

## E-DOCUMENTED AGRICULTURE SYSTEM

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**Abstract:** The system proposed in this paper basically includes five main parts, a fingerprint detector, control unit, PC with touch screen GUI, internet database station and remote user room security module. Using finger print identity, unique code and token amount (exceptional) user can easily get document either in visual (soft) or in printed (hard) format. This system is implementable for authorized government offices at village/city level which is the ground hub of government documentation work. This system gives the information regarding different crops which gives good productivity to the farmer, as per his soil condition. This system also provide information regarding fertilizer which is suitable for that field and its recommended doses for increasing the productivity of crop. By connecting all such systems over a country on a dedicated secure network with single Database station using cloud computing, we can easily achieve the remote access anywhere over country.

**Keywords:** Control unit, Touch screen, productivity, database, and farmer.

### 1. INTRODUCTION

The bribe taking corrupted officers and many government & private administrative peoples. The legal documents in day to day life are purposefully delayed by such people even though to get these documents on time is our basic right. The United States with the help of such records implements various public development policies. Also the agriculture, government documentation, traffic control, tragedy control, security, domestic facility and population control etc. are traced by these records. In past decade many Indian researchers has thought upon the schemes to bring into existence. The proposals either delayed due to political interference or some technical problems. E-Education will constitute various initiatives of educating the citizen and the Government with the various Information technologies. [1]

### 2. ANALYSIS OF THE SYSTEM

#### 2.1 The Review of E-Documentation

The frustration of bribe for government documents force to think us about some automated system. The idea of our project is output of all such frustrations and media awarance. Here we are going to implement a project in which the system is able to detect the unique finger print of a person who is in need of such documents and accordingly it will immediately provides the necessary documents in printed format without any payment to respective officer. The fingerprint module will be used here. It can store number of finger prints on its own memory at a time. [2,3]

#### 2.2 Block Diagram

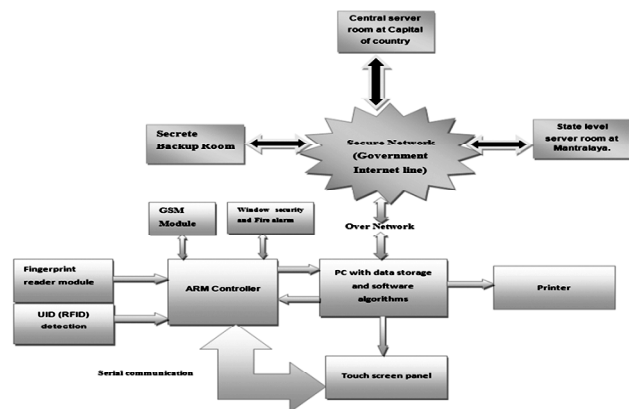


Figure 1: Block Diagram of E-Documentation Agriculture System

The E-documentation system consist of four modules, each of these is function dependant and interconnected to each other to form a complete system. Each module has its own significance thus need to be work synchronously with another one.

### 3. USER IDENTIFICATION MODULE

The User Identification Controller module (UIM) is the basic man machine interface which is used to trace the identity of the user and provides a secure access to important government documents. Since each person who needs documents should not conflict with identity of another person each of them needs unique identity. The identity of the person in our system is decided using two basic signatures, one is figure print and another is unique identification number provided to each person.[4]

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#### 4. BIOMETRIC IDENTIFICATION USING FINGER PRINT MODULE

The figure print detection module is the basic important module for user identification which generates the binary data by scanning the finger print loops. Fingerprint of any two persons cannot be same at anytime, anywhere and anyhow! Thus the unique biometric identity of a person differentiates it from other humans. The biometric fingerprint system scans and stores large amount of fingerprints by assigning them a unique ID number. Also the data related to each finger can be serially accessed to processor for further operation [5-7]

#### 5. CIRCUIT DIAGRAM

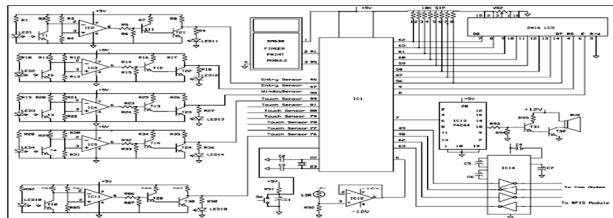


Figure 2: Circuit Diagram of E-Documented Agriculture System

Circuit diagram includes touch screen circuit used for proper selection of data which you required. It is interfaced to control system for controlling other devices.

#### 6. RESULTS AND DISCUSSION

The different data is filled and get information regarding name of the farmer, mobile number, email ID , permanent address, photo copy, local address. After feeding this information farmer gets the information regarding different crops and how the productivity of the crop will increased by using different fertilizers.

Figure 3: Sample Admin Option form Design in JAVA

#### 7. CONCLUSION

The government documents are most important and frequently used things in day to day life. Hence a large number of users needs authorized certificates so that they can access certificate digitally and can easily get hard copy of certificate. The existing electronics storage systems are complicated and not reliable to handle such huge amount of data.

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