

CDE2243 INTERNET OF THINGS PROJECT (25%)

Course Code	CDE2243	Course Name	Internet of Things (IoT)
Instructor(s)	Ts. Mohd Zulkifli Mohd Zaki (Lead) Madam Halawati Abdul Jalil Safuan (Co-Lead)		
Semester/Year	1/2025-2026	Week	Week 14
Assessment	Project	Marks/Weightage	100 marks / 25%
Course Learning Outcome (CLO)	CLO3: Assemble an IoT-based device or a system equipped with the necessary hardware and software to interact with the environment for simple real-life applications (P5, PLO3)		

Self-Reflection Assessment Form

Group Name : Always Smart Home

Student Name : Aria Firmansyah

Student ID : AIU22102315

Instructions:

Please complete this self-assessment honestly and thoughtfully. Your responses will help assess your understanding and application of ethical principles during group collaboration.

Part A: Reflection on Your Role and Responsibilities

- Describe your role and responsibilities in the group project.

What specific tasks were you assigned, and how did you carry them out?

My role in this project as project manager, i am the one who decide and give a flow to my member
what should we do and so on. and i am also the one who do the code for Arduino and do
integrating with python camera and connect it into mqttx and do a dashboard via node-read.

- How did you ensure that your contributions respected the ethical principles of transparency, accountability, and fairness?

I ensured transparency by communicating progress clearly with my team, took accountability for
my assigned tasks, and maintained fairness by considering all team members' contributions and
avoiding bias in system development.

3. Did you face any ethical challenges during the project (e.g., disagreements, workload imbalance, fairness concerns)? If so, how did you respond?

Yes, we faced minor workload imbalance during the project. We resolved it through discussion, redistributed tasks fairly, and supported each other to ensure all members contributed equally.

Part B: Group Ethics and Dynamics

4. How well did your group apply ethical practices in collaboration (e.g., respectful communication, fair task distribution, handling conflicts)?

Our group applied ethical practices well by maintaining respectful communication, distributing tasks fairly, and resolving conflicts through discussion and mutual agreement

5. What would you do differently in future group projects to improve your ethical contribution?

In future projects, I would improve task planning and communication to ensure workload distribution is clearer and collaboration remains fair and transparent.

Part C: Self-Evaluation (Rate yourself)

Rate your performance in the following areas using this scale:

5 – Excellent | 4 – Good | 3 – Fair | 2 – Poor | 1 – Very Poor

Criteria	Rating (1–5)	Justification (1–2 sentences)
Task Fulfillment		
Ethical Behavior		
Communication		
Collaboration		
Accountability		

Part D: Declaration of Originality

I hereby declare that the information provided in this self-reflection form is true, accurate, and reflects my honest evaluation of my contributions and ethical conduct during the group project.

Signature : _____

Date : _____