



# SHINE THROUGH

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SHAPING A BRILLIANT FUTURE

2023 ANNUAL MEETING AUG. 16-18, 2023 | CHICAGO



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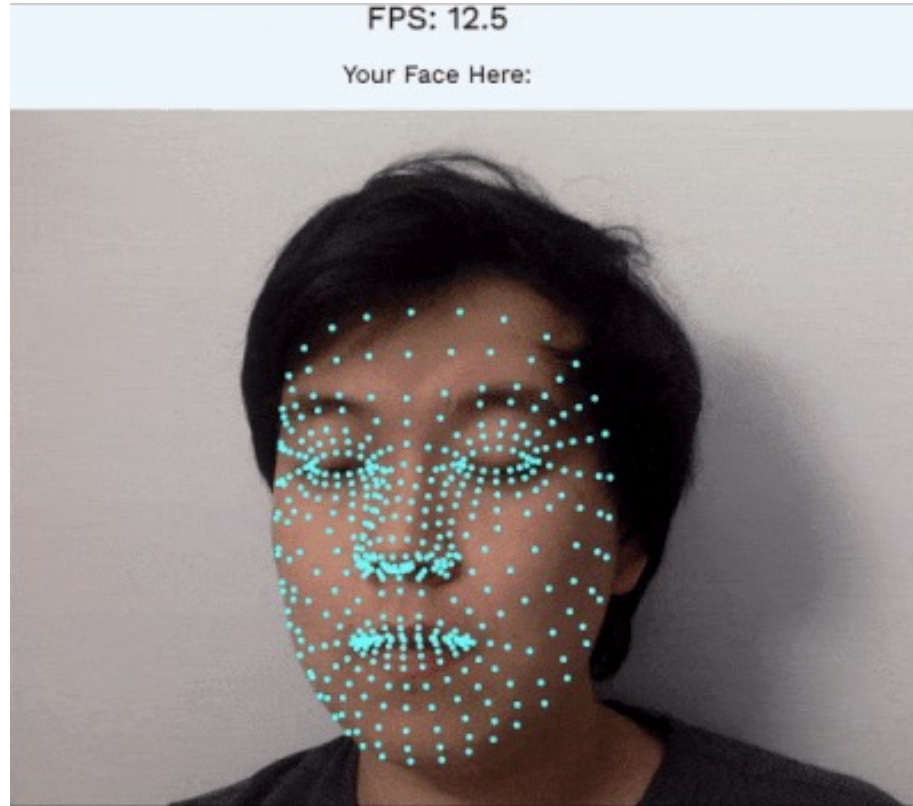
# AI/Remote Proctoring

Crystal Tillman, DNP, RN, CPNP,  
PMHNP-BC, FRE

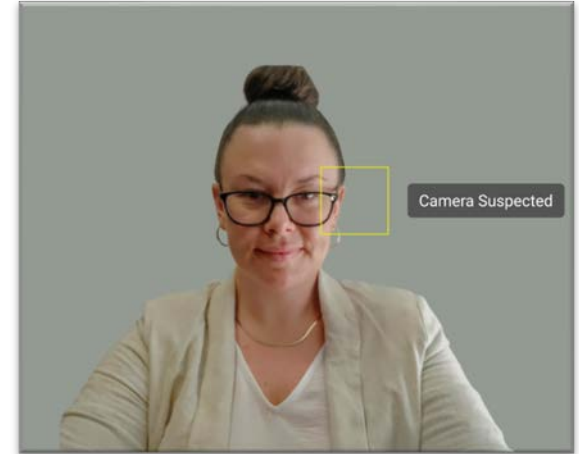
Chief Executive Officer, North Carolina  
Board of Nursing

Phil Dickison, PHD, RN  
COO, NCSBN

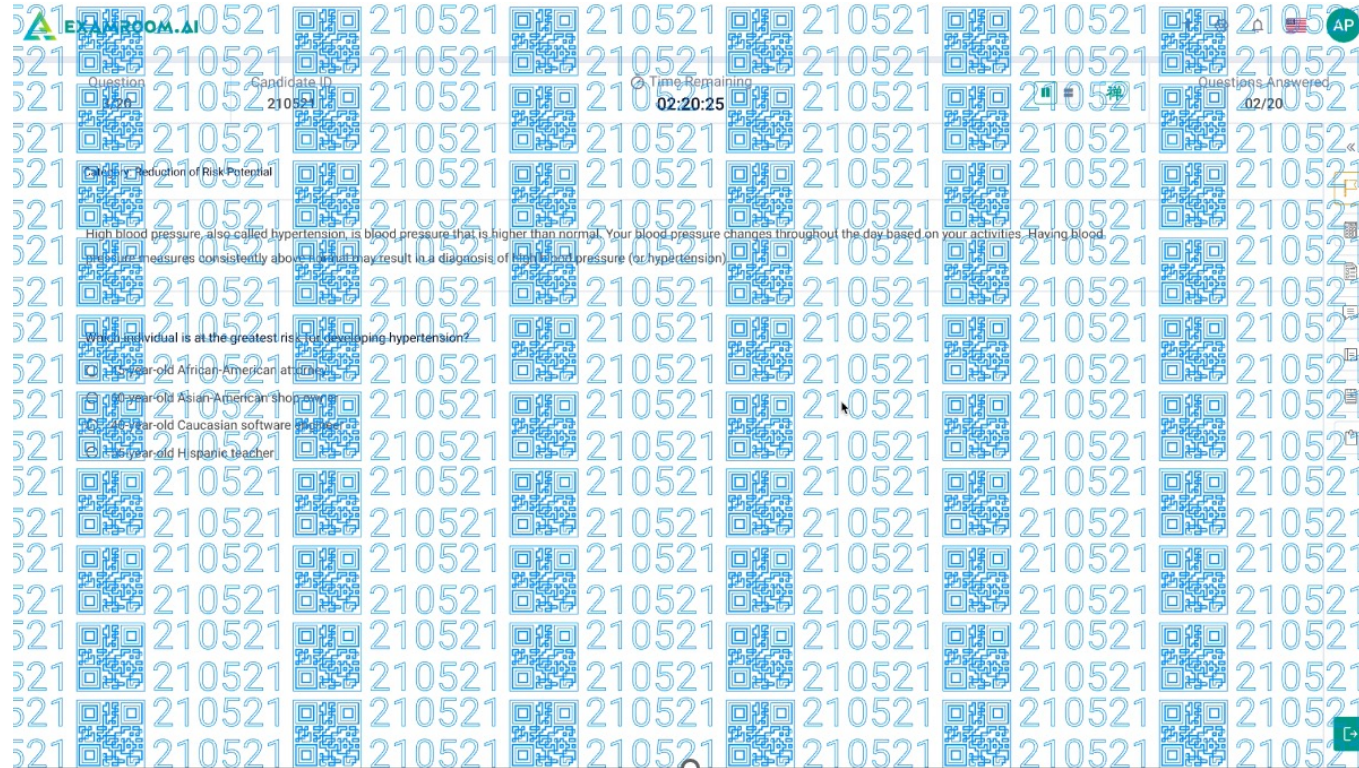
# Recap of Enhanced Proctor Security: Face Mesh



# Recap of Enhanced Proctor Security: Object Detection



# Recap Enhanced Security: Screen Capture

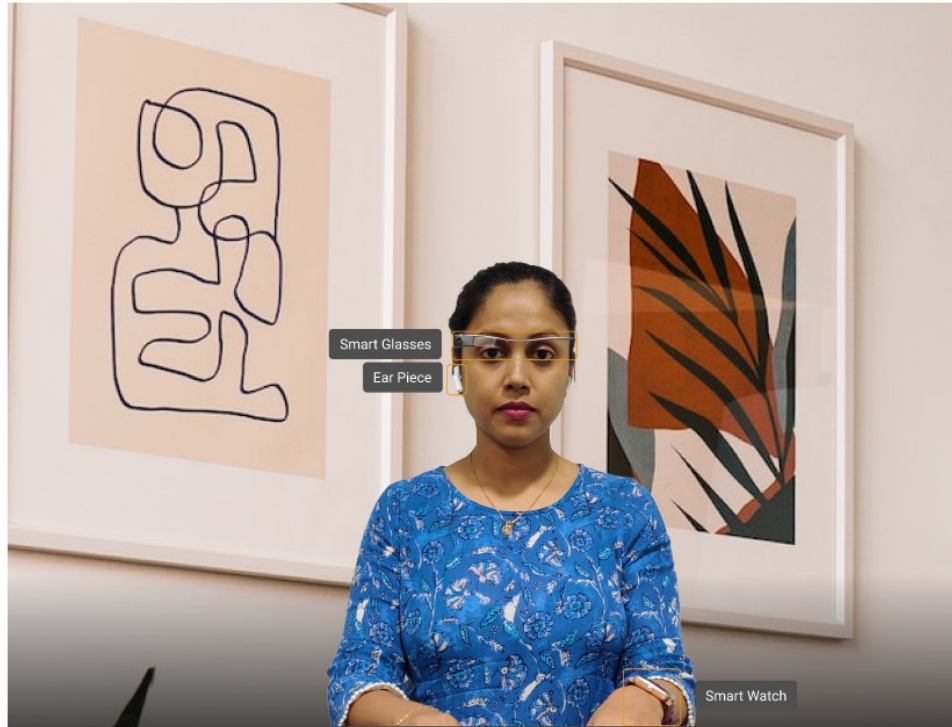


# AI/ML Development post Midyear Meeting 2023



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# Object Detection




Proctor View

Detected Objects		
Smart Glasses Detected	8:00:59	
Laptop Detected	8:00:55	
Mobile Phone Detected	8:00:50	
Smart Watch Detected	8:00:40	
Cup Detected	7:59:50	
Ear Piece Detected	7:59:50	
Head Phone Detected	7:57:30	
Notebook Detected	7:56:30	
Pen Detected Detected	7:55:50	
Calculator Detected	7:55:35	
SunGlass Detected	7:55:30	




# Mouth Opening Detector with Voice Detection

📷 Candidate Stream



The image shows a woman in a blue shirt speaking. A white wireframe mesh is overlaid on her face and neck, used for facial tracking. The background includes a framed picture on the wall, a snake plant, and a kitchen area.

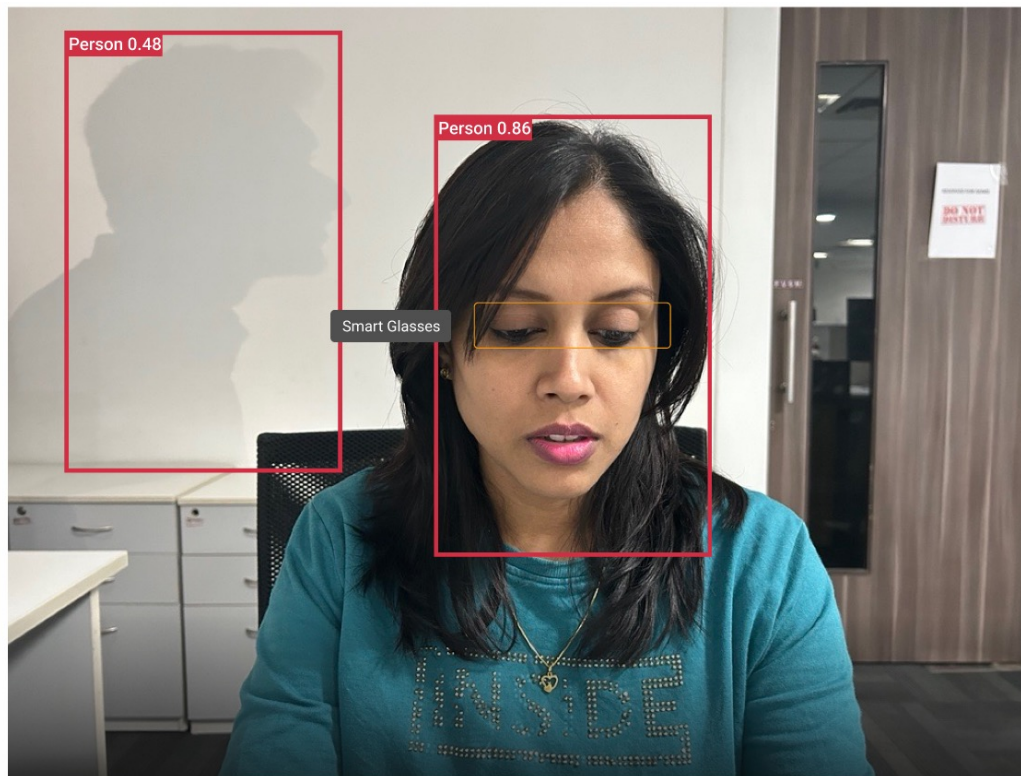
**Detects**

Mouth Opened	8:00:50
Voice Detected ⓘ	8:00:50
“ This question is...”	
Mouth Opened	7:59:50
Mouth Opened	7:59:50
Mouth Opened	7:57:30





# Person Detection

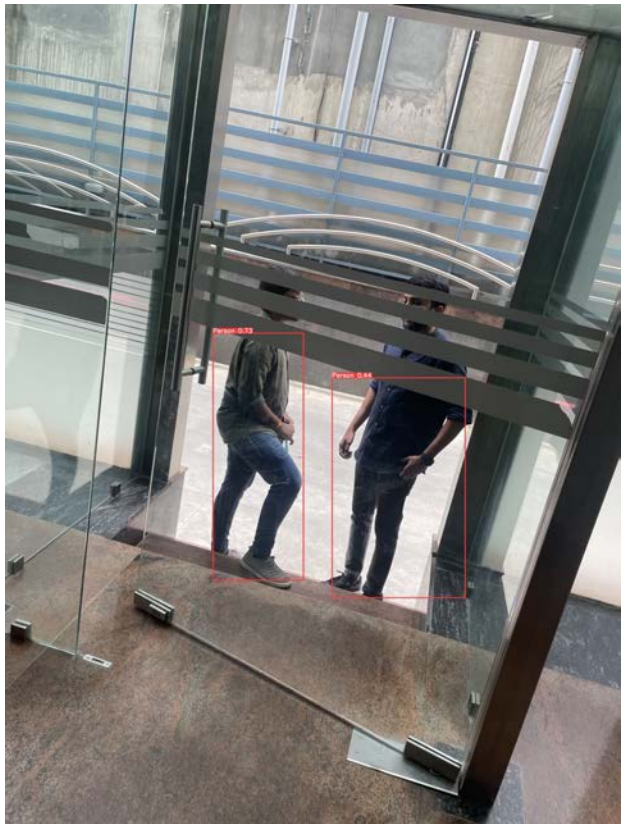


## Detected Objects

Smart Glasses Detected	8:00:59
Laptop Detected	8:00:55
Mobile Phone Detected	8:00:50
Smart Watch Detected	8:00:40
Cup Detected	7:59:50
Ear Piece Detected	7:59:50
Head Phone Detected	7:57:30
Notebook Detected	7:56:30
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Calculator Detected	7:55:35
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# Person Detection



# Person Detection



## Detected Objects

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# Multiple Voices

The screenshot displays the EXAMROOM.AI Proctoring Level 3 interface. At the top, the logo and name 'EXAMROOM.AI PROCTOR LEVEL 3' are visible on the left, and a search bar with the text 'Search anything in Proctoring Console' is in the center. On the right, the status '03:14 Hours / 2 Candidates' is shown, along with a '禅' icon, an 'Active' dropdown menu, and icons for a user profile (JF), a flag, and a bell.

The main video feed is split into two views. The top view shows a front-facing camera of a candidate, Sasi Rekha, with a timer at 45:10:06. The bottom view shows a back-facing camera of the same candidate at a desk with a laptop. In this view, a whiteboard with handwritten notes is visible, with red boxes highlighting the word 'Ribbon' and the word 'Pen'. A 'Text' label is also present near the whiteboard.

On the right side of the interface, there is a 'No. of Voice' section with a red '1' indicator. Below it is a line graph showing 'Organic Voice' levels in dB over a 300-second period. A specific data point is highlighted at 1:30 with a value of 74dB. Below the graph is a 'Magnetic Voice' section with a play button icon and a series of audio waveform icons. A text box below this section contains the message: 'do you need any help, I can help you with this question'. Further down, the following details are listed: 'Language : English', 'Detected Time : 25:08:10', 'How many times : 01', and 'No of voice found : 02'.



# Security Protection and Efficiency



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# Console Development

Item Banking  
Console

CAT Engine

Admin Console

NRB Console

Psychometric  
Console

Candidate  
Console

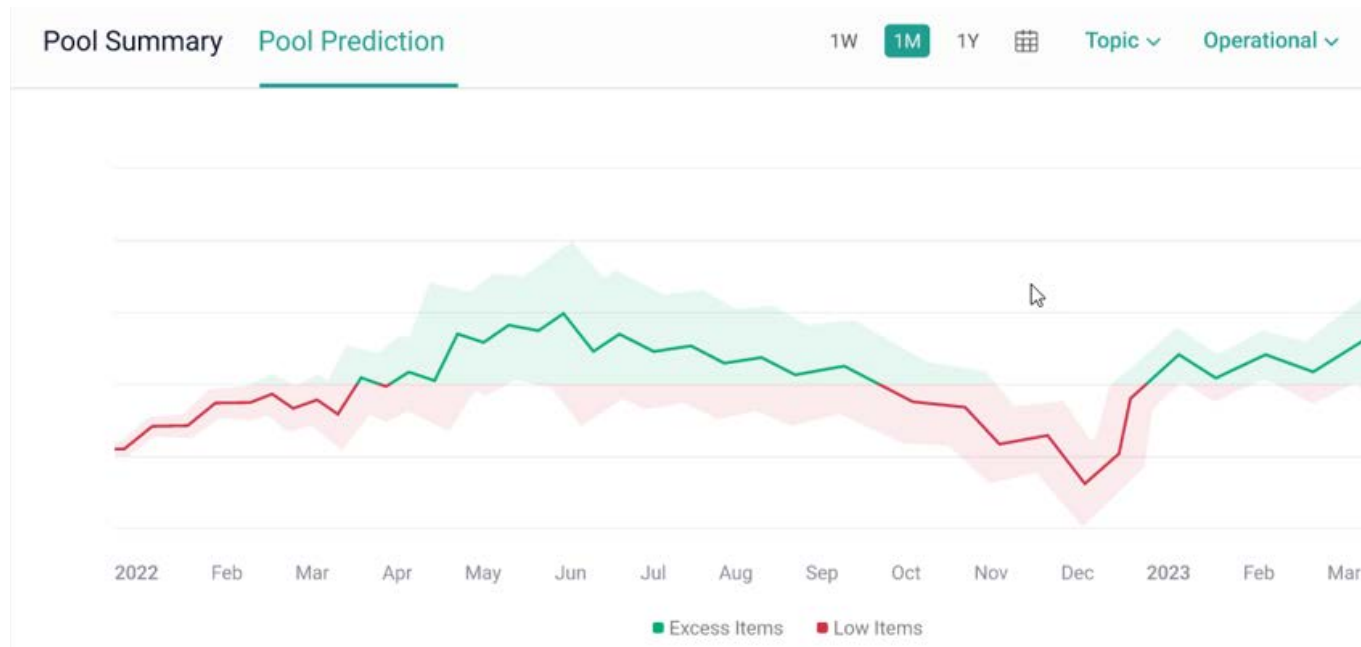
Financial  
Console

Testing Sites  
Console



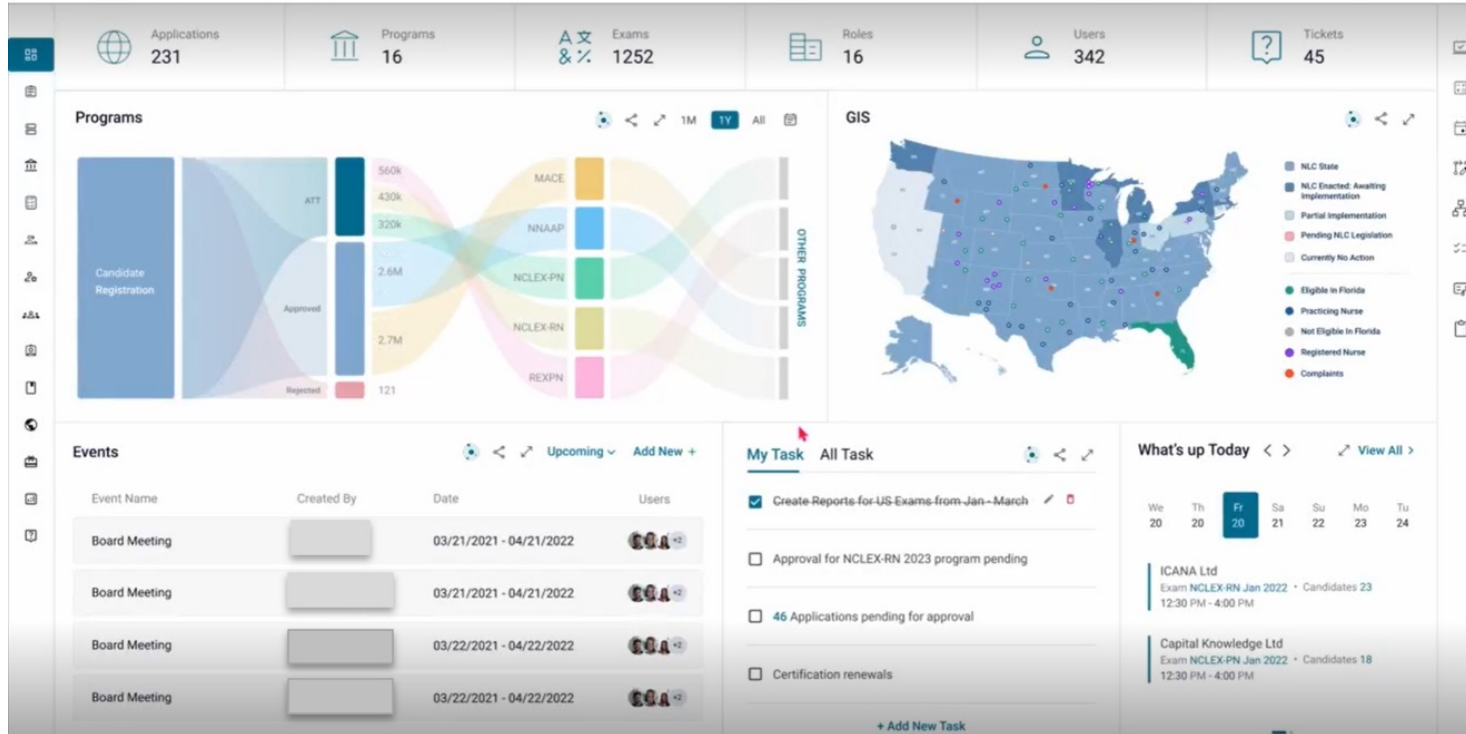
# Item Banking Console: Item Pool Prediction

*Image for  
Demo Purposes  
Only*



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# Nursing Regulatory Body (NRB) Console



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# Candidate Console

Welcome,



[Get started](#)

[View User Journey](#)



# Computerized Adaptive Test (CAT) Engine Development



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# EXAMROOM.AI

ExamRoom.AI is a unified assessment platform, offering web-based remote proctoring, end-to-end testing and blockchain services. Focused on developing and integrating state-of-the-art technology to ensure test integrity.

- **Leveraging AI**
  - Our end-to-end assessment platform is powered by AI and is incorporated in all stages of remote proctoring to detect abhorrent test taking.
  - Our AI models run in near real-time with very high accuracy (>85%).
- **Cloud-agnostic, Tech-agnostic and Database-agnostic**
  - We are the only company to build our assessment platform as a cloud-agnostic, tech-agnostic and database-agnostic solution.





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Q&A



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Thank you