**SYSTEM DEVELOPMENT**

System analysis includes the investigation and possible changes to the existing system. Analysis is used to gain an understanding of the existing system and what is required of it. At the conclusion of the system analysis, there is a system description and a set of requirements for a new system.

A detailed study of the process must be made by various techniques like interviews, questionnaires etc. The data collected by these sources must be scrutinized to arrive to a conclusion. The conclusion is an understanding of how the system functions. This system is called the existing system. Now the existing system is subjected to close study and problem areas are identified. The designer now functions as a problem solver and tries to sort out the difficulties that the enterprise faces. The solutions are given as proposals. The proposal is then weighed with the existing system analytically and the best one is selected. The proposal is presented to the user for an endorsement by the user. The proposal is reviewed on user request and suitable changes are made. This is loop that ends as soon as the user is satisfied with proposal. Preliminary study is problem solving activity that requires intensive communication between the system users and system developers. It does various feasibility studies. In these studies a rough figure of the system activities can be obtained, which can be used to take decisions regarding strategies to be followed for an effective system development.

The various task to be carried out in system analysis involves: examining the document and the relevant aspects of the existing system, its failures and problems; analyse the findings and record the results; define and document in outline the proposed system; test the proposed design against the known facts; produce a detailed report to support the proposals; estimate the resource required to design and implement the proposed system. The objective of this system study is to determine whether there is any need for the new system. All the levels of the feasibility measures have to be performed. Thereby knowing the performance by which a new system has to be performed.

**Development Planning:**

This section describes about the development of the Safe application and the details of how to access this control from any application.

Implementation is the process of assuring that the information system is operational and then allowing users take over its operation for use and evaluation. Implementation includes the following activities.

* Obtaining and installing the system hardware.
* Installing the system and making it run on its intended hardware.
* Providing user access to the system.
* Creating and updating the database.
* Documenting the system for its users and for those who will be responsible for maintaining it in the future.
* Making arrangements to support the users as the system is used.
* Transferring ongoing responsibility for the system from its developers to the operations or maintenance part.
* Evaluating the operation and use of the system.

**Implementation Phase in this project:**

The new system of Electronic Land Information Management System has been implemented. The present system has been integrated with the already existing hardware. The database was put into the Microsoft SQL server. This was connected by JDBC. The database is accessible through Internet on any geographic location. Documentation is provided well in such a way that it is useful for users and maintainers.

**Maintenance:**

Maintenance is any work done to change the system after it is in operational. The term maintenance is used to describe activities that occur following the delivery of the product to the customer. The maintenance phase of the software life cycle is the time period in which a software product performs useful work.

Maintenance activities involve making enhancements to products, adapting products to new environments, correcting problems.

In this be retrieve the data from the database design by searching the database. So, for maintaining data our project has a backup facility so that there is an additional copy of data, which needs to be maintained.

More over this project would update the annual data on to a CD, which could be used for later reference