**LITERATURE REVIEW**

**Electronic Voting System.**

The subject of electronic voting system acronym e-voting system was actively proposed on different levelssince the beginning of this session. There exists an opportunity and motivation to implement such a project with the purpose of offering students a possibility of electronic-voting at SUG, PTSA, Faculty and Departmental election of Rufus Giwa Polytechnic, Owo.

A private key infrastructure enabling secure electronic personal authenticationusing facial recognition system and Pins were generated. Currently students’bio-data have been covered, meaning that the eligible voters is covered.

This review gives a general description of the technical and organizational system of the planned e-voting system. This document:

* Specifies the system requirements,
* Specifies the eligible voting levels of the system and describes their scope,
* Specifies the architecture of the e-voting system, the general description of functionality, protocols and algorithms,
* Analyses and describes possible security hazards and examines the compliance of the system to security requirements.

**Basic Principles of E-voting**

The main principle of e-voting is that it must be as similar to regular voting as

possible, compliant with election legislation and principles and be at least as secure as

regular voting.Therefore e-voting must be uniform and secret, only eligible persons must be allowedto (e-)vote, every voter should be able to cast only one vote, a voter must not be able to prove in favor of whom he/she voted. In addition to this the collecting of votes must be secure, reliable and accountable.

According to Rufus Giwa Polytechnic proposing e-voting legislation, voting takes place for A daythe following requirements are laid out:

* On advance polling days, voters may vote electronically on the web page

Of Rugipo voting platform. A voter shall vote himself or herself.

* A voter shall identify himself or herself using the pin generatedfor him

or her which enables digital identification.

* After identification of the voter, the consolidated list of candidates in the each electoral levels of the election shall be displayed to the voter on the web page.
* The voter shall indicate on the web page the candidate in the electoral

level of his or her faculty, department or their collectively known government (SUG or PTSA) for whom he or she wishes to vote and shall confirm the vote by submitting it digitally using the webpage.

* A notice that the vote has been taken into account shall be displayed to thevoter on the web page.