



**SRI LANKA
INSTITUTE OF INFORMATION TECHNOLOGY
25-26 JULY RP**

Research Project Periodic Log Entry Form

Project ID: 25-26J-299
Student ID: IT22358448
Name: Rajapaksha R. M. S. N. R.
Individual Component: Smart Rose : Early Disease Alerting System

Summary of RP work carried out during the reporting period.

Date	RP Work
01/11/2025 - 07/12/2025	Setup with all the sensors IoT sensor readings and integrated with Arduino.
08/11/2025 - 14/11/2025	Started to collect sensor data into micro-SD card module.

Supervisor's Comments

Student progressing well in research project: Yes / No

If No:

Project work to be carried out before next evaluation period:

Code base checked: Yes/No

Signature:

Date:

Digital Signer:Dr.
Junius Anjana
Date:30-Jan-26
17:36:45 +05:30



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Individual Component: Smart Rose : Early Disease Alerting System

Summary of RP work carried out during the reporting period.

Date	RP Work
15/11/2025 - 21/11/2025	Continue with sensor data collection while developing the backend of the application.
22/11/2025- 30/11/2025	Setup the MongoDB to store sensor data while store into the SD card as temporary view.

Supervisor's Comments

Student progressing well in research project: Yes / No

If No:

Project work to be carried out before next evaluation period:

Code base checked: Yes/No

Signature:

Date:

Digital Signer:Dr.
Junius Arjuna
Date:30-Jan-28
17:38:57 +05:30



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Date	RP Work
01/12/2025 - 07/12/2025	Started the integration of the backend with MongoDB while configuring the special functionalities. Started to train the ML model with the collected sensor data.
08/12/2025 - 14/12/2025	Started to develop the front end of the application. Develop the ML to retrieve predictions.

Supervisor's Comments

Student progressing well in research project: Yes / No

If No:

Project work to be carried out before next evaluation period:

Code base checked: Yes/No

Signature:

Date:

Digital Signer:Dr.
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Date:30-Jan-26
17:35:53 +05:30



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Date	RP Work
15/12/2025 - 21/12/2025	Prepared to PP1 while creating the video demo.
22/12/2025 - 31/12/2025	Started to collect sensor data with different parameters such as Nighttime, Raining Time.

Supervisor's Comments

Student progressing well in research project: Yes / No

If No:

Project work to be carried out before next evaluation period:

Code base checked: Yes/No

Signature:

Date:

Digital Signer: Dr.
Junius Arjuna
Date: 30-Jan-26
17:36:06 +05:30

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Date	RP Work
01/01/2025 - 07/01/2025	Started to collect data for reach paper writing while preparing to the PP1.
08/01/2025 - 14/12/2025	Started with the next steps for Greenhut solution while testing the system with house kept roses.

Supervisor's Comments

Student progressing well in research project: Yes / No

If No:

Project work to be carried out before next evaluation period:

Code base checked: Yes/No

Signature:

Date:

Digital Signer:Dr.
Junius Anjana
Date:30-Jan-26
17:36:19 +05:30



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Summary of RP work carried out during the reporting period.

Date	RP Work
15/01/2025 - 21/01/2025	Started with the research paper writing while collecting the information form the references.
22/01/2025 - 26/12/2025	Continue the research paper writing.

Supervisor's Comments

Student progressing well in research project: Yes / No

If No:

Project work to be carried out before next evaluation period:

Code base checked: Yes/No

Signature:

Date:

Digital Signer:Dr.
Junius Anjana
Date:30-Jan-26
17:36:32 +05:30



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Summary of RP work carried out during the reporting period.

Date	RP Work
01/02/2026 - 07/02/2026	Started rebuilding the development structure while ensuring the commercialization part as a one product.
08/02/2026 - 15/02/2026	Started to upgrade the component related device as product while improving form the PPI research pannel suggestions.

Supervisor's Comments

Student progressing well in research project: Yes / No

If No:

Project work to be carried out before next evaluation period:

Code base checked: Yes/No

Signature:

Date:

Digital Signer:Dr.
Junius Anjona
Date:25-Feb-26
17:58:51 +05:30



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Date	RP Work
13/2/2026 - 15/2/2026	Continue working on the research paper.
16/2/2026 - 23/2/2026	Working on modifying the DB to manage multiple greenhouses and devices.

Supervisor's Comments

Student progressing well in research project: Yes / No

If No:

Project work to be carried out before next evaluation period:

Code base checked: Yes/No

Signature:

Date:

Digital Signer:Dr.
Junius Anjana
Date:25-Feb-26
18:02:03 +05:30



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Summary of RP work carried out during the reporting period.

Date	RP Work
01/3/2026 - 07/3/2026	Setup the user base functionalities. User have one or more green houses. One green house has more devices. One device has more sensor readings.
08/3/2026 - 14/3/2026	Preparation for the PP2.

Supervisor's Comments

Student progressing well in research project: Yes / No

If No:

Project work to be carried out before next evaluation period:

Code base checked: Yes/No

Signature:

Date:

Digital Signer: Dr.
Junika Arjuna
Date: 02-Apr-25
08:54:38 +05:30



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Date	RP Work
15/3/2026 - 21/3/2026	Preparation for the Research Paper submissions while recreating on the required structure.
22/3/2026 - 31/3/2026	Submitting the research papers and applying for the competition while creating the demo video with all the products.

Supervisor's Comments

Student progressing well in research project: Yes / No

If No:

Project work to be carried out before next evaluation period:

Code base checked: Yes/No

Signature:

Date:

Digital Signer: Dr.
Junika Arjuna
Date: 02-Apr-28
08:54:50 +05:30



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Summary of RP work carried out during the reporting period.

Date	RP Work
01/4/2026 - 12/4/2026	Working on final product enhancements.
15/4/2026 - 17/4/2026	Working on deployment of the application.

Supervisor's Comments

Student progressing well in research project. Yes / No

If No:

Project work to be carried out before next evaluation period:

Code base checked: Yes/No

Signature:

Date:

Digital Signer:Dr.
Junius Arjuna
Date:21-Apr-25
08:48:07 +05:30



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Summary of RP work carried out during the reporting period.

Date	RP Work
20/4/2026 - 23/4/2026	Prepared the website portfolio.
24/4/2026 - 26/4/2026	Prepared the draft of the final thesis individual report.
27/4/2026 - 30/4/2026	Worked on final presentation preparations.

Supervisor's Comments:

Student progressing well in research project: Yes / No

If No:

Project work to be carried out before next evaluation period:

Code base checked: Yes/No

Signature:

Date:



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20/4/2026 - 23/4/2026	Prepared the website portfolio.
24/4/2026 - 26/4/2026	Prepared the draft of the final thesis individual report.
27/4/2026 - 30/4/2026	Worked on final presentation preparations.

Supervisor's Comments

Student progressing well in research project: Yes / No

If No:

Project work to be carried out before next evaluation period:

Code base checked: Yes/No

Signature: *A*

Date: *5/May/2026*

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