

Report

Criteria	Description	Marks	Excellent	Good	Satisfactory	Unsatisfactory
1. Hardware Design & Technical Understanding	Understanding of system hardware, microcontroller, sensor/actuator roles, circuit flow, block diagram explanation.	/6	6 marks: Very clear and detailed explanation of all components and hardware architecture, strong understanding shown.	4-5 marks: Good explanation with minor missing details.	2.5-3.5 marks: Basic explanation, several unclear components or connections.	0-2 marks: Poor or incorrect explanation, misunderstanding of hardware.
2. Methodology & Implementation (Hardware + Code)	Describes wiring, circuit connections, interfacing steps, and code implementation.	/4	4 marks: Method clearly described; proper wiring; working implementation, code and hardware integrated smoothly.	3 marks: Mostly correct implementation with small issues; steps explained reasonably.	2 marks: Partial implementation; unclear wiring or incomplete description.	0-1 marks: Major errors, non-functional system, or missing method.
3. Output Testing & Problem Solving	Demonstration of output, testing steps, screenshots/photos, troubleshooting, and fixing issues.	/4	4 marks: Outputs demonstrated clearly, proper testing, shows strong troubleshooting and problem-solving.	3 marks: Outputs mostly correct, minor testing gaps, some problem-solving shown.	2 marks: Limited testing, unclear outputs, problem-solving weak.	0-1 marks: No proper testing, outputs missing, no troubleshooting discussed.

4. Originality & Project Contribution	additional features, purposeful engineering decisions.	/2	2 marks: Shows originality or smart design choices; meaningful contribution.	1.5 marks: Some creativity or good improvements.	1 marks: Minimal originality.	0 marks: No contribution; basic copy of existing designs.
5. Report Quality & Documentation	Presentation, grammar, clarity, diagrams, circuit layout, photos, code description.	/2	2 marks: Well-organized, clear diagrams/photos, neat formatting, professional writing.	1.5 marks: Good writing with minor issues; diagrams adequate.	1 marks: Adequate but messy or missing visuals.	0 marks: Poor writing; missing diagrams; unclear documentation.
6. Individual Contribution Table	Who wrote which part.	/1	1 marks: Very clear and detailed table.	0.75 marks: Clear with few gaps.	0.5 marks: Basic or vague.	0 marks: Missing.
7. Completeness & Submission Compliance	Following earlier instructions: softcopy + hardcopy, annexure, rubric attached, code PDF double-sided only.	/1	1 marks: Fully compliant.	0.75 marks: Minor missing items.	0.5 marks: Several missing items.	0 marks: Major issues or incomplete submission.