

1. Product Backlog, Sprint Schedule, and Estimation:

Product Backlog:

User Story ID	User Story Description	Priority	Estimated Story Points	Notes
1	Collect and label weapon dataset	High	5	
2	Preprocess image data	Medium	3	
3	Train YOLO model on weapon dataset	High	8	
4	Integrate YOLO with detection system	High	5	
5	Implement alert/notification system	Medium	5	

Sprint Schedule:

Sprint ID	Start Date	End Date	Committed Stories	Velocity	Notes
1	11/03/2023	11/05/2023	2	10	Initial setup and data prep
2	11/06/2023	11/07/2023	3	15	YOLO model training
3	11/07/2023	11/08/2023	2	12	Integration and testing

Estimation:

- Velocity per sprint: 10 story points (example, adjust based on team capacity)
- Total story points in product backlog: 26

2. Project Tracker, Velocity & Burndown Chart:

Project Tracker:

Task ID	Task Description	Assigned To	Status	Notes
1	Set up development environment	Dev 1	In Progress	
2	Collect weapon dataset	Dev 2	Completed	1000 labeled images obtained
3	Preprocess image data	Dev 1	Not Started	Waiting for dataset completion

Velocity & Burndown Chart:

Sprint ID	Planned Velocity	Actual Velocity	Remaining Story Points	Burndown Rate
1	10	8	18	2
2	15	-	-	-

Reference Material Links:

- [Agile Methodology](#)
- [Scrum Guide](#)
- [YOLO \(You Only Look Once\) Algorithm](#)