A WEB-BASED LAND DEVELOPMENT SYSTEM USING ENHANCED GIS FOR CLSU VILLAGE

SURVEY FORM

Evaluation Tool for User Acceptability

PART I. Respondent's Profile

Name:

Position:

Company:

Years in Service:

Highest Educational Attainment:

PART II. Questions

**Evaluation for Usability, Reliability, Effectiveness, User Interface, and Security.*

Using the scale below, evaluate the Land Record Management System by placing a check **[✓]** mark on the appropriate column that best describe your responses.

Scale

5	*Beyond Acceptable*
4	*Acceptable*
3	*Slightly Acceptable*
2	*Slightly Unacceptable*
1	*Unacceptable*

USABILITY					
Criteria	**Rating**				
	1	**2**	**3**	**4**	**5**
1. The system is simple to use.					
2. It is easy to create and access an account.					
3. The system is easy to learn and understand how it works					
RELIABILITY					
1. The user needs a registration approval before it can use the features of the system.					
2. The system informs users concerning invalid data entry.					
EFFECTIVENESS					
For Superadmin ONLY					
1. The system allows the superadmin to register an assistant superadmin user and assign superadmin privileges.					

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2. The system allows the superadmin to provide registration for coopmembers.					
3. The system allows the superadmin to approve and decline registration of the users.					
For Admin ONLY					
1. The system allows the admin to view the all the landowner records.					
2. The system allows the admin to manage the forms.					
For Landowners ONLY					
1. The system allows landowners to view their land records.					
2. The system allows landowners to request an official copy of their land records.					
USER INTERFACE					
1. The system has a user-friendly interface.					
2. The system's context is easy to read and understand.					
3. Buttons are identifiable based on their own functionality.					
4. It is easy to navigate your way in the system.					
5. The color scheme is simple and aesthetically pleasing.					
SECURITY					
1. The system provides a login security.					
2. The system has a secure access through passwords.					
3. The user can only view the information depends on his/her user account type.					
4. The system can only be accessible by the one who is registered.					

Feedback/Recommendations:

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Signature over printed name

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Evaluation Tool for User Acceptability (IT Experts)

(Adapted from ISO 25010)

PART I. ***Respondent's Profile***

Name:

Position:

Company:

Years in Service:

Highest Educational Attainment:

PART II. ***Questions***

**This is adopted from the ISO/IEC 25010 standard that provides guidelines and recommendations for evaluating software product quality.*

Using the scale below, evaluate the Land Record Management System by placing a check **[✓]** mark on the appropriate column that best describe your responses.

Scale

5	*Beyond Acceptable*
4	*Acceptable*
3	*Slightly Acceptable*
2	*Slightly Unacceptable*
1	*Unacceptable*

FUNCTIONAL SUITABILITY					
Criteria	**Rating**				
	1	**2**	**3**	**4**	**5**
Functional Completeness- Degree to which the set of functions covers all the specified tasks and intended users' objectives.					
Functional Correctness- Degree to which a product or system provides accurate results when used by the intended users.					
Functional Appropriateness- Degree to which the functions facilitate the accomplishment of specified tasks and objectives.					

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Criteria	Rating				
	1	2	3	4	5
PERFORMANCE EFFICIENCY					
Time Behavior- Degree to which the response time and throughput rates of a product or system, when performing its functions, meet requirements.					
Resource Utilization-Degree to which the amount and types of resources used by a product or system, when performing its functions, meet requirements.					
Capacity- Degree to which the maximum limits of a product or system parameter meet requirements.					
COMPATABILITY					
Co-existence- Degree to which a product can perform its required functions efficiently while sharing a common environment and resources with other products, without detrimental impact on any other product.					
Interoperability- Degree to which a system, product or component can exchange information with other products and mutually use the information that has been exchanged.					
USABILITY (Interaction Capability)					
Appropriateness Recognizability- Degree to which users can recognize whether the product or system is appropriate for their needs.					
Learnability- Degree to which the functions of a product or system can be learnt to be used by specified users within a specified amount of time.					
Operability- Degree to which a product or system has attributes that make it easy to operate and control.					
User Error Protection- Degree to which a system prevents users against operation errors.					
User Engagement- Degree to which a user interface presents functions and information in an inviting and motivating manner encouraging continued interaction.					
Inclusivity- Degree to which a product or system can be used by people of various backgrounds (such as people of various ages, abilities, cultures, ethnicities, languages, genders, economic situations, etc.).					
User Assistance- Degree to which a product can be used by people with widest range of characteristics and capabilities to achieve specified goals in a specified context of use.					
Self-Descriptiveness- Degree to which a product presents appropriate information, where needed by the user, to make its capabilities and use immediately obvious to the user without excessive interactions with a product or other resources (such as user documentation, help desks or other users).					
RELIABILITY					

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Criteria	Rating				
	1	2	3	4	5
Faultlessness- Degree to which a system, product or component performs specified functions without fault under normal operation.					
Availability- Degree to which a system, product or component is operational and accessible when required for use.					
Fault Tolerance- Degree to which in the event of an interruption or a failure, a product or system can recover the data directly affected and re-establish the desired state of the system.					
SECURITY					
Confidentiality- Degree to which a product or system ensures that data are accessible only to those authorized to have access.					
Integrity- Degree to which a system, product or component ensures that the state of its system and data are protected from unauthorized modification or deletion either by malicious action or computer error.					
Non-Repudiation- Degree to which actions or events can be proven to have taken place so that the events or actions cannot be repudiated later.					
Accountability - Degree to which the actions of an entity can be traced uniquely to the entity.					
Authenticity- Degree to which the identity of a subject or resource can be proved to be the one claimed.					
Resistance- Degree to which the product or system sustains operations while under attack from a malicious actor.					
MAINTAINABILITY					
Modularity- Degree to which a system or computer program is composed of discrete components such that a change to one component has minimal impact on other components.					
Reusability- Degree to which a product can be used as an asset in more than one system, or in building other assets.					
Analysability – Degree of effectiveness and efficiency with which it is possible to assess the impact on a product or system of an intended change to one or more of its parts, to diagnose a product for deficiencies or causes of failures, or to identify parts to be modified.					
Modifiability- Degree to which a product or system can be effectively and efficiently modified without introducing defects or degrading existing product quality.					
Testability- Degree of effectiveness and efficiency with which test criteria can be established for a system, product or component and tests can be performed to determine whether those criteria have been met.					
PORTABILITY (FLEXIBILITY)					
Adaptability- Degree to which a product or system can effectively and efficiently be adapted for or transferred to different hardware, software or other operational or usage environments.					

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Scalability- Degree to which a product can handle growing or shrinking workloads or to adapt its capability to handle variability.					
Installability- Degree to which a product can replace another specified software for the same purpose in the same environment.					
Replaceability- Degree to which a product can replace another specified software product for the same purpose in the same environment.					

Feedback/Recommendations:

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Signature over printed name