ICT Applications in Library Services
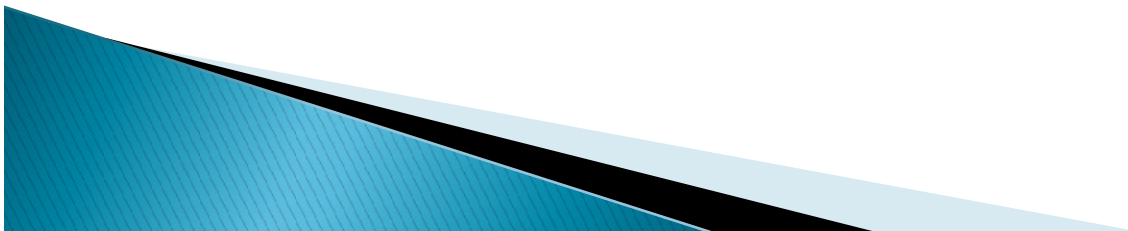
Unit 4
Biometrics Meaning and Definition

Presented By
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Guest faculty,
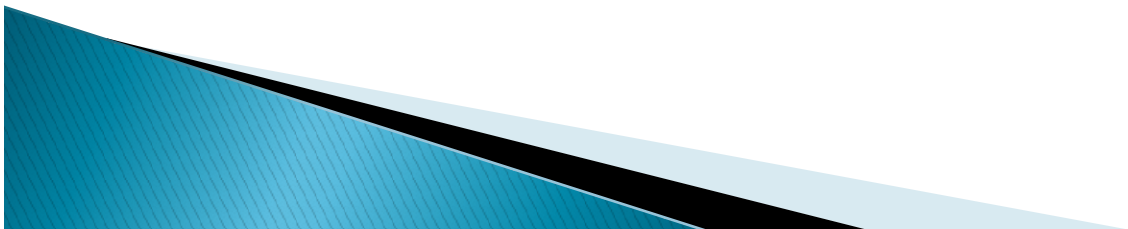Deptt. Of Library and Information Science,
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BIOMETRICS

DEFINITION AND MEANING

- The term biometrics is commonly used today to refer to the authentication of a person by analyzing physical characteristics such a fingerprints, or behavioral characteristics such as signatures.

- Biometrics provide a more reliable system of authentication than ID cards, keys, passwords or other traditional systems.
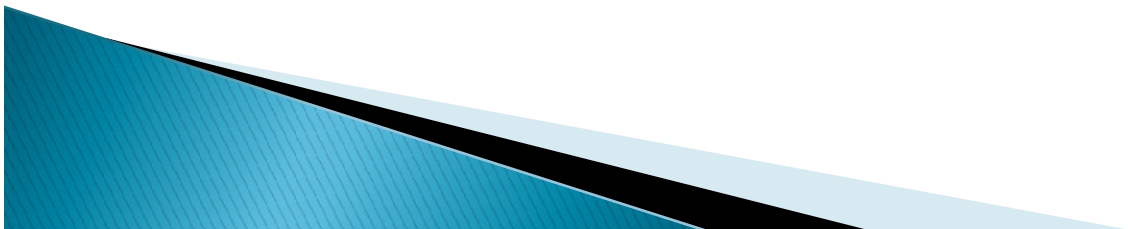
- A biometric is any measurable, robust, distinctive, physical characteristic or personal trait of an individual that can be used to identify or verify the claimed identity.

- Biometric authentication reefers to automated methods of identifying or verifying the identity of a living person in real time based on a physical characteristic or personal trait.

- The word 'biometrics' is derived from the Greek word 'bios' and 'metric' which means life and measurement respectively. This directly translates into life measurement.

- Biometrics is an automated method of identifying a person or verifying the identity of a person based on physiological or behavioral characteristics.

- Examples of physiological characteristics include hand or finger images, facial characteristics and iris recognition.

- Behavioral characteristics are traits that are learned or acquired.

- Dynamic signature verification, speaker verification and keystroke dynamics are examples of behavioral characteristics.

THANKS