| **Task/Activity** | **Tim** | **Antonio** | **Jorge** | **Merle** | **David** |
| --- | --- | --- | --- | --- | --- |
| Validate camera hardware performance | I | C | I | R/A | I |
| Create fine-tuned dataset | I | R | I | A | I |
| Database design (MongoDB) | C | R | C | A | C |
| Dashboard development (Grafana/Node-RED) | C | I | R | A | I |
| Unit/integration testing | C | I | R | A | I |
| Documentation & user requirements | C | C | C | C | R/A |
| Gantt chart creation | I | I | I | A | R |
| RACI chart creation | C | C | C | A | R |
| Software architecture design | I | R | C | A | I |
| Alerting system setup (MQTT) | I | C | R | A | I |
| Model Training(YOLO v11) | C | C | I | R/A | I |

**Key**:

* **R** = Responsible (executes the task)
* **A** = Accountable (final approval/ownership)
* **C** = Consulted (provides input)
* **I** = Informed (receives updates)