

Research project periodic Log Entry Form

Project ID – 25-26J-299

Student ID – IT22367594

Name – Bandara N G J C

Individual Component - Smart Health Advisor with Centralized Medical Record Access

Summary of RP work carried out during the reporting period

Date	RP Work
15/08/2025	Started searching for research papers related to my component from Research gate.
16/08/2025	Continue reviewing selected papers and noted down gaps, key findings relevant to my component.
18/08/2025	Drafted a survey questionnaire aimed both patients and hospital staff.
19/08/2025	Mapped the functional flow
21/08/2025	Began drafting the Abstract and Introduction section
22/08/2025	Worked on the literature survey, gathering information from reviewed papers and drafting research problem by analyzing real world scenarios.
24/08/2025	Drafted main objectives and specific objectives of the component.
25/08/2025	Drafted methodologies and identify project requirements.
26/08/2025	Finalized the use case diagram.

Supervisor's comments

Student progressing well in the Research Project : Yes / No

If No :

Project work to be carried out before next evaluation period.

Code based checked : Yes / No

Signature :

Datw : 28/Aug/2024

Research Project Periodic Log Entry form

Project ID - 25-26J-1299

Student ID - IT22367594

Name - Bandara N G J C

Individual Component - Smart Health Advisor With Centralized Medical Record Access

Summary of RP Work carried out during the reporting period

Date	RP work
29/08/2025	Prepared the remaining sections for proposal report Submission.
01/09/2025	Started getting ready for the proposal presentation, and Survey.
02/09/2025	Set up the slides following the evaluation rules.
04/09/2025	Began making the first slides for the problem definition, Proven gap, knowledge gap, and proposed solution.
05/09/2025	Prepared slides to point out the shortcomings of the existing system
07/09/2025	Drafted slides on application of specialization based knowledge and identified the key domains related.

09/09/2025

Documented latest technologies and also evaluation, validation approach and proposal justification sheet.

10/09/2025

Revised the presentation slides.

Supervisor's comments

Student progressing well in research project: Yes/No
IF NO:

Project work to be continued before next evaluation period:

Code based checked: yes/NO

Signature: 

Date: 11/Sep/2025

Research Project Periodic Log Entry Form

Project ID : 25-26J-299

Student ID : IT22367594

Name : Bandara N G J C

Individual Component : Smart Health Advisor with Centralized Medical Record Access

Summary of RP Work Carried out during the reporting period

Date	RP Work
28/09/2025 – 03/10/2025	Searching for research topics.
04/10/2025	Started to create components for selected topics
06/10/2025	Reviewed and refined both topics along with their four components.
07/10/2025	Searched and read research papers.
08/10/2025	Searched and read research papers.
09/10/2025	Searched and read research papers.
11/10/2025	Discussed 4 refined the topics with the team members.


Supervisor's Comments

Student progressing well in research project Yes / No

If No:

Project work to be continued before next evaluation period :

Code based checked : Yes / No

Signature : 

Date : 13/oct/2025



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

Research Project Periodic Log Entry Form

Project ID: 25-26J-299
Student ID: IT22367594
Name: Bandara N G J C
Individual Component: Smart Health Advisor with Centralized Medical Record Access

Summary of RP work carried out during the reporting period.

Date	RP Work
14/10/2025 – 15/10/2025	Researched post harvest handling and storage methods used by Sri Lankan florists for roses.
16/10/2025 – 18/10/2025	Defined the idea of an IoT based Smart Vase system for monitoring and predicting rose freshness using sensors and AI.
19/10/2025	Worked on the proposal report
20/10/2025	Prepared “Purpose” and “Expected Outcome” sections.
21/10/2025 – 22/10/2025	Identified required sensors and studied how to collect data for ML training.
23/10/2025 – 27/10/2025	Worked on the proposal report


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: 27/oct/2025



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

Research Project Periodic Log Entry Form

Project ID: 25-26J-299
Student ID: IT22367594
Name: Bandara N G J C
Individual Component: Smart Health Advisor with Centralized Medical Record Access

Summary of RP work carried out during the reporting period.

Date	RP Work
04/11/2025	Create presentation slides for the presentation.
05/11/2025 - 06/11/2025	Prepare for the presentation.
07/11/2025	Finalized hardware requirement list and purchased sensors and accessories.
08/11/2025	Watched tutorials on ESP32 sensor interfacing and installed required IDE , ESP32 board packages.
09/11/2025	Create wiring plan and watched tutorials.
10/11/2025 – 14/11/2025	Started to connect sensors and writing basic test code for the sensors.

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
17:38:26 +05:30



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

Research Project Periodic Log Entry Form

Project ID: 25-26J-299
Student ID: IT22367594
Name: Bandara N G J C
Individual Component: IoT Based Freshness Monitoring & Post harvest Management

Summary of RP work carried out during the reporting period.

Date	RP Work
15/11/2025	Started to code backend.
16/11/2025	Create database tables and check with postman.
18/11/2025 - 24/11/2025	Continued backend coding and connect IOT devices and backend.
25/11/2025 – 27/11/2025	Completed CRUD operations and Read data from the IOT 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:30-Jan-26
17:38:40 +05:30



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

Research Project Periodic Log Entry Form

Project ID: 25-26J-299
Student ID: IT22367594
Name: Bandara N G J C
Individual Component: IoT Based Freshness Monitoring & Post harvest Management

Summary of RP work carried out during the reporting period.

Date	RP Work
08/12/2025	Train vase life and score models with demo data from the Google Collab.
09/12/2025	Continued backend cording to give prediction.
11/12/2025 - 15/12/2025	Started Frontend cording.

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
17:37:34 +05:30



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

Research Project Periodic Log Entry Form

Project ID: 25-26J-299
Student ID: IT22367594
Name: Bandara N G J C
Individual Component: IoT Based Freshness Monitoring & Post harvest Management

Summary of RP work carried out during the reporting period.

Date	RP Work
15/12/2025 - 17/12/2025	Improved IoT sensor readings and calibration.
18/12/2025 - 20/12/2025	Tested system with real sensor data.
21/12/2025 - 23/12/2025	Tested system by adding flowers to the vase and Improved freshness prediction logic and data handling.
27/12/2025	Started creating presentation slides for PP1.

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
17:37:47 +05:30



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

Research Project Periodic Log Entry Form

Project ID: 25-26J-299
Student ID: IT22367594
Name: Bandara N G J C
Individual Component: IoT Based Freshness Monitoring & Post harvest Management

Summary of RP work carried out during the reporting period.

Date	RP Work
29/12/2025 - 01/01/2026	Continued preparation of PP1 presentation slides.
02/01/2026 - 06/01/2026	Final testing of IoT system, backend, and frontend for PP1.
07/01/2026	Conducted Proposal Presentation 1
10/01/2026 - 15/01/2026	Started writing the research paper and documentation.

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
17:38:00 +05:30



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

Research Project Periodic Log Entry Form

Project ID: 25-26J-299
Student ID: IT22367594
Name: Bandara N G J C
Individual Component: IoT Based Freshness Monitoring & Post harvest Management

Summary of RP work carried out during the reporting period.

Date	RP Work
16/01/2026 - 25/01/2026	Prepared the research paper with an introduction, literature review, methodology, results and analysis, discussion, conclusion, future work, abstract, and references.
26/01/2026 - 27/01/2026	Started doing modifications to the research paper, according to the feedback given by the supervisor and the co-supervisor.

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
17:38:13 +05:30



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

Research Project Periodic Log Entry Form

Project ID: 25-26J-299
Student ID: IT22367594
Name: Bandara N G J C
Individual Component: IoT Based Freshness Monitoring & Post harvest Management

Summary of RP work carried out during the reporting period.

Date	RP Work
01/02/2026 - 06/02/2026	Started to recreate the database structure based on updated system requirements.
07/02/2026 - 12/02/2026	Upgraded hardware components and improved the IoT device configuration. Refined system architecture and dashboard features based on PP1 research panel 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 Anjana
Date:25-Feb-26
17:59:06 +05:30



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

Research Project Periodic Log Entry Form

Project ID: 25-26J-299
Student ID: IT22367594
Name: Bandara N G J C
Individual Component: IoT Based Freshness Monitoring & Post harvest Management

Summary of RP work carried out during the reporting period.

Date	RP Work
13/02/2026 - 15/02/2026	Continuously working on research paper improvements and preparing for conference submission.
16/02/2026 - 23/02/2026	Continuously working on system development, including database restructuring, IoT device integration, backend improvements, and dashboard feature enhancements.

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
18:02:16 +05:30



SRI LANKA
INSTITUTE OF INFORMATION TECHNOLOGY
25-26 JULY RP

Research Project Periodic Log Entry Form

Project ID: 25-26J-299
Student ID: IT22367594
Name: Bandara N G J C
Individual Component: Smart Rose: IoT Based Freshness Monitoring & Post harvest Management

Summary of RP work carried out during the reporting period.

Date	RP Work
01/3/2026 - 07/3/2026	Working on multi - user, multi greenhouse concept and final product development.
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.
Junius Anjana
Date:02-Apr-26
06:55:01 +05:30

E-mail: info@sliit.lk

URL: www.sliit.lk



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

Research Project Periodic Log Entry Form

Project ID: 25-26J-299
Student ID: IT22367594
Name: Bandara N G J C
Individual Component: Smart Rose: IoT Based Freshness Monitoring & Post harvest Management

Summary of RP work carried out during the reporting period.

Date	RP Work
15/3/2026 - 21/3/2026	Working on Research Paper submissions.
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.
Junius Anjana
Date:02-Apr-26
06:55:13 +05:30

E-mail: info@sliit.lk

URL: www.sliit.lk



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

Research Project Periodic Log Entry Form

Project ID: 25-26J-299
Student ID: IT22367594
Name: Bandara N G J C
Individual Component: Smart Rose: IoT Based Freshness Monitoring & Post harvest Management

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 Anjana
Date:21-Apr-26
08:46:22 +05:30

E-mail: info@slit.lk

URL: www.sliit.lk



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

Research Project Periodic Log Entry Form

Project ID: 25-26J-299
Student ID: IT22367594
Name: Bandara N G J C
Individual Component: Smart Rose: IoT Based Freshness Monitoring & Post harvest Management

Summary of RP work carried out during the reporting period.

Date	RP Work
18/4/2026 - 23/4/2026	Completed the deployment and hosting of the application.
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: 5/May/2026