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
start of the week	2-dic	9-dic	16-dic	23-dic	30-dic	6-ene	13-ene	20-ene	27-ene	3-feb	10-feb	17-feb	24-feb	3-mar	10-mar	17-mar	24-mar	31-mar	7-abr	14-abr	21-abr	28-abr	5-may	12-may	19-may	21-may
Working Package																										
Sensing and input	Kick off	Having control of the camera for procesing image, Selecting the region of interest and reduction of noise																								
				identifying inputs and conecting to an output					integration (IMU, distance), preprocessing, noise cancelling										Induce noise on all sensors and systems				Other functionalities and optimizations - TBD			
				Defining sensors to incorporate					Define use-case and test given servers information (localisation on map, cars interaction, gps interaction)																	
									Speed control at the highway entry/exit sign																	
Perception and scene understanding			Lane detection			Intersection detection						Traffic lights detection & classification														
						Traffic lights detection							Position fusion										Other functionalities and optimizations - TBD			
						Lane keeping																				
						Object detection (pedestrians or cars ahead)							Object detection & classification													
													Define objects properties file													
													Environmental server interaction													
Behaviour and motion plan		Define project architecture and communication between packages																								
								Path planning															Other functionalities and optimizations - TBD			
									Define priorities and safety measures																	
Vehicle control									Simpla action taking maneuvers (parking, stop for traffic sign, stop for traffic light, stop for pedestrian)							Complex action taking maneuvers (swith lane for static and mobile car, road search)										
													Robot can go on a pre-determined path, stop at stop sign, park at parking sign, slow at crosswalk			While detecting and calculating it's position, the robot can dynamicaly go to specified checkpoint, react to traffic lights, interact with other cars and send environemt data)					Other functionalities and optimizations - TBD			
		Installing and testing simulator							Robot can navigate in intersection																	
		Deciding and assembling phisical testing environment																								
						Team defines a way of parallel developing and testing																				
deadline			16-dic					20-ene				17-feb				17-mar					21-abr					21-may
checkpoint			1st report	Christmas brake				2nd report				3rd report				Qualification					4th report					5th report
Expected			Control de car with the given start-up code					Link the input data to a rough output				Shown in-depth algorithmic approaches				Autonomous features					Autonomous features almost complete					Autonomous features complete