Working Weeks	0	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
Week	24-nov a 1-dic	2-dic. a 8-dic.	9-dic. a 15-	16-dic. a 22-d	23-dic. a 29-dic.	30-dic. a 5	6-ene. a 12	13-ene. a 1	20-ene. a 2	27-ene. a 2	3-feb. a 9-f	10-feb. a 16-fe	17-feb. a 2	24-feb. a 1	3-mar. a 9-	10-mar. a	17-mar. a	24-mar. a	31-mar. a 6	7-abr. a 13	14-abr. a 2	21-abr. a 2	28-abr. a 4	5-may a 11	12-may a 1	19-may a 21-may
Project management and planning	Read and understand the given documentation Create project plan Prepare virtual testing environment		Find sponsors, promote our image on social media and organize weekly meetings																							
Sensing and input working package		Define other necessary sensors	Camera handling, preprocessing, noise cancelling, ROIs definition						Define use-case, integration (IMU, distance), preprocessing, noise cancelling.								Induce noise on all sensors and systems					Other functionalities and optimizations				
			Define use-case and test given servers information																							
Perception and scene understanding working package		Chose main languages and technologies	Lane detection			Intersection detection				Traffic sign detection			Traffic light detection				Traffic lights detection & classification					Other functionalities and optimizations				
												Position fusion														
													Define objects properties file				Object detection & classification									
													Environmental server interaction													
Behaviour and motion plan working package		RI5 code deployment and vehicle control	Define project architecture and communication between packages						Define path planning and validation				Define robustness and safety measures				Induce noise on systems to valdiate robustness					Other functionalities and optimizations				
									Define decision making --> priorities of actions and state flow																	
Vehicle control working packages			Lane following and speed control						Intersection navigation				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)					Other functionalities and optimizations				
Miscelaneous			Prepare physical testing environment																			Other functionalities and optimizations				
			Hardware acquisition																							
			3D modeling																							
Final result & Demo	All team members understand the car system, the project's organization at a high level and can control physical and remotely the car		Team have the necessary hardware to support our architecture				Robot can keep a lane, can make a curve			Robot can navigate in intersection			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				
			Team defines a way of parallel developing and testing				Team defines and creates it's own phisical testing environment																			
Deadlines			16-dec					20-jan				17-feb				17-mar					21-apr					21-may
Checkpoint			1st report					2nd report				3rd report				Mid-term quality gate					4th report					5th report