Week	Start Date	Due Date	Module	Task	Description	Assignees	Deliverables
1	2/11/2025	2/18/2025	Planning	Choose the project theme	Select a theme from the themes list and talk to the orientator (prof. Osvaldo Rocha Pacheco)	All the group members	M1: presentation of the lifecycle objectives and calendar for the project
				Study related work	Read the master's dissertation by Pedro Monteiro; Search for more information and tools		
2	2/18/2025	2/25/2025	Organizing	Project presentation	Identify the context, problem, goals and related work	Francisco Albergaria + Guilherme Amaral	
				Project calendar	Identify the tasks and assignments	Francisca Silva	
				Project website	Setup the documentation site and build it	David Amorim	
				Start project report		Francisco Albergaria + Guilherme Amaral	
				Figma prototype	Start figma prototype	Gabriel Vieira + João Gaspar	
3	2/25/2025	3/4/2025	Architecture	Plan project architecture		João Gaspar	M2: presentation of the lifecycle architecture; the milestone is achieved when the architecture has been validated.
				Define requirements + uses cases and personas	Functional and non-functional requirements	Guilherme Amaral	
				Figma prototype	End figma prototype	Gabriel Vieira + João Gaspar	
				Study YOLO Algorithms	Detection, Segmentation and Tracking	David Amorim	
				Diagrams		Francisco Albergaria	
				Github Project Backlog		Francisca Silva	
4	3/4/2025	3/11/2025	Setup	Setup for frontend implementation		Francisca Silva + Francisco Albergaria	
				Setup for backend impelentation		David Amorim	
				Define and Setup the database		Guilherme Amaral	
				Frontend - Cameras page	Cameras page	Gabriel Vieira + João Gaspar	
				Backend - Cameras page		David Amorim	
				Study Algorithms		All the group members	
				Project website - M2	Update the project website for the M2	David Amorim + Francisca Silva	
				Project presentation - M2	Update the presentation for the M2	All the group members	
5	3/11/2025	3/18/2025	Development Weapon detection + authentication	Implement an algorithm to identify weapons	Identify a weapon	David Amorim	M3: prototype; mid-term presentation with supervisors; peer evaluation.
				Train the algorithm for weapon identification		Gabriel Vieira	
				Frontend - Authentication pages	Implement an authentication system to limit access to cameras and data	João Gaspar + Francisco Albergaria	
				Backend - Authentication System		Francisca Silva + Guilherme Amaral	
				Update the report and documentation		All the group members	
6	3/18/2025	3/25/2025	Development Person Segmantation + Account management	Implement an algorithm for person segmentation	Identify a suspect and highlight the precise outline	Francisca Silva	
				Backend - User selection of a person		David Amorim	
				Frontend - CRUD for account (Admin) Page	Implement an account management system for admins	Francisco Albergaria + Guilherme Amaral	
				Backend - CRUD for accounts (Admin)		Gabriel Vieira + João Gaspar	
				Update the report and documentation		All the group members	
7	3/25/2025	4/1/2025	Development Characteristics of a person	Implement an algorithm for extract characteristics	Extract characteristics in people that allow re-identifying these people in different images.	David Amorim + Francisca Silva + João Gaspar	
				Frontend - Show Personal characteristics		Francisco Albergaria	
				Backend - Get Personal characteristics		Guilherme Amaral	
8	4/1/2025	4/8/2025		Database - Person characteristics		Guilherme Amaral	
				Test - Person characteristics		Gabriel Vieira	
				Update the report and documentation		All the group members	
				Project website - M3	Update the project website for the M3	David Amorim + Francisca Silva	
				Project presentation - M3	Update the presentation for the M3	All the group members	
9	4/8/2025	4/15/2025	Development Reidentification	Implement an algorithm for reidentification	Reidentification of people in images collected by different cameras.	David Amorim + Francisca Silva + João Gaspar	
				Database - Storing and processing data		Guilherme Amaral	
				Backend - Show the camera where the person is		Francisco Albergaria	
				Test - Person reidentification		Gabriel Vieira	
				Update the report and documentation		All the group members	
10	4/15/2025	4/22/2025	Development Tracking	Backend - Get the places where the person was	Map the person's movement on a map, keeping the person's marking in the different images collected	Francisco Albergaria + João Gaspar	
				Frontend - Map with the places where the person was		David Amorim + Francisca Silva	
11	4/22/2025	4/29/2025		Database - Processing data		Guilherme Amaral	
				Test - Person tracking		Gabriel Vieira	

#	Start	End	Phase	Task	Description	Responsible	Milestone
				Update the report and documentation		All the group members	
12	4/29/2025	5/6/2025	Development Extra Features	Implementation of the extra features - Frontend		TBD	
				Implementation of the extra features - Backend		TBD	
				Test - Extra Features		Gabriel Vieira	
				Update the report and documentation		All the group members	
13	5/6/2025	5/13/2025	Development Final improvements	Final Improvements - Frontend		TBD	M4: project presentation; all functionality has been developed!
				Final Improvements - Backend		TBD	
				Frontend - About us page		Francisco Albergaria	
				Frontend - Clean Code		TBD	
				Backend - Clean Code		Guilherme Amaral	
				Test - Final Improvements		Gabriel Vieira	
				Update the report and documentation		All the group members	
14	5/13/2025	5/20/2025	Evaluate system performance	Metric to evaluate : detection	Evaluate system performance using metrics	Gabriel Vieira	
				Metric to evaluate : segmentation		Francisco Albergaria	
				Metric to evaluate : tracking		João Gaspar	
				Metric to evaluate : other(s)		David Amorim + Francisca Silva + Guilherme Amaral	
				Update the report and documentation		All the group members	
15	5/20/2025	5/27/2025	Demo + poster for students@deti & video	Demo	Promove our work	Gabriel Vieira + João Gaspar	
				Poster		David Amorim + Francisca Silva	
				Video		Francisco Albergaria + Guilherme Amaral	
				Make the project communication		Francisco Albergaria + Guilherme Amaral	
				Update the report and documentation		All the group members	
16	5/27/2025	6/3/2025	Final presentation	Final project presentation	Update the presentation for the M4	All the group members	
				Project website - M4	Update the project website for the M4	David Amorim + Francisca Silva	
				Final project deployment		João Gaspar	
-------	6/3/2025	-------	Students@Deti	Present our work		All the group members	Students@Deti