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CLASS SCHEDULE: Mth 1:30-3:00pm DATE: April 28, 2025

Evaluation on the Functionality of Web-based Farm Land Monitoring System using Open layers

Table 1.

Level of Functionality of the Web-based Farm Land Monitoring System using Open layers

Functionality	Mean	SD	Qualitative Description	Interpretation
1. The system enables the admin to view, edit, and create a map on farm coordinates.	4.60	0.50	Strongly Agree	Very High Approval
2. The system can add farmers.	4.45	0.51	Strongly Agree	Very High Approval
3. The system enables the admin to search mortgaged lands.	4.55	0.51	Strongly Agree	Very High Approval
4. The system can display statistical reports such as Weekly, Monthly, and Annually report.	4.70	0.47	Strongly Agree	Very High Approval
5. The system enables the admin to search farmer's name.	4.70	0.47	Strongly Agree	Very High Approval
6. The system can automatically calculate the land size in the map.	4.75	0.44	Strongly Agree	Very High Approval
7. The system enables the admin and user to monitor the status of the land.	4.65	0.49	Strongly Agree	Very High Approval
8. The system can display the location of the farmer.	4.70	0.47	Strongly Agree	Very High Approval
9. The system can show the percentage of the farmer registering into the system.	4.65	0.49	Strongly Agree	Very High Approval
10. The system can show the list of the mortgaged land.	4.70	0.47	Strongly Agree	Very High Approval
Overall Mean	4.65		Strongly Agree	Very High Approval

Note:

Scale	Score Range	Qualitative Description	Interpretation
5	4.21-5.00	Strongly Agree	Participants show high approval of the functionality of the Web-based Farm Land Monitoring System using Open layers.
4	3.41-4.20	Agree	Participants show approval of the functionality of the Web-based Farm Land Monitoring System using Open layers.
3	2.61-3.40	Undecided	Participants do not show approval nor disapproval of the functionality of the Web-based Farm Land Monitoring System using Open layers.
2	1.81-2.60	Disagree	Participants show disapproval of the functionality of the Web-based Farm Land Monitoring System using Open layers.
1	1.00-1.80	Strongly Disagree	Participants show high disapproval of the functionality of the Web-based Farm Land Monitoring System using Open layers.

Evaluation on the Usability of Web-based Farm Land Monitoring System using Open layers

Table 2.

Level of Usability of the Web-based Farm Land Monitoring System using Open layers

Usability	Mean	SD	Qualitative Description	Interpretation
1. The system is user-friendly.	4.70	0.47	Strongly Agree	Very High Approval
2. Overall, I am satisfied with my experience using this web application.	4.65	0.49	Strongly Agree	Very High Approval
3. The system is easy to use.	4.55	0.60	Strongly Agree	Very High Approval
4. The web application responds quickly to my interactions and commands.	4.65	0.59	Strongly Agree	Very High Approval

5. I'm confident in using this system.	4.55	0.51	Strongly Agree	Very High Approval
6. I found the system not complicated.	4.55	0.51	Strongly Agree	Very High Approval
7. The web application is easy to navigate and use.	4.40	0.50	Strongly Agree	Very High Approval
8. The UI design of the web application is visually appealing.	4.45	0.51	Strongly Agree	Very High Approval
9. I don't encounter issues or bugs while using the web application.	4.45	0.51	Strongly Agree	Very High Approval
10. The web application performs quickly and efficiently.	4.70	0.47	Strongly Agree	Very High Approval
Overall Mean	4.57		Strongly Agree	Very High Approval

Note:

Scale	Score Range	Qualitative Description	Interpretation
5	4.21-5.00	Strongly Agree	Participants show high approval of the usability of the Web-based Farm Land Monitoring System using Open layers.
4	3.41-4.20	Agree	Participants show approval of the usability of the Web-based Farm Land Monitoring System using Open layers.
3	2.61-3.40	Undecided	Participants do not show approval nor disapproval of the usability of the Web-based Farm Land Monitoring System using Open layers.
2	1.81-2.60	Disagree	Participants show disapproval of the usability of the Web-based Farm Land Monitoring System using Open layers.
1	1.00-1.80	Strongly Disagree	Participants show high disapproval of the usability of the Web-based Farm Land Monitoring System using Open layers.

Evaluation on the Reliability of Web-based Farm Land Monitoring System using Open layers

Table 3.

Level of Reliability of the Web-based Farm Land Monitoring System using Open layers

Reliability	Mean	SD	Qualitative Description	Interpretation
1. The web application responds quickly to user actions and requests.	4.60	0.60	Strongly Agree	Very High Approval
2. The Agrimap web application's availability meets my expectations.	4.65	0.59	Strongly Agree	Very High Approval
3. The Agrimap web application consistently performs without major errors or crashes.	4.70	0.47	Strongly Agree	Very High Approval
4. The Agrimap web application handles errors gracefully and provides informative error message.	4.50	0.51	Strongly Agree	Very High Approval
5. The web application is available and accessible when I need it.	4.35	0.59	Strongly Agree	Very High Approval
Overall Mean	4.56		Strongly Agree	Very High Approval

Note:

Scale	Score Range	Qualitative Description	Interpretation
5	4.21-5.00	Strongly Agree	Participants show high approval of the reliability of the Web-based Farm Land Monitoring System using Open layers.
4	3.41-4.20	Agree	Participants show approval of the reliability of the Web-based Farm Land Monitoring System using Open layers.
3	2.61-3.40	Undecided	Participants do not show approval nor disapproval of the reliability of the Web-based Farm Land Monitoring System using Open layers.

2	1.81-2.60	Disagree	Participants show disapproval of the reliability of the Web-based Farm Land Monitoring System using Open layers.
1	1.00-1.80	Strongly Disagree	Participants show high disapproval of the reliability of the Web-based Farm Land Monitoring System using Open layers.