	#Week	1	3	5	7	9
	Task	Task 1	Task 2	Task 3	Task 4	Task 5
	Short Summary	Create SysML diagrams for specific scenarios, cosidering timing behaviors.	• Specify an appropriate protocol for each scenario • Use Timed Automata and UPPAAL for the model-based specification	• How can the distance to the precedence truck be guaranteed • What happen in cases of a e.g. communication failure - > is yur system robust / still stable? • Use Timed Automata and UPPAAL for the model-based specification	Implementation of an appropriate learning algorithm (using Scikit) for determining the leader vehicle (and maybe even more)	Implement a simulation environment • Specify an appropriate environment • Implement the specified scenarios including an integration with task 4.
Asm Nurussafa	To-do	Work on scenario- Avoiding intruder vehicles. 1) Create SysML Requirements diagram for this scenario. 2) Create SysML Sequence diagram for this scenario. 3) Create SysML Block diagram for this scenario. Deadline: 07.04.22	Work on scenario- Avoiding intruder vehicles. 1) Refine Diagrams 2) Implement avoiding intruder vehicle in Uppal & Timed Automata Deadline: 27.04.22	Work on scenario - Platooning and avoiding intruder vehicles. 1) Refine previous week's in timed automata and UPPAAL. 2) Implement control behavior of platooning in timed automata and UPPAAL. Deadline: 12.05.22	Implementation of an appropriate learning algorithm (using Scikit) Deadline: 27.05.22	Implementation of Platooning using SUMO environment. Deadline: 17.06.22
	Status	Completed	Completed	Completed	Completed	Completed
Tasawar Siddiquy	To-do	Work on scenario-Maintaining distance between trucks and regulating Speed 1) Create SysML Requirements diagram for this scenario. 2) Create SysML Sequence diagram for this scenario. 3) Create SysML Block diagram for this scenario. Deadline: 07.04.22	Work on scenario-Maintaining distance between trucks and regulating Speed 1) Refine Diagrams 2) Uppal Timed Automata Deadline: 27.04.22	Work on scenario - Maintaining distance between trucks and regulating speed. 1) Refine previous week's in timed automata and UPPAAL. 2) Implement control behavior of maintaing constant spacing in timed automata and UPPAAL. 3) Implement what happens in case connection failure. Deadline: 12.05.22	Implementation of an appropriate learning algorithm (using Scikit) Deadline: 27.05.22	Implementation of Platooning using SUMO environment. Deadline: 17.06.22
	Status	Completed	Completed	Completed	Completed	Completed
Arfat Kamal	To-do	Work on scenario of Autonomous Driving 1) Create SysML Requirements diagram for this scenario. 2) Create SysML Sequence diagram for this scenario. 3) Create SysML Block diagram for this scenario. Deadline: 07.04.22				
	Status					