NASTROCTORS:
The cide to hazard analysis and risk assessment below.
HA-001 should be for the lase departure warning function as discussed in the lecture.
HA-001 should be for the lase stepsing satisface function and scanced in the lecture.
HA-002 should be for the lase stepsing satisface function and scanced in the lecture.
When finished, organize years and HA-004 rows.
When finished, export your generalished as a pdf file so that a reviewer can easily see your work.

Hazard ID	Situational Analysis							Hazard Identification						Hazardous Event Classification						Determination of ASIL and Safety Goals	
	Operational Mode	Operational Scenario	Environmental Details	Situation Details	Other Details (optional)	Item Usage (function)	Situation Description	Function	Deviation	Deviation Details	Hazardous Event (resulting effect)	Event Details	Hazardous Event Description	Exposure (of situation)	Rationale (for exposure)	Severity (of potential harm)	Rationale (for severity)	Controllability (of hazardous event)	Rationale (for controllability)	ASIL Determination	Safety Goal
HA-001	OM03 - Normal driving	OS02 - City Road	EN02 - Sun blares (degraded view)	SD02 - High speed	Not Applicable	IU01 - Correctly used	Normal driving on a city road, with sumblanes, high speed and correctly used system	Lane Departure Warning (LDW) , function shall apply an oscillating steering torque to provide the driver with haptic feedback	DV04 - Actor effect		EV00 - Collision with other vehicle		The LDW applies the oscillating torque higher than desired	E3 - Medium	Driving in a rainy condition on a highway can happen 1 % to 10 % of average operating time	S3 - Life-threatening or fatal injuries	Collision with other wahicles or objects could be fatal		It is difficult to control when the valicial oversteens at high speed		The oscillating steering toque from the Lane Departure warning should be limited
HA-002	OM03 - Normal driving	OS04 - Highway	EN06 - Rain (slippery road)	SD02 - High speed	Not Applicable	IU02 - Incorrectly used	high speed and correctly used system	Lane Keeping Assistance (LKA) function shall apply the steering torque when active in order to stay in ego lane	DV03 - Function always activated	Lane Keeping Assistance (LKA) function is always activated		The driver treats the function as if it was meant for autonomous driving and eventually does not react when required	The Lane keeping assitance is always activated and the driver stops focusing on the moving car			S3 - Life-threatening or fatal injuries	Collision with other vehicles or objects could be fetal		it is difficult to control when the vehicle oversteens at high speed	С	The Lane Keeping Assistance to be time limited and the additional terque to end after a specific time interval so that the driver does not misuse the system for autonomous driving
HA-003	OM03 - Normal driving	OS09 - Road tunnel	EN01 - Normal conditions	SD02 - High speed	Not Applicable	IU02 - Incorrectly used	conditions, riigh speed and incorrectly used	Lane Keeping Assistance (LKA) function shall apply the steering torque when active in order to stay in ego lane	DV06 - Actor action too early	Lane Keeping Assistance (LKA) function applies the steering torque too early in time	EV00 - Collision with other vehicle	the steering torque too early might lead to	The Lane keeping assitance applies the steering torque causing the driver to loose control of the vehicle	E3 - Medium probability		S3 - Life-threatening or fatal injuries	Collision with other vehicles or objects could be fetal	C3 - Difficult to control or uncontrollable	It is difficult to control when the vehicle oversteens at high speed	с	Lane Keeping Assistance (LKA) function to enable the shering torque based on the maximum distance from the center of the lane and minimum distance from edge of the road
HA-004		OS10 - Road with construction site	EN01 - Normal conditions	SD01 - Low speed	Not Applicable			Lane Departure Warning (LDW) function shall apply an oscillating steering torque to provide the driver with haptic feedback			EV00 - Collision with	With out the Lane Departure warning providing haptic feedback, the driver might potentially oversiteer the vehicle when the Lane Keeping Assistance applies the steering torque in order to keep the vehicle in the ego lane	The driver oversteers the vehicle due to a false negative input from the Lane departure warning system	E2 - Low probability	Driving backward on a road with construction site can happen <1 % of average operating time	S1 - Light and moderate injuries	Low speed collision with other vehicles or objects could cause minor injuries	C1 - Simply controllable	It is manageble when the vehicle oversteers on low speed		When the Lane Departure Warning (LDW) fells the Lane Keeping Assistance should be de-activated