instituto de telecomunicações

DroneRelay:

Aerial Drone Platform with relays for scenarios of limitation and emergency

Project in informatics engineering
2020/2021

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Tasks

1

Analysis and Planning

- Analysis on previous project implementation

- Study Technologies

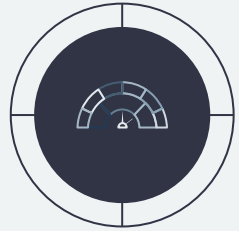
José, Guilherme
João, Diogo

2

Network Monitoring

- Development of a network monitoring sensor.

- Network statistics analysis



José,Guilherme

3

Relay And Video System

- Improve drone relay

- Automatically adapt frequency and quantity of telemetry, sensors and video quality information

José,Guilherme,
João, Diogo

Tasks

4

Dashboard Implementation

- Dashboard for drone control, mission planning and displaying live camera feed.

João, Diogo

5

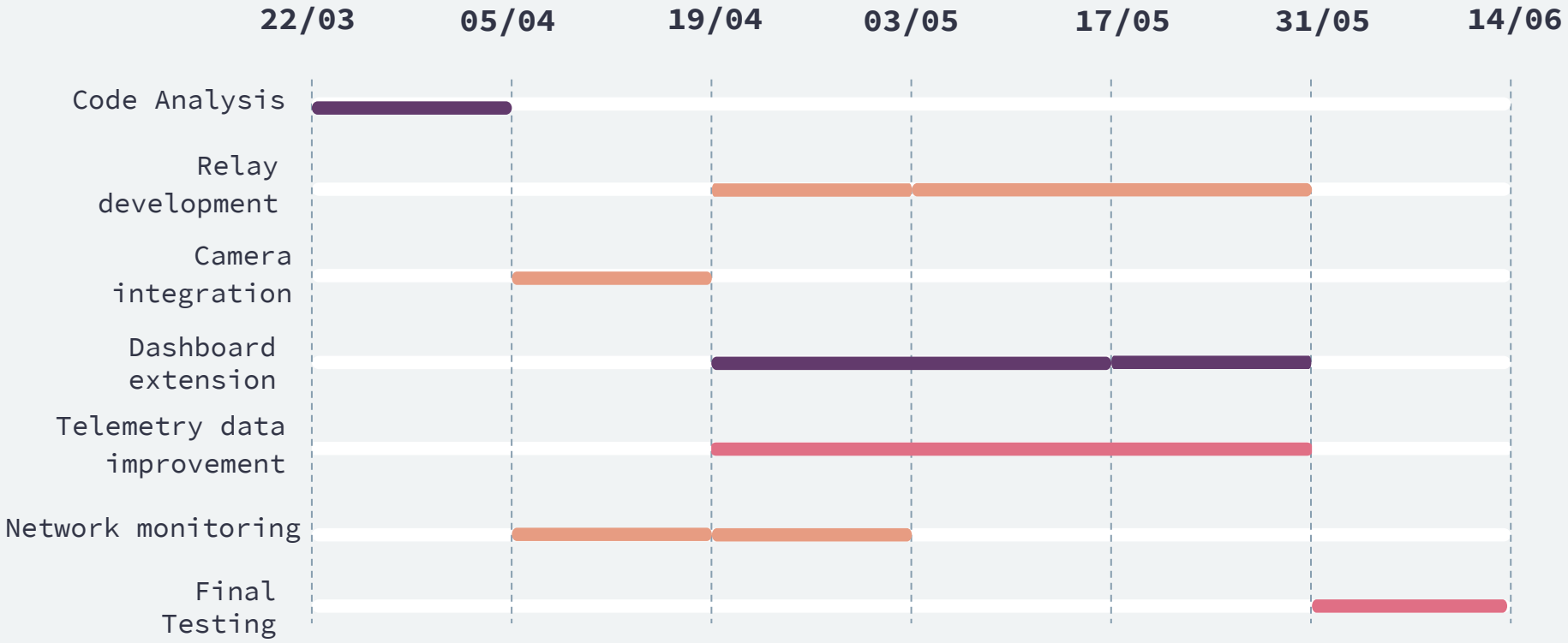
Field Testing

- Live testing of relay and video transmission via dashboard

- Live mission with all working components

José, Guilherme
João, Diogo

Project schedule



Milestones

- M1: presentation of the lifecycle objectives and calendar for the project
- M2: presentation of the lifecycle architecture
- M3: prototype
- M4: project presentation