Working Weeks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	25
Start of the week	2-dec	9-dec	17-dec	24-dec	31-dec	7-ian	14-ian	21-ian	28-ian	4-febr	11-febr	18-febr	25-febr	4-mar	11-mar	18-mar	25-mar	1-apr	8-apr	15-apr	22-apr	29-apr	6-mai	13-mai	22-mai	29-mai	5-iun	12-iun	19-iun
Working package for sensing and input	Document provided guides and projects Select main languages and technologies Create or update the project plan Assign tasks to team members	Camera management, image preprocessing, noise reduction, and defining regions of interest (ROIs)				Sensor selection, use-case definition, integration (IMU, distance), preprocessing, and noise reduction																							BFMC
						Define the use-case and test server data (map localization, car interaction, GPS integration)																							
																Introduce noise to all sensors and systems									Additional features and optimizations			
Working package for perception and scene understanding		Lane detection			Intersection detection			Traffic sign detection				Traffic light detection																	
										Position integration						Traffic light detection and classification													
												Create an object properties file				Object detection and classification													
												Interaction with the environmental server																	
																									Additional features and optimizations				
Working package for behavior and motion planning		Define the project architecture and the communication flow between packages						Define path planning and its validation				Define robustness and safety protocols																	
								Define decision-making process, including action priorities and state flow																					
																Induce noise on systems to valdiate robustness (loss of image, burned image, road search, undefined objects and states)									Additional features and optimizations			
Working packages for vehicle control		Lane tracking and speed regulation						Intersection navigation and handling				Basic maneuvers (parking, stopping for traffic signs, traffic lights and pedestrians)				Complex maneuvers (lane changing for static and moving vehicles, road scanning)													
																									Additional features and optimizations				
Final result and demonstration	The team can remotely control the physical car and operate the virtual car in the simulator	The robot can maintain its lane and navigate curves						The robot can navigate through intersections				The robot can follow a pre-determined path, stop at stop signs, park at parking spots, and slow down at crosswalks				While detecting and calculating its position, the robot can dynamically navigate to specified checkpoints, respond to traffic lights, interact with other vehicles, and send environmental data												
		The team designs and constructs its own physical testing setup			Team defines a way of parallel developing and testing																								
		The team sets up the virtual testing environment																											
																									Additional features and optimizations				
Deadlines		16-dec					20-ian				17-febr				17-mar					21-apr				21-mai					25-iun
Checkpoint		1st		Christmas brake			2nd				3rd				Qualifications					4th				5th					Finals