HOW CAN BLOCKCHAIN TECHNOLOGY BE INTEGERATED TO THE CRIME ALERT SYSTEM.

One of the needs that the crime alert system will tackle is providing sufficient information to help security agencies in carrying out their jobs effectively. Most of the crime cases are not well investigated because of insufficient information provided.

Nigeria as a case study, the available resources in the country are not reliable to provide adequate and accurate information about the crime committed in a particular area. As a result, making it more difficult for security agencies to carry out their jobs efficiently.

Blockchain technology is a hyper-secure record of digital events that is distributed among many different computers. The blockchain can only be updated by consensus of a majority of the participants in the system, and once information has been entered, it can never be erased. It's what enables transactions to happen without middlemen or a central body, while protecting against duplication and fraud.

Technology alone will never be the answer to effectively combat cybercrime on its own; human experience and expertise will always be required to observe systems and detect suspicious activity. But having the right systems in place to manage data in the most secure manner and provide experts with the tools to operate at their most effective is critical to overcoming the challenge of cybercrime. This is where blockchain would be part of a long-term solution.

How Does Blockchain Work?

The whole point of using a blockchain is to let people — in particular, people who don't trust one another — share valuable data in a secure, tamperproof way.

— MIT Technology Review

The integration of blockchain technology will definitely help the security agencies with reliable information. The citizens who are actively involved, will provide information for security agency to work with effectively. Blockchain comes to play in distributing the information across the application, thereby creating a decentralized distribution chain that gives everyone access to the information at the same time. No one is locked out awaiting changes, while modifications are being recorded in real-time, making changes completely transparent. Therefore, security agencies have information on the go.

On the long run, the integration of blockchain technology will help distribute digital assets (information). The asset (information) being decentralized will allow full real-time access. As well, ensuring trust in the information provided and preserving the integrity of citizens.