Transformation of Information through Multimedia Based Interactive Media for Desi Cotton Crop

(EXPL 412)

Submitted By:

Solanki Hemit K.

Sem: 7th semester

Reg.no: 06-0105-2012

Roll No: 16

Submitted To:

Dr. R.S.Parmar

College of Agricultural Information Technology,

Anand Agriculture University,

Anand-388001

Index

Contents

1.0 Need for feasibility study: 3
1.1 Whether a new system is to be installed or not? 3
1.2 Potential of the existing system: 3
1.3 Improvement of the existing system and changes needed with the new system: 4
1.4 Problems of existing system: 5
1.5 Objectives of newly proposed system: 5
1.6 Avoid hardware approach: 5
2.0 Methods of feasibility study: 6
2.1 Technical feasibility: 6
2.1.1 Hardware interface: 6
2.2.2 Software interface: 6
2.2.3 Network interface: 6
2.2.4 Memory constrain: 6
2.2.5 Operations: 6
2.2.6 User characteristics: 6
2.2 Economics feasibility: 7
2.3 Operational or behavioural feasibility: 7

1 Need for feasibility study:

1.1 Whether a new system is to be installed or not?

The information is playing very important role in agriculture sector. But information should be,

- **Language specific and culture specific**
- **Easy to understand**
- **Helpful**
- **Accurate**
- **Available at every time and for every body**
- **Format**

As per the latest report of UNESCO 2015, there are 287 million illiterates adults in INDIA and as per census 2015, the 32% of India's rural population is illiterate and 30% of illiteracy of whole Gujarat's rural population causes to make unable farmer to understand the available format of information.

Due to the improper format, illiteracy of farmers, lack of available language specific and culture specific or region specific content and limitations of Front Line Demonstration (FLD) the installation of newly proposed system is necessary.

Especially in agriculture sector the information must be valid and understandable for farmers. Moreover, the form of the information can be considered as a major factor as it creates the better understanding. But now a days the agriculture information technologies are lack of advanced multimedia techniques. That is why to create better mutual understanding among the farmers by multimedia technology is necessary.

1.2 Potential of the existing system:

Potential of existing system are listed below:

- Convey the information in a generalize manner
- Information is available in text form or in graphics form
- Wastage of unnecessary resources through FLDs
- Limited numbers of approached farmers through FLDs

The potential of current system is not precise as well as not feasible in the current time. In this era the information is very important phenomenon as should be provided accurately, in proper format, region specific and language specific content is needed. So that, one can understands the conveyed information easily as well as they can also access the information. These working methodology of existing system demand the new approach information system with the farm virtualization techniques.

1.3 Improvement of the existing system and changes needed with the new system:

The following changes should be bringing to improve the existing system:

- Easy to understand
- Virtual farm demonstration techniques
- Easy to operate
- Language specific or region specific content
- Conveyed information is authenticated by research institutions

Due to the above changes in existing system, the following benefits can be achieved by implanting the newly proposed system:

- The better understanding can be created for farmers.
- The approach to farmer can been maximize by developing technology which require less operating skills.
- The resources can be used in efficient manner.
- The more precise information of farm practices leads to good farm practices and prevents from misleading or wrong practices that will create more reliable environment.
- The agriculture sector can be strengthen more by proper flow and format of information as it creates better understanding of farm practices.

1.4 Problems of existing system:

Problem: 1

The format of information is improper.

Problem: 2

It is impossible to reach to each and every farmer of region or state and do on farm demonstration.

Problem: 3

The farmers have lack of skills to operate or access the information media and lack of resources to access the available information media.

Problem: 4

The available information which are in proper format are not authenticated moreover not all information is available.

Problem: 5

The resources have been utilized unnecessarily to arrange and conduct the on farm demonstration extension programme.

1.5 Objectives of newly proposed system:

- To disseminate Desi Cotton Crop information to farming community through CD in Audio Visual Format.

1.6 Avoid hardware approach:

In the current time the information has been conveyed to the farmers through pamphlets or through front line demonstration (FLD) which uses the more resources and time consuming process. While through newly proposed system the less number of hardware required like pamphlets, leaflets, folders etc. and use resources efficiently.

2 Methods of feasibility study:

2.1 Technical feasibility:

2.1.1 Hardware interface:

- The system must interface with the standard output device, keyboard and mouse to interact with this software.

- For execution of the proposed system one has to have CD drive or DVD drive.

2.2.2 Software interface:

- **Back End:** Action Script 3.0 (Adobe Flash)

- **Front End:**

    - Adobe CC 2015
    - 3Ds Max 2015

2.2.3 Network interface:

- There are no internet connectivity require for deployment of the system.

2.2.4 Memory constrain:

- No specific constraints on memory.

2.2.5 Operations:

- The system have been deployed to compact disk (CD), so farmer can better understood the farm practices which leads to better farm produces.

2.2.6 User characteristics:

- The Product has better navigation among the contents, so one can easily access the contents.

- The product does not expect the user to possess any technical background. Any person who knows to use the mouse and the keyboard

and gave basic knowledge of computer can successfully use this product.

2.2 Economics feasibility:

- The software which is used to develop the projects is licensed software but with student ID, it can be used freely for three years except Adobe Flash CC 2015.
- The hardware needed to deploy systems is CD which can cost minimal amount i.e. 20 or 25 RS.
- This system doesn't require network connectivity hence doesn't cost any.

2.3 Operational or behavioural feasibility:

- The newly proposed system can be operated easily as it doesn't require any special skills.
- The system is easy to understand and can be deployed easily in any form like CDs, DVDs or any hardware memory device.

****