# **CHAPTER**

**2**

# **PRELIMINARY INVESTIGATION**

## **PRELIMINARY INVESTIGATION**

### **PROBLEM STATEMENT**

On account of studying existing system of Local area Census which takes too much to be manipulated some the below problems were discovered:

1. **Complexity, delay and stressful:** Delay and stress associated with accessing, and updating of Residential. Likewise accessing and sorting of data becomes complex especially while mess up several sheets by selecting them and writing something intended for a single sheet.

1. **Discomfort:** Project coordination/project committee members has to be present before approval of topics and places of training (for SIWES) or any other project.
2. **Time :** Approval of the Rulers .

### **PROPOSED SYSTEM**

From the result of our investigation, the team suggested to analyze, design and implement web-based **Census of Local Area** that can work in places and bring about solution to the problems encountered in the currently used system.

The system allows each citizens in their Local area To register as Residents, this enable them to print Slip, then Summit it to Our Traditional Ruler for Approval. They cannot able to Login into the actual system until the traditional approved you. Then it enable the Citizens to access his Profile and view Organisation, he can see the actual orphans of the Area, and he can knows the actual those with Special needs. And he can find Un-built field in that Area with their Geographical Area Coordination.

The system allows citizens of that Area to his the History of that Area and pictures of past Rulers,it allows Rulers to each and every person in the Area, it will enable to distinguish between Children that are going to Schools and those that are not.

The system allows our Traditional Rulers to Print Monthly Statement that contain:

* Total number of Residential in that Area
* Total number of Orphans in that Area
* Total number of those with Special needs in that Area
* Total number of child that are not going to School
* Total un-build field

### **FEASIBILITY REPORT**

#### **Technical**

Based on the information gathered from the investigation performed, the system is technically feasible considering that the project team can analyze, design and implement the system using the current system, software technology and manpower, because they are highly skilled software analyst, designers and web programmers. The technologies and tools are:

1. HTML 5
2. CSS
3. JavaScript
4. Google Firebase Database
5. Visual Studio 2013 (for UML designs)

#### **Legal**

The system is legally feasible being that there is no any law that restrict it development.

#### **Operational**

The system is going to be efficient, reliable and user friendly that will be operationally accepted by the country. The system proposed system operation defends on three users:

1. Traditional Rulers
2. Citizens of Local Area
3. Organizations

#### **Recommendation & findings**

Based on the information presented in this feasibility study, it is recommended that **Nigeria (and other countries), and State governments** need Census data of Local Area **.** This feasibility study shows that this system will be highly beneficial to the country and has the high probability of success.

Key findings:

1. Will utilize existing technology which lowers project risk
2. Once in place this technology is simple to operate and maintain for a relatively low cost.

## **PROJECT PLANNING**

### **DEVELOPMENT LIFE CYCLE**

**AGILE METHOD**