Tamper Evident Recorder and Player

Tamper Evident Recorder and Player is a system which is designed to capture and store multiple forms of information in a tamper evident manner. The recorded information can easily be played on any available player. System has potential use in many areas.
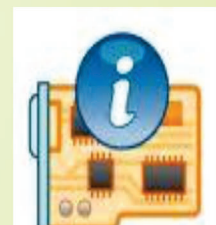
Salient Features

1. Captures audio, video, time, place, device information, biometric information.
2. Bundle all the recorded information together.
3. Saves a digitally signed copy.
4. Prints summery of the recording.
5. Integrity of data can be checked.
6. Recorded information can be played on easily available player.

Biometric: Fingerprint

Hardware Info

Video

Integrity Check

Audio

Scanned Document

Location and Time

Tamper Evident Recorder and Player allows user to

Record
• Lossless compression for video.
• GPS data overlayed on video frames.
• Fingerprint in bmp format

Store
• Stores recorded data in AVI container format along with Metadata.
• Saves all recorded original files as well as digitally signed copy of original.

Integrity Check
• Checks Integrity of recorded data.
• Provision for digital signature.

Play Recorded Data
• Playable on easily available player.

Keep Logs
• Generates logs for various events

Print Summary
• Prints a summary of recording for future reference

Type of Peripherals/Devices supported by TERP system:

1. GPS Receiver
2. Microphone
3. Video camera
4. Biometric Recorder (Fingerprint)
5. Document Scanner
6. Printer
7. Cryptographic Dongle

Areas where system can be used:

1. Police investigation to collect evidences in tamper evident manner.
2. To record events, meetings, conversion.
3. To record court room proceedings.
4. In Interrogation room.
5. All other possible areas where data need to be recorded in authentic and tamper evident manner.

Supported Operating system

Windows 7 (64 and 32 bit)