## 

Sprint # Review

May 1, 2025 - May 8, 2025

Manifetch

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## 

## Overview

The main goal of this sprint was to brainstorm, evaluate, and formalize two distinct project ideas into structured proposal documents. Each member contributed to idea development, literature research, and proposal writing. By the end of the sprint, both topics were fully documented with clear objectives, expected outcomes, and preliminary methodologies, ready for supervisor evaluation and selection.

| **Meeting Name** | **Date of Meeting** | **Notes** |
| --- | --- | --- |
| Project Kickoff | 02.10.25 | [Meeting\_Notes\_project\_kickoff\_sprint1](https://docs.google.com/document/d/13uzrzpjoUwWpKm15G4b5udzMXer2DAwq6WXE6cbTlPw/edit?tab=t.0#heading=h.twiotih51ptd) |
| Sprint 1 | 16.10.25 | [Meeting\_Notes\_1\_sprint1](https://docs.google.com/document/d/1PF2fQjWR3pQPPF7wLfQ2LtcGBH9O6ydG_2JPTrR3PXo/edit?tab=t.0#heading=h.twiotih51ptd) |

## Sprint Board

| **Title** | **Status (To Do/In Progress/Done)** | **Estimated Story Points** | **Assignee** |
| --- | --- | --- | --- |
| Brainstorm project ideas | Done | 3 | Team |
| Select top 2 ideas | In Progress | 2 | Team |
| Research related work for idea #1 | Done | 3 | Neva, Sena |
| Research related work for idea #2 | Done | 3 | Merve, İrem |
| Write proposal for idea #1 | Done | 4 | Neva, Sena |
| Write proposal for idea #2 | Done | 4 | Merve, İrem |
| Format and submit proposals | Done | 2 | Team |

## Sprint Issues

### Şevval Neva Varol & Sacide Sena Filiz

#### Research and Drafting of Proposal 1

* Description: Conducted literature review on RF fingerprinting and spoofing detection. Defined problem statement, objectives, scope, and challenges. Prepared a detailed proposal focusing on technical feasibility and usability through a real-time dashboard.
* Acceptance Criteria: Proposal completed with a clear structure, aligned with project requirements, and ready for submission.
* Progress: Completed.
* Blockers: The company did not provide an official proposal or hardware allocation feedback yet, leading to uncertainty about real SDR usage in the prototype.

### Merve İçkilli & İrem Onaran

#### Research and Drafting of Proposal 2

* Description: Explored public datasets (IMM, Ortana A.Ş., Google APIs) and machine learning models (Random Forest, LSTM). Drafted proposal emphasizing predictive analytics for traffic optimization and smart city integration.
* Acceptance Criteria: Proposal complete, well-researched, and technically feasible using open data sources.
* Progress: Completed.
* Blockers: The approach relied solely on AI model performance metrics for evaluation, without real-world validation. This caused uncertainty in the project’s practical impact and evaluation strategy.

## Sprint Results

### Story Points Completed: 13

## Next Sprint Preview

### Proposed Sprint Goal

Finalize the project topic and scope, define four main use cases with related user stories, and complete the required report sections (1, 4, 7, 8, 9) for submission.

### Backlog Items for Next Sprint

| **Title** | **Story Points** | **Assignee** |
| --- | --- | --- |
| Decide on final project topic based on team discussion | 5 | Team |
| Define detailed project scope and objectives | 3 | Team |
| Prepare 4 high-level use cases and corresponding user stories | 2 | Team |
| Review and finalize scope during mid-week meetings | 2 | Team |
| Complete report Sections 1, 4, 7, 8, 9 according to sprint plan | 3 | Team |
| Commit and update documents regularly on GitHub | 2 | Team |
| Upload final versions to Drive folder “1.11.2025” | 1 | Team |

Conclusion

[[manifetch] Retro Template](https://docs.google.com/spreadsheets/d/1CdW9qOGOpKzJNSgwcASLZYFJiwH8IXCIi1-4DMHI4nU/edit?gid=0#gid=0)