Criminal Assessment System

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Introduction

- ❖ Use of Technology while interrogating suspects.
- ❖ Noting Criminal's responses and making conclusions based on it.
- ❖ Noticing verbal and Non verbal communication inputs of criminal.
- ❖ Assisting experts with diagnosing mental illness in criminal suspects.
- ❖ Victim stories of Imdad Ali and Kanizan Bibi.

Targeted Audience and other information

❖ Police and Interrogation teams

❖ Criminals and Suspects

❖ Justice systems

❖ Lawyers

❖ Pre requisites
1) Needs support of profession from psychological field.
2) Sensors
3) Cameras
4) Neural Hardware
5) Display screen and power source

Purpose and Benefits

- ❖ Ensuring fair criminal trials

- ❖ Help in diagnosing mental illness in suspects

- ❖ Decrease load and pressure on investigators

- ❖ Technology based results without biasness

- ❖ High accuracy rate along with detecting very subtle changes too

- ❖ Provides multiple frame of reference and each expression and response is recorded every second.

- ❖ Collection and storing of data that can be used for further reports and research purposes

Psychological Principles

❖ Attitude.

The "Attitude" which basically means evaluating the suspect's behavior, belief and response positively or negatively towards the questions asked.

❖ Persuasion.

Furthermore, we can use different techniques such as providing interrogation questions or statements that can help the interrogator look trustworthy to persuade the suspect in search for truth.

► Fear/emotion.

Liars can feel extra fear from worrying to be discovered than truth-tellers, and according to the "leakage theory," the fear is almost impossible to be repressed.

► **Blood pressure and heart rate increase**.

► **Breathing Rate.**

► **Voice Effect.**

► **Eye Moment.**

fear
① eyebrows raised and pulled together
② raised upper eyelids
③ tensed lower eyelids
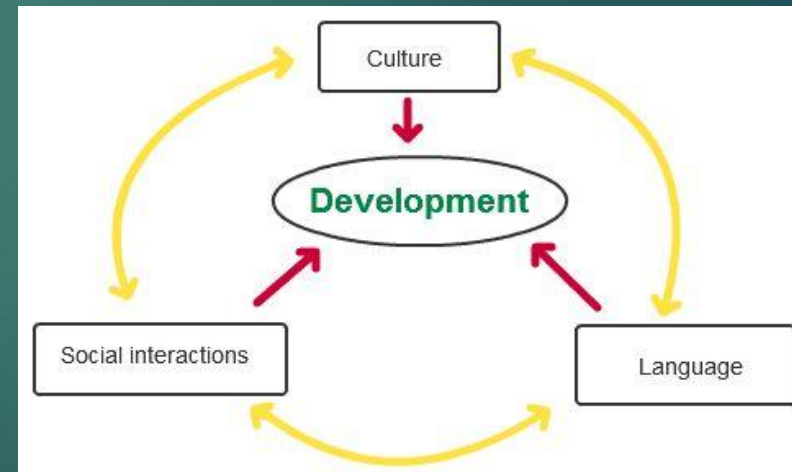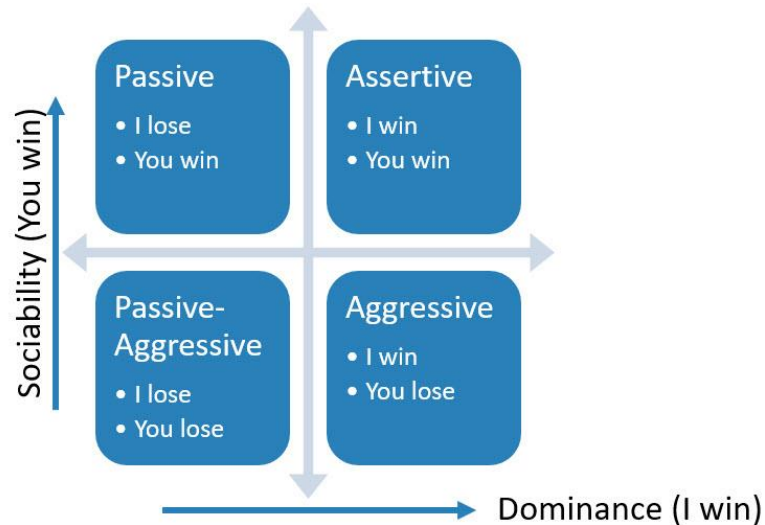④ lips slightly stretched horizontally back to ears

❖ Vygotsky's Social culture and cognitive theory

Investigator should run a background check on the criminal he is assessing using the software as it is linked to the health database.

❖ Communication style

styles of communication will be stored in the database, the responses show the investigator the communication style of the suspect and allow interrogation in the best way possible.

Communication Styles

Passive • I lose • You win	**Assertive** • I win • You win
Passive-Aggressive • I lose • You lose	**Aggressive** • I win • You lose

Sociability (You win)

Dominance (I win)

Culture

Development
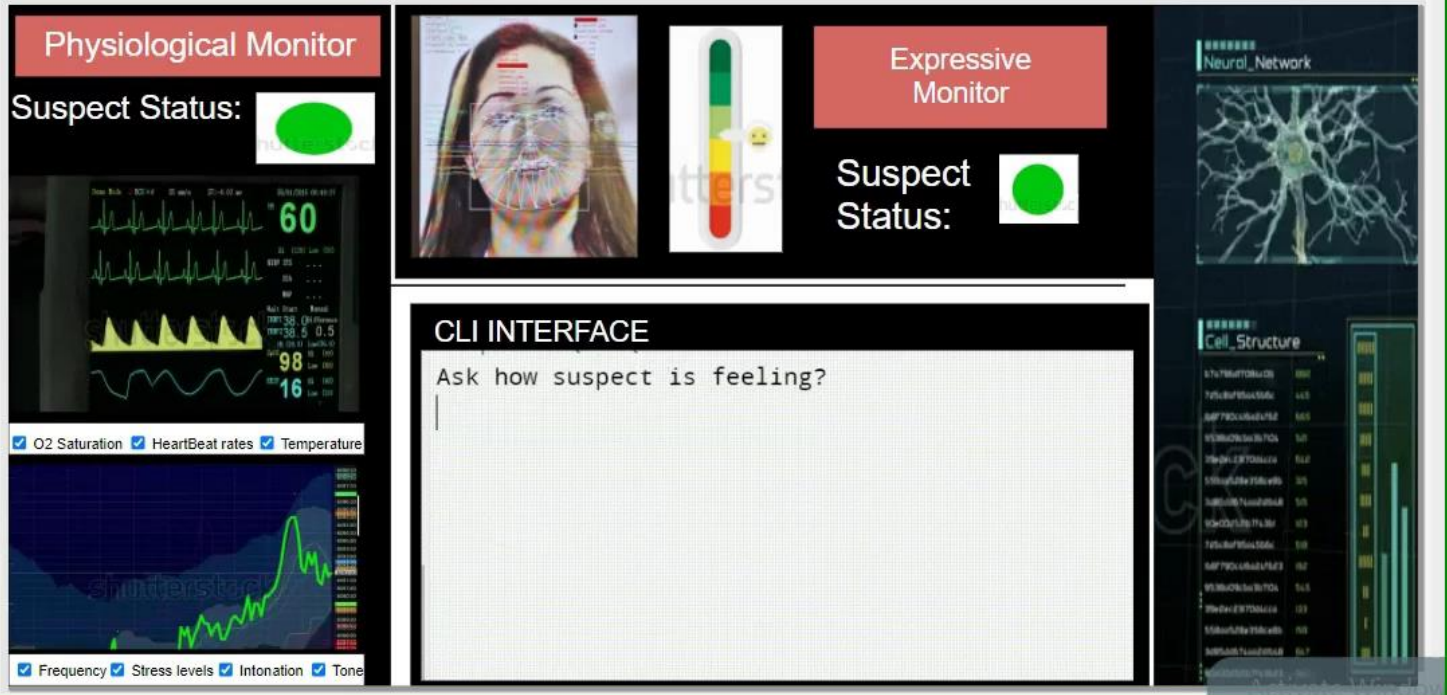
Social interactions

Language

- ► Stress Management

Software can help in stress tests, by advising the interrogator a short test for ease of the suspect.

- ► Mental and Physical Health/Non Verbal communication.

The software will continuously be collecting data which can also be provided to physiologist and psychologists to make sure that the suspect is fit for trial.

Thank You!