

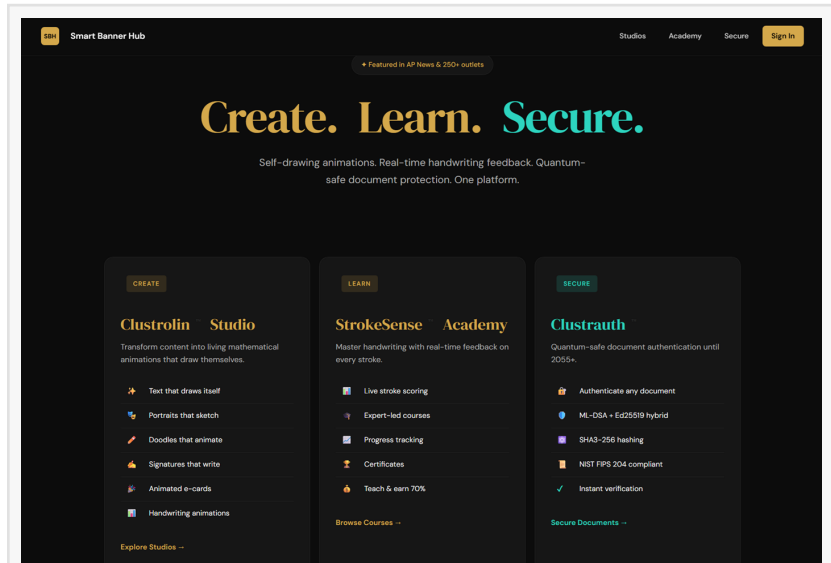
Smart Banner Hub Launches StrokeSense Academy: World's First DBSCAN-Powered Learning Platform for Handwriting Education

Revolutionary learning management system (LMS) brings real-time guided practice, precise scoring, and progress tracking to handwriting education and therapy

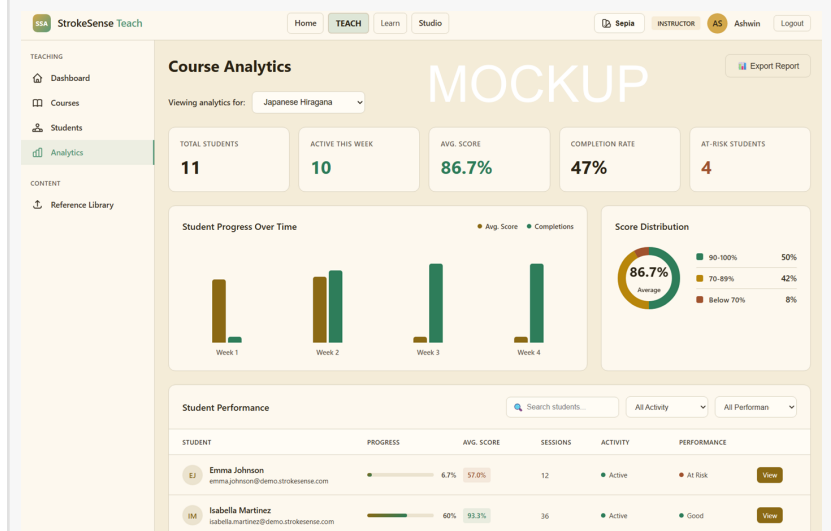
BEAVERTON, OR, UNITED STATES, January 27, 2026 /EINPresswire.com/ -- [Smart Banner Hub](#) LLC today announced the launch of [StrokeSense Academy](#), a complete learning management system that transforms handwriting education through mathematical precision. Built on the same DBSCAN technology that powers StrokeSense Studio—launched earlier this month—the Academy enables teachers, therapists, and educators worldwide to create interactive courses for any writing system with real-time scoring and progress tracking.

StrokeSense Academy is free to join for both teachers and students, with a revenue-sharing model that lets educators monetize their expertise while accessing cutting-edge teaching technology.

"Every writing system on Earth—Latin, Chinese, Arabic, Korean, Japanese, Hindi, Hebrew—follows the same fundamental principle: strokes in sequence," said Ashwin Spencer,



Smart Banner Hub's three pillars: Clustrolin™ Studio for self-drawing animations, StrokeSense™ Academy for handwriting education, and Clustraauth™ for quantum-safe document authentication.



StrokeSense Academy teacher dashboard showing real-time student analytics, progress tracking, and score distribution (mockup with demo data).

Founder and CEO of Smart Banner Hub. "StrokeSense Academy doesn't care what language you're teaching. The mathematics work universally. A calligraphy master in Tokyo and a cursive teacher in Texas use the exact same engine."

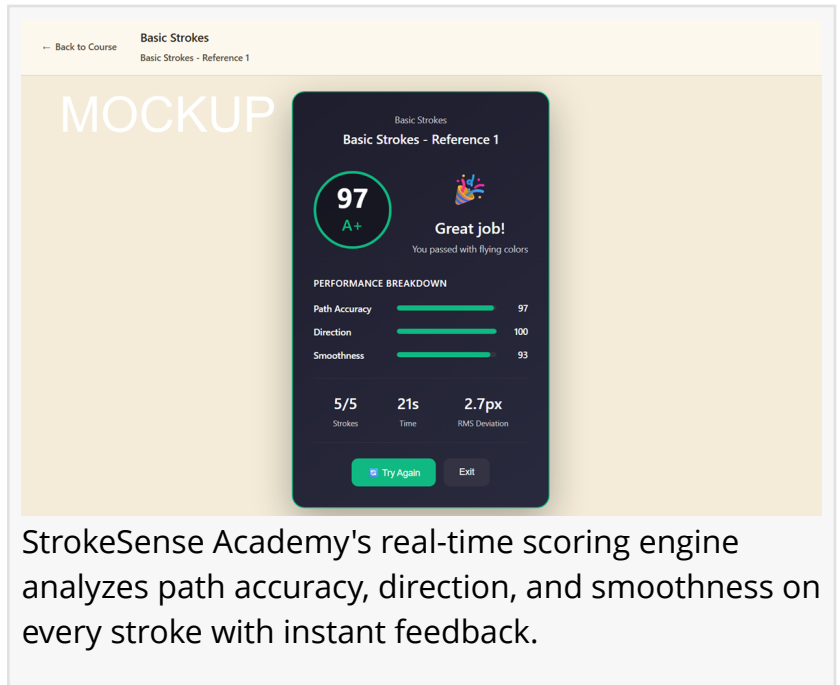
FROM PASSIVE DEMONSTRATION TO ACTIVE LEARNING

StrokeSense Studio captures handwriting and replays it as animated video—valuable for demonstration but passive for learners. StrokeSense Academy transforms that same stroke data into interactive lessons where students actively practice against teacher-recorded references and receive immediate feedback.



StrokeSense Academy doesn't care what language you're teaching. The mathematics work universally. A calligraphy master in Tokyo and a cursive teacher in Texas use the exact same engine."

Ashwin Spencer, Founder & CEO, Smart Banner Hub



The platform's core innovation: real-time guided practice with instant scoring. Students touch a green starting point and follow a moving guide dot showing exactly where to draw next. Drift off-path or stroke in the wrong direction, and visual feedback appears instantly. Complete a stroke correctly, and the score displays immediately.

COMPREHENSIVE LEARNING MANAGEMENT SYSTEM FEATURES

For Teachers and Therapists:

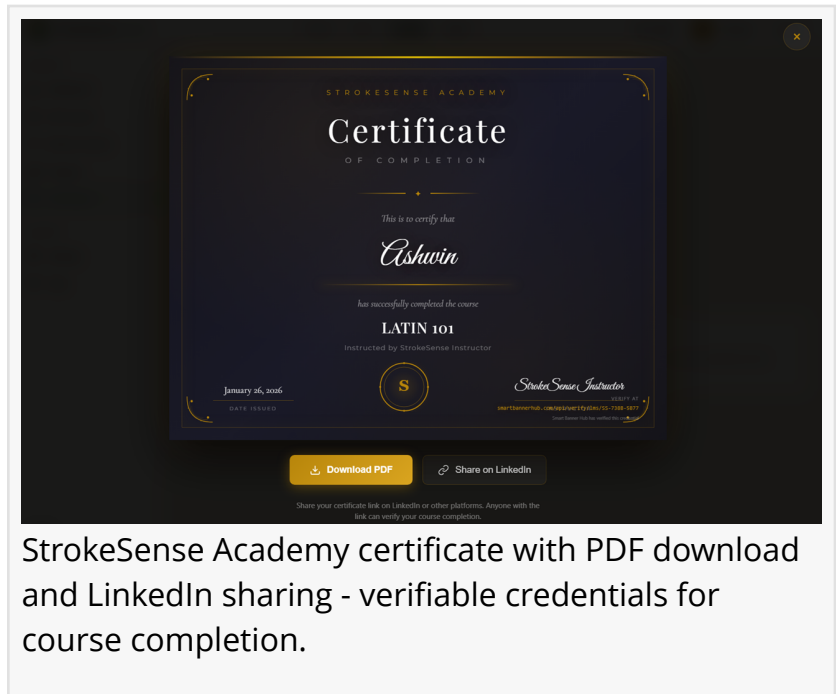
- Record custom stroke references directly—no templates

or pre-built content required

- Organize content into Courses, Modules, and Lessons with configurable prerequisites
- Adjustable tolerance settings from beginner-friendly to calligraphy-strict
- Real-time analytics dashboard showing student progress, completion rates, and score distributions
- Shareable enrollment codes and links for easy class management
- Built-in monetization—set your own course prices

For Students and Patients:

- Ghost path overlay shows the target stroke before drawing
- Moving guide dot provides stroke-by-stroke navigation
- Instant scoring on path accuracy, direction, and smoothness—plus stroke order when practicing freely
- Progress tracking across all enrolled courses
- Adaptive difficulty—heavy guidance for beginners, minimal assistance for advanced learners
- Certificate generation upon course completion



StrokeSense Academy certificate with PDF download and LinkedIn sharing - verifiable credentials for course completion.

Universal Script Support:

Latin alphabet, Chinese hanzi, Japanese hiragana and kanji, Korean hangul, Arabic script, Hindi Devanagari, Hebrew, Thai, and any other stroke-based writing system. Teachers create the content; the DBSCAN engine handles the scoring.

THE SCORING ENGINE: MATHEMATICAL PRECISION MEETS PEDAGOGICAL FLEXIBILITY

StrokeSense Academy uses Smart Banner Hub's proprietary [Clustrolin™ DBSCAN Creative Engine](#) to analyze student strokes in real-time. Unlike black-box systems that can't explain their decisions, StrokeSense Academy uses a deterministic, mathematics-based evaluation engine. The scoring is transparent, consistent, and explainable—given the same input, the engine produces the same score every time. No mystery. No "the algorithm thinks..." Just math.

Three core metrics determine the final score:

- Path Accuracy — How closely the student follows the reference path
- Direction Score — Whether each stroke moves in the proper direction
- Smoothness — The fluidity and steadiness of the stroke

In free practice mode, Stroke Order becomes a fourth metric—testing whether students draw strokes in the correct sequence without guidance. Completion is enforced as a prerequisite but not displayed as a skill metric.

Teachers configure tolerance thresholds to match their pedagogical goals. A children's handwriting course might allow generous deviation for developing motor skills; an advanced brush calligraphy course might require precision within millimeters.

APPLICATIONS ACROSS EDUCATION, THERAPY, AND CULTURAL PRESERVATION

Handwriting Education:

- K-12 cursive instruction (25+ U.S. states now mandate cursive education)
- Kindergarten letter formation and pre-writing skills
- ESL and foreign language programs teaching non-Latin scripts
- Adult learners mastering new writing systems where stroke order is fundamental—Chinese, Japanese, Korean, Arabic, and beyond
- Handwriting improvement for all ages

Occupational Therapy and Rehabilitation:

- Fine motor skills development for children
- Hand-eye coordination training
- Stroke recovery and neurological rehabilitation
- Dysgraphia intervention and support
- Tremor management practice

Specialized Instruction:

- Chinese calligraphy and brush painting
- Japanese shodo instruction
- Arabic calligraphy
- Copperplate and Spencerian penmanship
- Graffiti lettering and hand-lettering arts

Cultural Preservation:

- Indigenous language writing systems
- Historical scripts and paleography
- Endangered alphabet documentation and teaching

FREE PLATFORM, FAIR REVENUE SHARE

StrokeSense Academy operates on a creator-friendly model:

- Free signup for teachers and students—no subscription fees, no upfront costs
- Teachers set their own prices for courses they create
- 70/30 revenue split—teachers keep 70% of course revenue, platform retains 30%

"We built state-of-the-art technology. Teachers bring the expertise and the students," said Spencer. "They should keep the majority of what they earn. StrokeSense Academy succeeds

when teachers succeed."

AVAILABILITY

StrokeSense Academy is available now at smartbannerhub.com/learn

Teachers can create their first course today at no cost.

ABOUT SMART BANNER HUB

Smart Banner Hub LLC, based in Beaverton, Oregon, develops proprietary engines for mathematical creativity: Clustrolin™, the world's first DBSCAN Creative Engine for algorithmic animations, and Clustraith™, a post-quantum document authentication system. The company's studios—Typography Studio Pro, Portrait Studio, Doodle Animation Studio, Signature Studio, StrokeSense Studio, StrokeSense Academy, and Video E-cards—serve creators, educators, therapists, and enterprises worldwide. Featured on AP News, Yahoo Finance, USA TODAY Network, and 250+ media outlets.

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