**Capstone Project 2**

**Comments, Suggestions, and Recommendations**

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| Title: | Ligtas Tanim: A mobile web-based profiling and Management of Agricultural Farmers crops of Department of Agriculture in Sto. Tomas with Image Detection | | |
| SDG: | Goal 15: Life on Land | | |
| Date of Defense: | December 20, 2024 | Time: | 3:00 PM-4:00 PM |
| Adviser: | Danilo B. Dorado, LPT, MIT | | |
| Researchers: | 1. Cristine Joyce P. Lagasca 2. Jefferson L. Villamor 3. Paul John Lester P. Gonzales 4. Almira G. Migue | 1. Christine Joy P. Morales 2. Kenneth A. Mitra | |

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| **COMMENTS AND SUGGESTIONS** |
| *A. System and/or Application* |
| 1. Web app (pending farmers) make the viewing of the photos sent more streamline. (ref #8). 2. Mobile app (decline of Registration): Fix notification when registration is declined (ref #10) 3. Web (Create Announcement): Add (Show) date & time 4. Web (Activity Log): Change Full Name to Username 5. Web app (account creation): Remove the creation of other “admin”.(ref #14) 6. Web app (account creation): Include position and Association. (ref #15) 7. Web (creation of Association): (ref #20)    1. Attach supporting document to verify the legitimacy of the other body.    2. Confirm to client, if it’s ok to get by laws, list of officers and certification that they are accredited.    3. Fetch name of organization from contact person data    4. Submit association of masterlist to DA, then DA checks if there’s a duplication on the masterlist for the distribution of fertilizers and the likes. 8. (Farmers) : Multiple Association selection (ref. #18) 9. Web app (transfer of Association): Add “others”. Notify the association of the transfer together with the transfer (ref #19) 10. Mobile App (Crop Management): Add a suggested calendar for water schedule, fertilizer, specific for a certain variety of crop. (ref #22) 11. Add others for variety of crops(ref #23) 12. Mobile App (Crop Management): Add an actual calendar for water schedule, fertilizer, specific for a certain variety of crop (ref #24) 13. Web (Assistance) Add New Supply: on Crops distribution, Crops Selection then select the variety. Voucher has no unit. (ref #26) 14. Web (Distribution): Formal Notification on chosen farmers/association who will receive assistance. (ref #27) 15. Web Crop Management: Add a way to validate the re-fertilization of crops after rain or other types of natural occurrences. (ref #30) 16. Mobile Pest Detection: Send notification to DA on new detection of pest if 30% max confidence is achieved. (ref #31, #32, #33) (options) A. Additional (32)pest trainings for new data set, B. Add AI for detection 17. Report Generation: (refer to 34, 36)     1. Amount provided must be indicated on the Assistance Report     2. Quantity and unit must be inputted     3. List of farmers must be provided on the generated report   Note: January 6, 2024 checking per panels |
| *B. Document/Manuscript* |
| 1. Refer to panels’ manuscript for further revision. |

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| RECORDED BY: |  |  | VERIFIED BY: |  |
|  |  |  |  |  |
| Lorie Jelene M. Paragas, LPT, MIT | |  | Danilo B. Dorado, LPT, MIT | |
| **CITE Faculty** | |  | **Adviser** | |
|  |  |  |  |  |
| APPROVED BY: |  |  |  |  |
|  |  |  |  |  |
| Sheila Marie A. Gonzales | |  | Dionnel M. Caguin, LPT | |
| **Technical Panel** | |  | **Panel Member** | |
|  |  |  |  |  |
|  | Rubilyn R. Nonales, LPT, MIT | | |  |
|  | **Chairperson** | | |  |
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| NOTED BY: |  |  |  |  |
|  |  |  |  |  |
| Patrick V. Mole, MIT | |  | Eherson G. Valdez, LPT, MIT | |
| **Research Coordinator, CITE** | |  | **Program Head, BSIT** | |
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|  |  |  |  |  |
|  | Johanns B. Rabago, LPT, MIT | | |  |
|  | **Dean, CITE** | | |  |