

# Usability Survey for the Smart Plant Monitoring System

Thank you for taking part in our usability study. Your honest feedback is valuable for improving the system. All responses will be kept confidential and used solely for research purposes. Please answer the following questions based on your experience during the usability testing session.

\* Indicates required question

1. Before proceeding with this survey, please read the following: \*
  - Participation in this study is voluntary, and you may choose to stop at any time without providing a reason.
  - Your responses will be anonymous and used solely for research purposes to improve the usability of the smart plant monitoring system.
  - No personally identifiable data will be collected.

By continuing, you confirm that you have read and understood this information and consent to participate in this study.

*Check all that apply.*

☐ I consent to participate in this usability study.

## 2. Age Range

*Mark only one oval.*

- ☐ 18-24
- ☐ 25-34
- ☐ 35-44
- ☐ 45-54
- ☐ 55+

## 3. How experienced are you with using systems similar to this one?

*Mark only one oval.*

- ☐ None
- ☐ Basic Familiarity
- ☐ Moderate experience
- ☐ Advanced User

## 4. How experienced do you feel taking care of plants?

*Mark only one oval.*

- ☐ No Prior Experience
- ☐ Basic Familiarity
- ☐ Moderate experience
- ☐ Advanced plant carer

### Task-Based Feedback

For each task you performed during the testing, please answer the following questions.

#### Task 1: Completing the introduction steps

## 5. How easy was it to navigate the interface?

*Mark only one oval.*

	1	2	3	4	5	
Very	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Easy

6. Did you understand the purpose of completing the introduction steps?

*Mark only one oval.*

- ☐ Yes  
☐ No  
☐ Maybe

## Task 2: Activating Actuators

7. How straightforward was the process of activating actuators?

*Mark only one oval.*

	1	2	3	4	5	
Not	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Straightforward

8. Did the system respond promptly when activating the actuators?

*Mark only one oval.*

- ☐ Yes  
☐ No  
☐ Somewhat

9. Comments on Task 2 (Please mention any difficulties or suggestions)

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## Task 3: Viewing Sensor Data

## 10. How easy was it to find the data you were looking for?

*Mark only one oval.*

	1	2	3	4	5	
Very	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Easy

## 11. How clear was the presentation of sensor data?

*Mark only one oval.*

	1	2	3	4	5	
Not	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Extremely Clear

## 12. Comments on Task 3 (Please mention any difficulties or suggestions)

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## Task 4: Adjusting Sensor Settings

## 13. How easy was it to locate and adjust sensor settings?

*Mark only one oval.*

	1	2	3	4	5	
Very	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Easy

## 14. Were the instructions for adjusting settings clear?

*Mark only one oval.*☐ Yes☐ No

## 15. Did the system react in the way you would expect when updating sensor thresholds?

*Mark only one oval.*☐ Yes☐ No☐ Other: \_\_\_\_\_

## 16. Comments on Task 4 (Please mention any difficulties or suggestions)

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## Task 5: Creating an event

## 17. How easy was it to locate the events section?

*Mark only one oval.*

1   2   3   4   5

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Very ☐ ☐ ☐ ☐ ☐ Very Easy

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18. Was the purpose of an event clear to you?

*Mark only one oval.*

☐ Yes

☐ No

☐ Other: \_\_\_\_\_

19. Were the instructions for adjusting settings clear?

*Mark only one oval.*

☐ Yes

☐ No

☐ Other: \_\_\_\_\_

20. How easy was it to create/update an event?

*Mark only one oval.*

1   2   3   4   5

Very ☐ ☐ ☐ ☐ ☐ Very Easy

21. Did the system react in the way you would expect when an event was triggered?

*Mark only one oval.*

☐ Yes

☐ No

☐ Other: \_\_\_\_\_

22. When adding a scheduled time to an event, are you satisfied the the event triggered at the expected time?

*Mark only one oval.*

☐ Yes

☐ No

☐ Other: \_\_\_\_\_

23. Were the automation options clear?

*Mark only one oval.*

☐ Yes

☐ No

☐ Other: \_\_\_\_\_

24. Comments on Task 5 (Please mention any difficulties or suggestions)

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#### Task 6: Interpreting notifications

25. How easy was it to find the notifications?

*Mark only one oval.*

1   2   3   4   5

Very ☐ ☐ ☐ ☐ ☐ Very Easy

26. Did the notifications help you understand changes in the system while you were away?

*Mark only one oval.*

☐ Yes

☐ No

☐ Other: \_\_\_\_\_

### Overall System Usability

27. Overall, how intuitive did you find the system?

*Mark only one oval.*

1   2   3   4   5

Not ☐ ☐ ☐ ☐ ☐ Extremely Intuitive

28. Overall, how satisfied are you with the system's performance?

*Mark only one oval.*

1   2   3   4   5

Very ☐ ☐ ☐ ☐ ☐ Very Satisfied

29. How confident did you feel using the system?

*Mark only one oval.*

1   2   3   4   5

Not ☐ ☐ ☐ ☐ ☐ Very Confident



30. Would you recommend this system to others?

*Mark only one oval.*

- ☐ Yes
- ☐ No
- ☐ Maybe

31. Did the system function smoothly without lag or errors?

*Mark only one oval.*

- ☐ Yes
- ☐ No
- ☐ Somewhat

32. Do you think this system would help you learn about your plants needs?

*Mark only one oval.*

- ☐ Yes
- ☐ No
- ☐ Maybe

### Feedback and Suggestions

33. What did you like most about the system?

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34. What improvements or changes would you suggest for the system?

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35. Any additional comments or suggestions?

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