's software.

Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

Your AI Connections Run Through Vinkius Cloud

The world's largest managed MCP catalog

Vinkius is the connectivity layer where AI connects to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

> *The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.*
>
> — Architecture principle

Four Pillars of the Vinkius Runtime

01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

AES-256	Ed25519	24h TTL	V8 Isolate
Encryption at rest	PKI vault signatures	Ephemeral session keys	Sandboxed execution

One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT

```
https://edge.vinkius.com/{token}/mcp
```

Claude · Cursor · VS Code · Windsurf · Grok · Gemini

Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

06 — Honeytoken Trap System

Phantom credentials are injected into isolated environments. If a honeytoken is used outside Vinkius infrastructure, the server is quarantined instantly.

Emergency Kill Switch

EU AI Act Art. 14(1) Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

Control Plane

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Incident Log

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

> Get started at **cloud.vinkius.com** — connect your AI agent in under 60 seconds.

Community Class Planner MCP

4 tools available
Cloud-hosted on Vinkius

Running community classes involves a lot of moving parts that can quickly eat into your margins. You have to balance instructor fees, room rentals, and material costs against student enrollment. This MCP gives your AI client the specific tools needed to manage those variables without you having to build custom spreadsheets every time you launch a new course.

You can use it to run quick financial checks before you even announce a class. If you aren't sure if a $40 price point is viable, your agent can run the numbers to see how many students you actually need to cover your overhead. It also helps prevent logistical headaches by checking if your planned enrollment fits within your venue's limits. It's a practical way to ensure your community programs stay financially stable and operationally sound.

Core Capabilities

01 — Profit Modeling

Your agent calculates net profit based on your specific fee and expense inputs.

02 — Break-even Analysis

The AI determines the minimum enrollment needed to avoid a financial loss.

03 — Capacity Verification

Your agent checks if your student list exceeds the physical limits of your venue.

04 — Supply Budgeting

The tool estimates how much you will spend on materials for your entire group.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/en/ai-agent-connect/community-class-planner** — connect your AI agent in three steps.

01 Connect your preferred AI client to the Vinkius hosted MCP.

02 Provide your class details like fees, instructor costs, and venue rent to your agent.

03 Ask the agent to calculate profits or find the break-even point.

04 Receive immediate, accurate financial and logistical answers.

You connect the MCP to your AI client and start asking questions about your class data.

Built For

This MCP is built for people running local workshops, community centers, or independent educational series.

Program Coordinators

They hand off enrollment numbers and venue costs to the AI to check program viability.

Workshop Instructors

They use the tool to figure out if their class pricing covers their own fees and supplies.

Community Center Managers

They use it to ensure different scheduled classes don't exceed room capacities.

What Changes When You Connect

01 Eliminates manual math for class profitability.

02 Prevents overbooking by validating venue limits.

03 Provides clear enrollment targets through break-even calculations.

04 Standardizes how you estimate material costs across different courses.

Real-World Applications

Pricing a New Course

Decide on a tuition rate by seeing how it affects your total profit and break-even point.

Venue Planning

Check if a large group of students can actually fit in your booked community room.

Budgeting for Supplies

Get a quick estimate of material costs before you go out to buy supplies for a class.

Financial Risk Assessment

Run numbers on a high-cost workshop to see if the risk of low enrollment is too high.

Patterns to Avoid

Guessing enrollment targets

AVOID

You announce a class with a $50 fee and hope for the best without knowing if you'll actually make money.

✓ INSTEAD

Use `determine_breakeven_point` first to find the exact number of students you need to cover your costs.

Ignoring venue limits

AVOID

You sign up 40 students for a workshop in a small community room that only fits 25 people.

✓ INSTEAD

Run `validate_class_capacity` to ensure your planned student count doesn't exceed your physical space or instructor constraints.

Underestimating supply costs

AVOID

You set a class price based on instructor fees but forget to account for the cost of materials for every student.

✓ INSTEAD

Use `get_material_budget` to get a realistic estimate of what you'll spend on supplies before you finalize your pricing.

The Right Fit

Connect this MCP if you manage recurring workshops, local classes, or educational series where margins matter. If you run large-scale corporate training with fixed budgets and dedicated accounting software, you probably don't need this. The deciding factor is whether you need to quickly run financial scenarios for individual course launches.

Community Class Planner MCP Tools

These tools handle the math for your class logistics, from calculating profit margins to checking if your venue can actually hold your students.

#	TOOL	DESCRIPTION
01	`get_material_budget`	This tool calculates the total cost of supplies needed for your students. It helps you estimate your material budget based on enrollment numbers.
02	`calculate_class_financials`	This tool computes the expected profit or loss for a specific class. It factors in student fees, instructor pay, and venue costs.
03	`determine_breakeven_point`	This tool finds the exact number of students required to cover all your expenses. Use it to set realistic enrollment goals.
04	`validate_class_capacity`	This tool checks if your planned student count fits within your venue or instructor constraints. It prevents overbooking your space.

See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

U What is the expected profit for a class with 20 students at $50 each, an instructor fee of $200, room rental of $150, and $10 material cost per student?

The expected net profit for this class is $550.

U How many students do I need to enroll to break even if the class price is $40, instructor fee is $100, room rental is $100, and material cost is $15 per student?

You need to enroll 7 students to break even.

U Is an enrollment of 35 students okay for a room with a capacity of 30?

No, the enrollment exceeds the maximum room capacity.

Frequently Asked Questions

01 **How do I use this MCP with my AI client?**

You connect once through the Vinkius interface. After that, any MCP-compatible client like Claude or Cursor can use the tools directly.

02 **Can this MCP help me set my class prices?**

Yes. You can use the financial tools to see how different price points change your profit and how many students you need to break even.

03 **Does it handle venue constraints?**

Yes. The validate_class_capacity tool allows your agent to check if your enrollment numbers are compatible with your venue's limits.

04 **Do I need to host this myself?**

No. Vinkius hosts and manages the MCP for you, so it is ready to use immediately after connection.

05 **What kind of data do I need to provide?**

You'll typically provide student fees, instructor costs, room rental fees, and material costs per student.

06 **How can I check if my class is profitable?**

You can use the `calculate_class_financials` tool by providing the class price, enrollment count, instructor fees, room rental, and material costs per student.

07 **How do I know how many students I need to cover my costs?**

Use the `determine_breakeven_point` tool. It calculates the required enrollment based on your fixed costs and the margin per student.

08 **Can I verify if my venue can accommodate the students?**

Yes, the `validate_class_capacity` tool checks your enrollment against both room capacity and instructor-to-student ratios.

Go Live in 60 Seconds

Get your connection token from **cloud.vinkius.com**, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

```
https://edge.vinkius.com/[TOKEN]/mcp
```

CLIENT	WHERE TO CONFIGURE
Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add `"community-class-planner": { "url": "…" }`
Windsurf	MCP Settings → `mcp_settings.json` → Add endpoint URL
ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
Gemini	Extensions → Add MCP Server → Paste endpoint URL

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

- Ask ChatGPT
- Ask Claude
- Ask Perplexity
- Ask Gemini
- Ask Grok

READY TO CONNECT

Community Class Planner is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and start building. No SDK. No deployment. Just results.

Start at cloud.vinkius.com →

vinkius.com · support@vinkius.com

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DOCUMENT INFORMATION

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Platform	Vinkius Cloud for AI Agents
Endpoint	`https://edge.vinkius.com/{token}/mcp`

LICENSE & USAGE

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