

Student Identification Finger Scanning Process

1. In order to be enrolled in the computer software, the student's finger is scanned by the biometric finger scanner.

1.



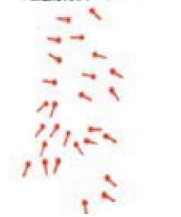
2. The computer software develops a grid of intersection points from the swirls and arcs of the scanned finger.

2.



3. The template is created by the software that shows the intersection of unique points on the finger. The fingerprint image is destroyed.

3.



4. The template is converted to a binary number.

4.



6. When the student returns to be identified, the finger scanner again scans the finger. The computer software now compares the new template (Template A) with the other templates in the database. When a matching template is found (Template B), the student is identified.

5.



Template A



Template B



This identification and matching process takes under one second to complete.

REMEMBER: AT NO TIME IS A FINGERPRINT IMAGE EVER STORED.

NO FINGERPRINTS CAN BE RECREATED FROM THE TEMPLATE!

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