

Interpretation of semi-structured hand-drawn sketches for the conception of a Pen-Based Intelligent Tutorial System

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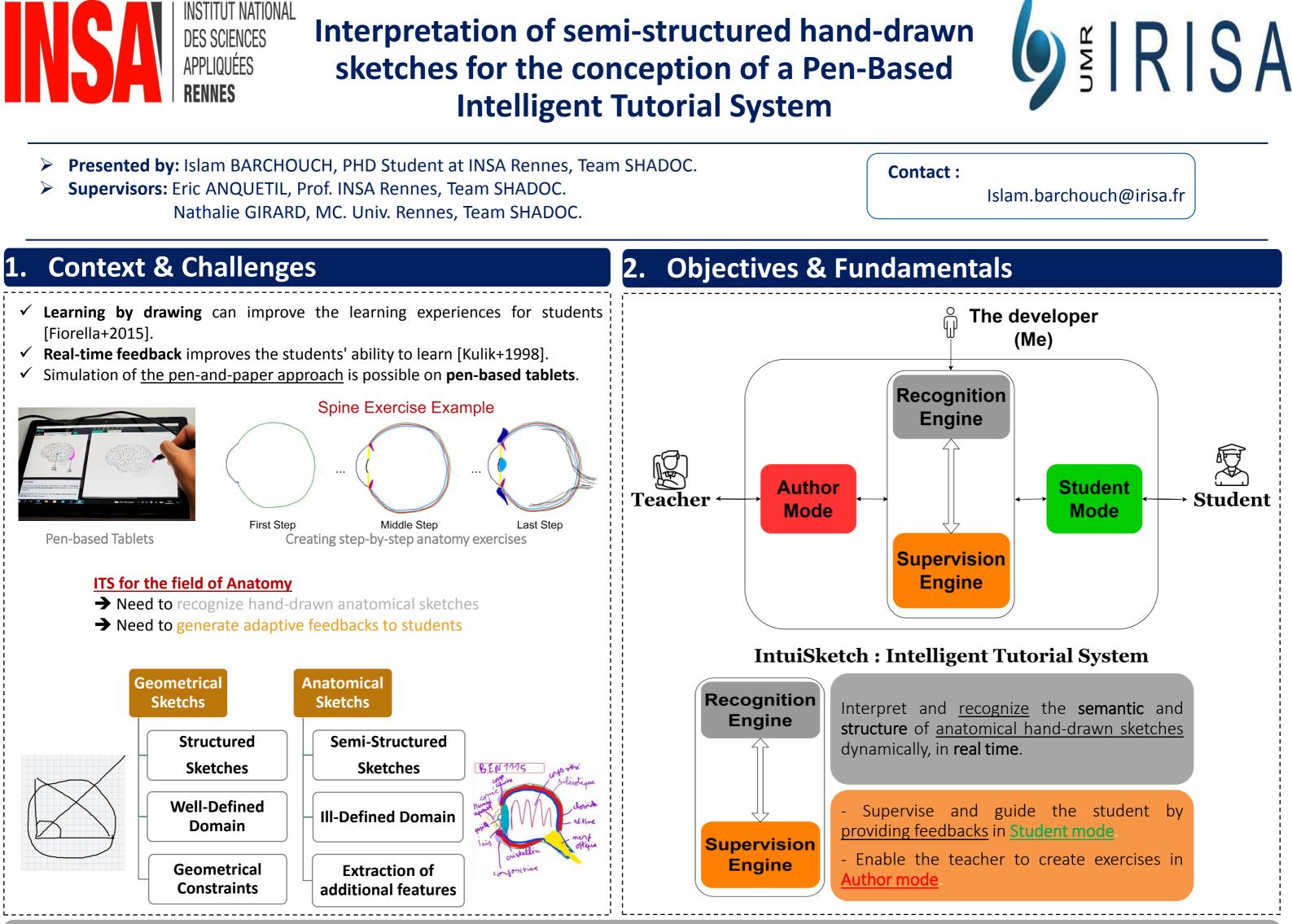
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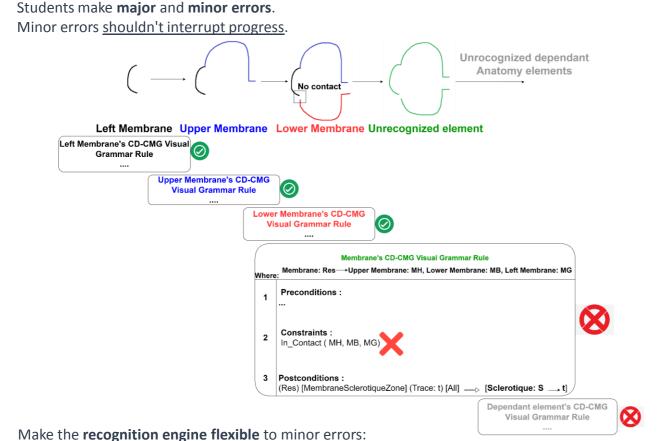
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IntuiSketch's Flexible Recognition Engine

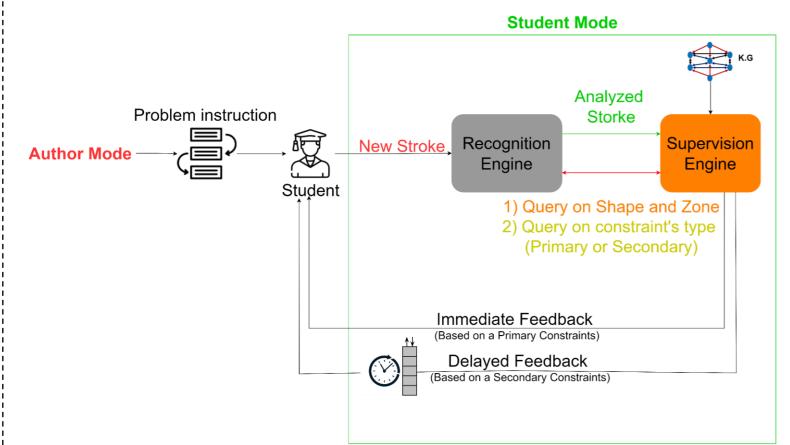


Categorisation into Primary Constraints and Secondary Constraints.

. IntuiSketch's Balanced Supervision Engine

Categorisation into Immediate Feedbacks and Deffered Feedbacks.

Immediate feedbacks : Provided in real-time to correct major errors instantly and related to primary constraints. Delayed feedbacks : Given at key stages to improve overall quality and related to secondary constraints.

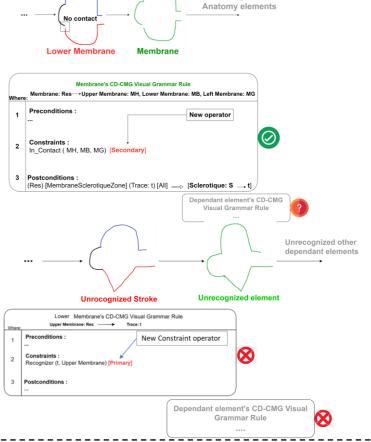


Primary Constraints (PC):

- ✓ **Recognition:** Essential for basic recognition
- ✓ **Feedback:** Immediate feedbacks
- ✓ Learning Impact: Foundational understanding
- ✓ Examples: Shape, positioning, basic geometric constraints
- ✓ Tolerance: Low

Secondary Constraints (SC):

- Recognition: Not Essential (Evaluate detail)
- ✓ Feedback: Delayed qualitative feedbacks
- ✓ Learning Impact: Enhances skills
- ✓ Examples: Fine details constraints
- ✓ Tolerance: High



Other dependan

5. Experimental work (Test Protocol)

