***INSTITUTE OF PUBLIC ADMINISTRATION AND MANAGEMENT (IPAM)***

***COURSE: Information Systems***

***YEAR: Three (3)***

***MODULE: Software Engineering (2)***

***SEMESTER: Second Semester***

***NAMES: EMAIL***

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**TITLE: ONLINE VOTING SYSTEM**

**GITHUB URL (**[**https://github.com/softwareengineeringsecond/onlinevotingsystem**](https://github.com/softwareengineeringsecond/onlinevotingsystem) **)**

**TEAM LEADER:**

* **MAYILLAH SESAY**

**PROJECT DESCRIPTION:**

**This system is an Interactive Way to Solve Conventional Voting. Talking about the features of this system, the admin can manage the candidates, view results, and check feedback. There will be a casting vote homepage and also users will be required to provide information to authenticate him/her, while the user can simply vote for a specific candidate. The voters can also easily vote for their favorite person without having to go to the voting area. Also, the admin can easily view voting status. The design of this project is very simple so that the user won’t find any difficulties while working on it.**

**FUNCTIONAL FEAUTURES OF USERS**

* **Casting vote home page**
* **Voters name, Voters registration ID, voters card No.**
* **Choosing candidate**
* **While the user can simply vote for all the available candidates by giving some Basic Details of oneself.**
* **The voters can also easily vote for their favorite person without having to go to the voting area.**
* **The design of this project is very simple so that the user won’t find any difficulties while working on it.**

**PLAN OF WORK**

**INTRODUCTION AND STATEMENT OF THE PROBLEM**

**National Electoral Commission (NEC) ongoing system of voting and counting in Sierra Leone is not that too good in order for voting and counting of votes to be done in accurate and efficient manner. And also cost of conducting and election will cost the government a huge amount of money through the process of applying human power, this system need to change in order for the country to have accurate way of conducting there elections in reliable and efficient manner.**

**WHY IS THIS PARTICULAR TOPIC CHOOSEN**

**This topic was chosen reason been the current system can cause delay in the case of voting and counting of votes in each polling station will take them much time to compute and send their total votes to the National Electoral Commission (NEC), the delay can cause issues with the voters and the agents that was sent to each polling station by saying they are manipulating the ballot box because the process of counting will not end in earlier time, so as a software engineering students we think about this and decided to bring in some solutions to this problems.**

**WHAT CONTRIBUTION WOULD THE PROJECT MAKE AND TO WHOM**

**Results of our project will provide valuable contribution to the management & Credit Team, and also we will suggest the corrective measures to be taken/followed while credit staff.**

**OBJECTIVE**

1. **To improve the ways of casting votes by using a ballot box.**
2. **To apply an automation system in order for to be done in accurate manner and efficient way.**
3. **To reduce the cost of conducting elections using the human power.**
4. **To reduce the work load on the agents at each polling station.**

**SCOPE OF THE STUDY**

**A research design is the arrangement of conditions for collection and analysis of data in a**

**Manner that aims to combine relevance to the research purpose with economy in procedure. It is a framework for the study and is used as a guide in collection and analysing data. In the project we have used “Correlational Research Design”, which attempts to discover or establish the existence of a relationship/interdependence between two or more aspects of a situation.**

**METHODOLOGY:-**

**Primary Data**

**For obtaining the primary data for our project, we propose to use two research instruments**

**i.e., Questionnaire and Structured interviews:**

**• Questionnaire:-**

**i. Sample Size: 20**

**ii. Sample Composition**

**Manager: 2**

**Executives: 10**

**Past Employees: 3**

**Head of Department and senior staff: 5**

**• Structured Interviews:-**

**i. Sample Size: 15**

**ii. Sample composition**

**Past Employees: 3**

**Manager: 5**

**Team Leaders/Supervisors: 5**

**Head of Department and senior staff:**

**Secondary data:-**

**We propose to get the secondary data from:**

**a. Previous in house studies done at cogent**

**b. Earlier complaints/past employees**

**TECHNOLOGIES**

**The technology we are going to introduce on the casting of votes and counting is a web platform which will have a great competitive in the world, through this automation tasks will be performed in a fast and accurate manner which reduce cost in conducting elections. The software we are going to use is called PHP, MySQL and XAMPP.**

**HARDWARE AND SOFTWARE REQUIREMENT SPECIFICATION**

***Hardware***

1. **Personal computers**
2. **Server**
3. **Mobile Application**

***Software:***

1. **Windows**
2. **PHP**
3. **MYSQL**
4. **XAMPP**

**WORK PLAN**

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity** | **Responsibility** | **Budget** | **Time/Estimated Completion Date** |
| **Identify areas to conduct the sensitization of the new system** | **Project officer** | **900 $** | **1 month/01.01.2020** |
| **Outreach to the districts** | **Project officer** | **1000$** | **1 month/01.02.2020** |
| **Organize IT staffs training in cooperation with the concerned government office** | **Project coordinator** | **700 $** | **6 weeks/15.03.2020** |
| **Implement IT training in the selected institution** | **Project coordinator and project officer** | **600$** | **1 month/15.04.2020** |
| **Evaluation of the training results** | **External consultant** | **1500 $** | **2 weeks/01.05.2020** |
|  |  |  |  |

**CONTRIBUTION TO END OF PRODUCT BY STUDENTS**

**MAYILLAH SESAY:**

* **Creating the homepage**
* **Inputting voters name, voter’s registration, voter’s card No.**

**ANSUMANA KAMARA:**

* **Inputting of candidate information**
* **Enabling user to vote for his/her candidate.**

**AARON E WILLIAMS:**

* **Creating the interface for users to vote for their specific candidate without going to the polling station.**
* **Providing simple user interface for users.**

**REFERENCES:**

[**https://proposalsforngos.com/what-is-a-work-plan/**](https://proposalsforngos.com/what-is-a-work-plan/)

[**https://www.coursehero.com/file/p24s8d4/What-contribution-would-the-project-make-and-to-whom-Results-of-my-project-will/**](https://www.coursehero.com/file/p24s8d4/What-contribution-would-the-project-make-and-to-whom-Results-of-my-project-will/)