WEEK	DATE	TASK	DELIVERY
1	20/02/2024		
2	27/02/2024	• **Study of the various types of sensors and the types of data generated** • **Study and analysis of SUMO and CARLA software** • **Analysis of requirements**	**M1**
3	05/03/2024	**Architecture design for integration of simulators and real data:** develop the architecture design that will allow the connection between the simulators (SUMO and CARLA), viewers and data from sensors, systems and connected vehicles. Conceptual phase where the global structure of the system will be outlined.	
4	12/03/2024	**Development of connectors and frameworks :** Implement connectors and frameworks utilizing technologies like REST, ROS2, and MQTT, enabling efficient communication between system components.	**M2**
5	19/03/2024	**Integration of real data and several roads/areas in Aveiro:** Ensure the simulation reflects the actual urban environment of Aveiro for accurate testing and analysis.	
6	26/03/2024		
7	02/04/2024	**Development of the services:** e.g. change of characteristics in roads, multi-modal services, autonomous vehicle services	
8	09/04/2024		
9	16/04/2024		**M3**
10	23/04/2024	**Tests in Digital Twin Setup and stimulate changes in the environment:** Conduct comprehensive tests within the Digital Twin setup, simulating dynamic scenarios to assess the platform's responsiveness to environmental changes.	**M3**
11	30/04/2024		
12	07/05/2024	**Analysis of results and documentation:** Evaluate the outcomes of tests, analyze data, and document findings, ensuring a systematic and comprehensive understanding of the project's progress.	
13	14/05/2024		
14	21/05/2024		
15	28/05/2024		**Demo + Poster**
16	04/06/2024		**M4**