FIE out the hazar distription and risk assessment below. H4-001 should be for the lave disputance wanning injection as discussed in the lecture. Then come up with your cen shaukons and hazards for the lave assessment sprine. Fif in the 16-003 and 14-004 rows. When finishes, accorpt your speciment east a perfit is not in a reviewer can easily so your work.

Hazard ID Skuational Analysis									azard identification						Hazardous Event Classification						Determination of ASIL and Safety Goals		
Haza																							
	Ope	ational Mode	Operational Scenario	Environmental Details	Situation Details	Other Details (optional)	Item Usage (function)	Situation Description	Function	Deviation	Deviation Details	(resulting effect	It Event Details	Hazardous Event Description	(of situation)	Rationale (for exposure)	Severity (of potential harm)	Rationale (for severity)	Controllability (of hazardous event)	Rationale (for controllability)	ASIL Determination	Safety Goal	
HA-0				EN06 - Rain (slippery road) EN01 - Normal conditions	SD02 - High speed SD02 - High speed		IU02 - Incorrectly	high speed and correctly used system. Normal driving on a county road druing normal conditions with	apply an oscillating steering torque to provide the driver with haptic feedback Lane Keeping Assistance (LKA) function shall apply the steering torque when active in order		The LDW function applies an oscillating torque with very high torque/above limits. The LMA does not time limit for applying torque and might therefor be treated as a fully autonomous vehicle.	with other vehicle EV00 - Collision	to steer as intended. The driver could lose control of the vehicle and collide with another vehicle or with road infrastructure. Usages outside of the intended capabilities of the LKA could lead to vehicle collision as		probability E2 - Low probability	roads occur quite frequeently but not daily Misuse of this function is	or fatal injuries	High speeds	C3 - Difficult to control or uncontrollable C3 - Difficult to control	basicly a loss of steering capabilities and thus very difficult to control No hands on the steering wheels	В	The oscillating steering torque from the lane departure warning function shall be limited. The lane keeping assistance function shall be time limited and	
HAIO	3 040	2 - Marmal dissis	os OS04 - Hinhway	EN01 - Normal conditions	SD02 - Hinh sneed		II l01 - Correctly used	high speed and an incorrectly used system.	to stay in ego lane Lane Decenture Warning (LDW) function shall	DV19 - Sensor detection is	Incorrect lains detection - the LDW gives haptic feedback in the middle of the lains.	EV00 - Collision	situations it can not handle might occur. Suprising / annoying haptic feedback can	The I DW function makes an		deemed to be uncommon.	S3 - Life-threatening	Hinh snearts		makes this situation difficult to control. The function is		additional steering torque shall end after a given time interval so that the driver cannot misuse the system for autonomous driving. The LDW shall not active on	
								during normal conditions with high speed and correctly used system.	apply an oscillating stearing torque to provide the driver with haptic feedback.	wrong		with other vehicle	affect driver's ability to steer as intended. Focus might be placed on disactivating the function. The driver could lose correct of the vertices and collide with another vehicle or with road infrastructure.	incorrect lane dection.	probability	highway during normal conditions happens more or less daily for many drivers.	or fatal injuries		controllable	annoying and takes focus from the driving task, but changing the radio station or answerin a call should be of similar difficultiy an more than 99% of the drivers can handle that.		incorrect lane detections.	
HA-0	4 OM0	3 - Normal drivi	ng OS04 - Highway	EN01 - Normal conditions	SD02 - High speed				apply the steering torque when active in order	DV19 - Sensor detection is wrong	Incorrect bane datection - the LKA starts steering out of the lane.	EV00 - Collision with other vehicle	The LKA steers the vehicle into another lane.	The LKA function makes an incorrect lane dection.	probability	Misuse of this function is deemed to be uncommon.	S3 - Life-threatening or fatal injuries		or uncontrollable	No hands on the steering wheels makes this situation difficult to control.	В	The LKA shall not active on incorrect lane detections.	