

ARTIFICIAL INTELLIGENCE TECHNOLOGIES PROJECT SCOPE

29th July, 2022.

OVERVIEW

Project Description

i *This is an Artificial Intelligence-based project aimed at ensuring a smooth and fair operation of the upcoming Gubernatorial Election.*

Deliverables

- i** *1. Mobile Monitoring Applications (iOS/Android/Windows)*
- 2. Streaming Devices*
- 3. Fully Functional and Networked Situation Room*

Functionalities – Streaming Devices

i *The streaming devices makes a continuous video recording of the entire event at every given time. It also streams the events unfolding in real-time to both the mobile applications and situation room. This is to ensure that multiple pooling stations can be monitored simultaneously. Each pooling station will have a streaming device.*

In the case of network unavailability or failure, the device stashes the video in an encrypted form that cannot be altered and can only be accessed by the administrator. The stashed video is automatically sent to the monitoring devices when there is a good internet connection. This is to prevent the video from getting compromised.

Functionalities – Monitoring Applications

- i** *The monitoring applications will be compatible with Android, iOS and Windows operating systems. The main users of this application will be major stake-holders. These users will be able to monitor the output of the streaming devices.*

The mobile application ensures that stakeholders can still monitor the pooling station in real-time even when they are not in the are not in the situation room.

Functionalities – Fully Functional and Networked Situation Room

- i** *The situation room will be networked to monitor video streams from the streaming devices in real-time as well as to analysis traffic on social media platforms about the elections. An artificial intelligence engine that sorts through user posts and comments on social media to highlight significant topics of interest like ‘violence’, ‘stolen ballot boxes’, ‘election rigging’, etc. will be provisioned.*

Cost Evaluation

i **Server**

Azure Subscription Plan - \$100.00

Situation Room

Workstation Computer – N290,000.00

*1 55” Extra Large Monitor (**Rentable**)*

1 Normal Monitor – N43,000.00

4G MiFi

Monitoring Devices

Pooling-Station Streaming Devices – N90,000.00 each