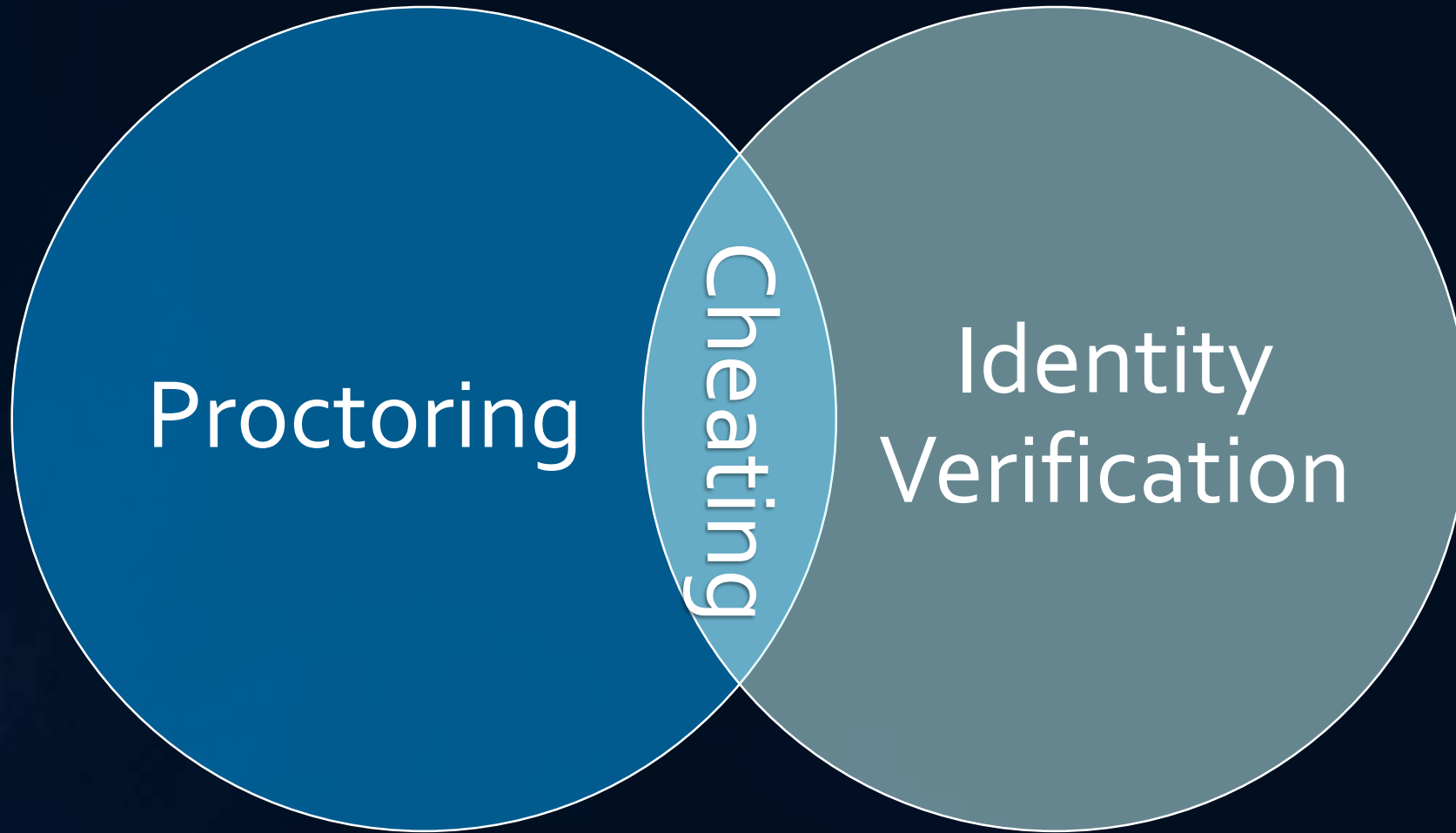


The background is a dark blue gradient with a complex, abstract pattern of curved lines and a grid-like structure that creates a sense of depth and movement, resembling a tunnel or a digital space.

Proctoring & Identity Verification

CHARLES PERKINS & ANGE SULLIVAN



Proctoring

Identity
Verification

Cheating

Monitors
Students

Pre-empts
Intruders

Academic Integrity

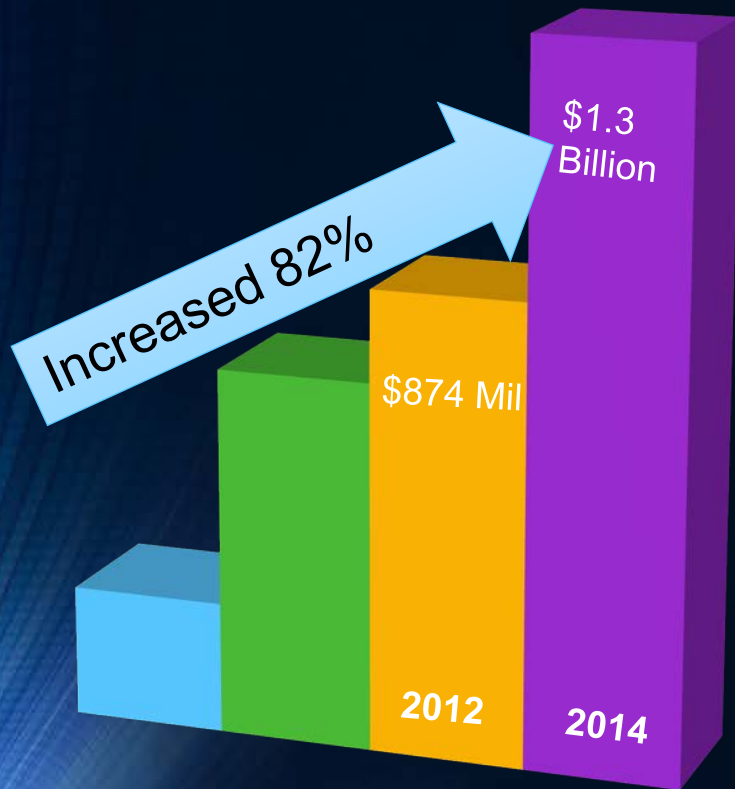
- “I have cheated on an assignment, quiz or test.”
 - 32.1% in face to face live classes
 - 32.7% in online class
- XF grades increasing at Barton
 - 2014: 2
 - 2015: 14
 - 2016: 11

Student Loan Fraud

Rationale

Education Act of 2008 mandates:

“An institution that offers distance education to have processes through which the institution establishes that the student who registers in a distance education course or program is the same student who participates in and completes the program and receives academic credit.” Section 496

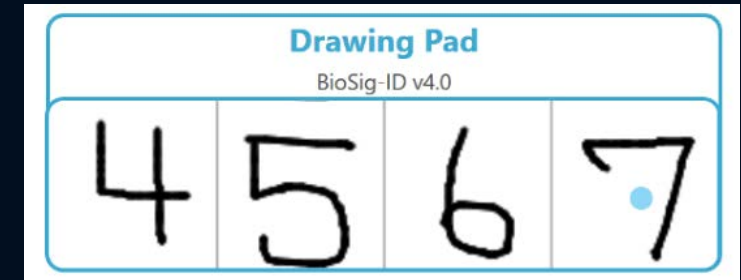


Discussion



- Current solution for proctoring and identity verification
 - ✓ Exam Guard
 - ✓ Panopto
 - ✓ Student login information
 - ✓ TurnItIn
- Committee formation
- Software/Company Reviews
- Approval by Academic Deans and Faculty Council

BioSig



- Biometric technology requiring only a mouse, stylus or touchpad.
- Instructors chose multiple assignments to verify to ensure student authenticity throughout the course.
- Compared to other software
 - Rapid deployment
 - Ease of use for instructors and students
 - Proven to be 99.97% accurate
 - Reporting features – RTEN, SAR
- Approved by reputable companies with high security needs

1. Historical Patterns analyzed.

BSI Custom Detail Report
From: 7/12/2013 To: 7/19/2013
User ID:

User Name	Time	Signature Data	Client IP	Device	Cookie	Refuse	Item	Ass.	App.
...	7/12/2013 1:04:41 AM	...	...	...	...	...	...	...	...
...	7/12/2013 3:28:25 AM	...	...	...	...	...	...	...	...
...	7/12/2013 1:04:41 AM	...	...	...	...	...	...	...	...
...	7/12/2013 4:25:36 AM	...	...	...	...	...	...	...	...
...	7/12/2013 1:04:41 AM	...	...	...	...	...	...	...	...
...	7/12/2013 4:25:36 AM	...	...	...	...	...	...	...	...
...	7/12/2013 1:04:41 AM	...	...	...	...	...	...	...	...
...	7/12/2013 4:25:36 AM	...	...	...	...	...	...	...	...
...	7/12/2013 1:04:41 AM	...	...	...	...	...	...	...	...
...	7/12/2013 4:25:36 AM	...	...	...	...	...	...	...	...

2. Patterns inputted into neural net to discover atypical behaviors.

BSI Suspicious Users

Partners: All
Accounts: All
From: 7/12/2013 12:00:00 AM
To: 7/27/2013 11:59:59 PM

Partners	Accounts	Failed Logins	Lock Count	Reset Count	IPs Blocked	Ass. Method	App. Score
...
...

3. IP'S and ISP's are revealing.



4. Patterns revealed.

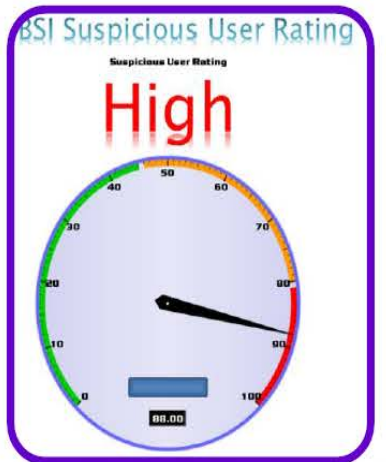
IP Suspicious User: XXX yyy

Here we see user XYZ, log-in from Benton, AR, at 8:58:00 AM and then about 10 hours later at 7:19:25 PM log-in from Harlingen, TX.

Time	Client IP	Device	Cookie	Refuse	Item	Ass.	App.
11/15/2011 8:58:00 AM
11/15/2011 7:19:25 PM
11/24/2011 8:50:00 PM
11/24/2011 8:50:00 PM
3/7/2011 4:50:00 PM
3/7/2011 1:11:28 PM

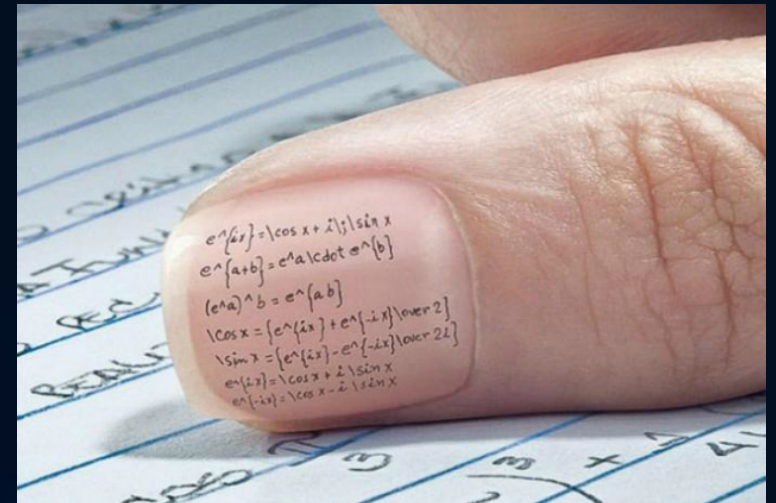
Notice she puts in the wrong last digit.

5. Users are ranked and provided to clients.

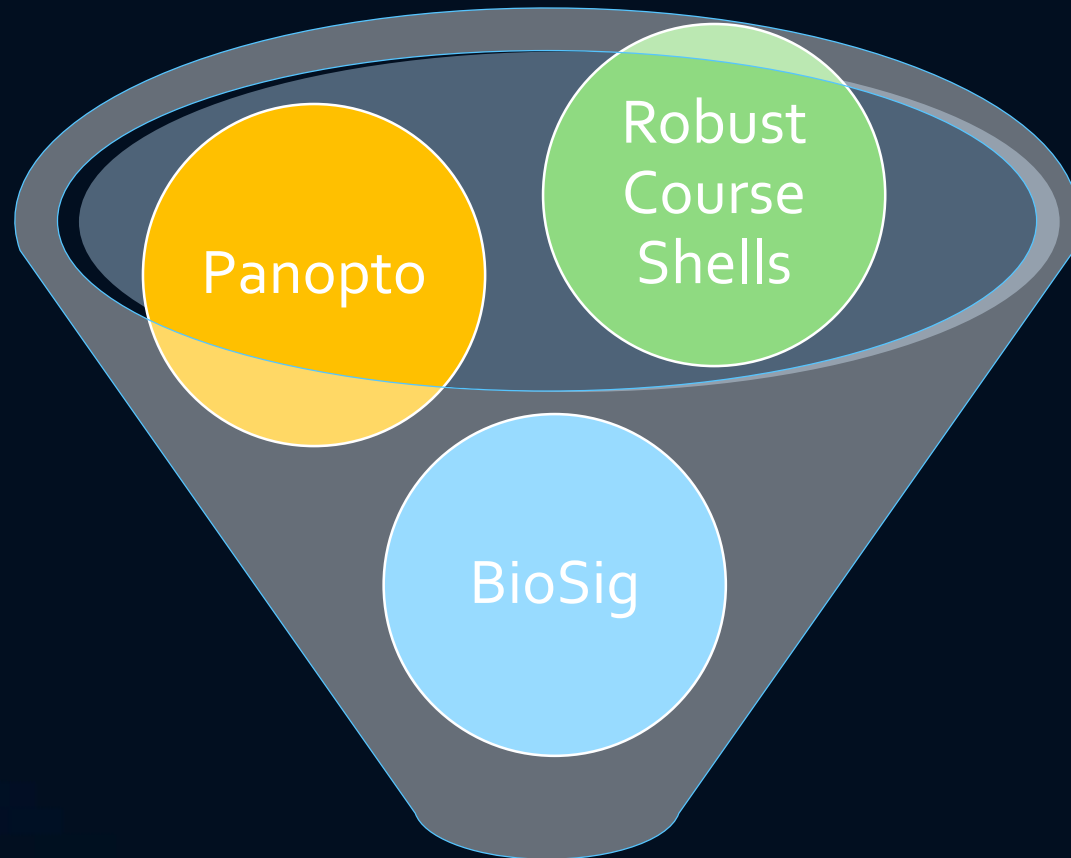


Robust Course Shells

- Question Banks and Pools for Assessments
- Threaded discussions require critical thinking
- Papers requiring multiple drafts and outlines
- Vary assignments by class and year
- Project based applicable learning opportunities
- Use of software and mechanisms to deter cheating
- Improved feedback options in Canvas



Suggested
Proctoring and
Identity
Verification
Proposal



Compliance &
Accreditation