No.	Hazards	Severity	Causal Factors
1a	System Dysfunction due to failure of Object detection system	Catastrophic	Object detection component failure (camera, radar or motion sensors)
	Malfunctioning of the System due to		Communication error (no signal) Corrupted communication (wrong signal) and
1b	Incorrect input from Object detection System	Catastrophic	Malfunctioning of camera, radar and motion sensors Delayed communication (System will not work on time)
	Incorrect and missing calculation of Vehicle status and collision Probability	Catastrophic	Failure of vehicle sensors Communication error (no signal)
2a	due to Failure or malfunctioning of		Delayed communication (System will not work on time)
	Vehicle Complex sensors		Malfunctioning of sensors (Incorrect values sent by sensors)
	Missing collision warning signal - If rest of the System is working properly then the	Negligible	Inadequate collision assessment algorithm, Failure of warning indicator Malfunctioning of warning indicator, Incomplete controller process model
3a	Active Safety will prevent from collision	00	Failure of collision estimator, Malfunctioning of collision estimator
			Incorrect vehicle or object status, Communication error (no signal) Delayed communication (System will not work on time)
	If Warning stopped too soon then it can	Nagligibla	Failure of warning indicator
3b	cause accident-If everything else will work then the Active Safety will handle the	Negligible	Malfunctioning of warning indicator Communication error
	situation		
	Missing system reset signal can cause	Negligible	Brake pedal sensor failure
4a	collision with divider or other objects due to unwanted auto braking	regiigible	Communication error (no signal) Delayed communication (System will not reset on time and will apply brakes)
	Incorrect brake pressure determination due		Failure of vehicle sensor complex (2a)
5a	to missing vehicle status signal	Catastrophic	induitationing of controller day to incomplete process model
			Communication error (no signal) Delayed communication (System will not work on time)
	Incorrect brake pressure determination due	Catastrophic	Failure of Object detection (1a)
6a	to missing Object status signal	cutustropine	Malfunctioning of collision controller due to incomplete process model Communication error (no signal)
			Delayed communication (System will not work on time)
7a	System Dysfunction due to missing collision assessment signal	Catastrophic	Component failures in Object detection and vehicle complex signal (1a and 2a) Failure of collision probability estimator
			Communication error (no signal)
	System will not work as intended due to		Delayed communication (System will not work on time) Malfunctioning of Collision probability estimator
7b	unsafe (incorrect) Collision Assessment	Catastrophic	Incorrect input by vehicle and object status providers
	Signal		Delayed communication (System will not work on time)
7c	Unwanted/Undesired auto braking due to False collision assessment signal	Moderate	Malfunctioning of Collision probability estimator Malfunctioning of collision controller due to incomplete process model
	Collision with the road divider, other things	Moderate	Malfunctioning of brake controller due to incomplete process model (Incorrect brake
8a	and also vehicle can slip due to Missing Reduce Torque signal	Widdefate	pressure (safe brake pressure) will cause not to send reduce torque signal) Incorrect input by collision-assessment signal (7b)
	1		Communication error (no signal), Delayed communication (System will not work on time)
9a	System Dysfunction due to missing brake signal with appropriate (required)	Catastrophic	Failure of brake Controller components Brake pressure determination fails, Communication error (no signal)
74	pressure	1	Missing collision assessment signal, vehicle and object status signals
~	System failure/malfunctioning as intended	Catastronhia	Incomplete controller process model
9b	due to unsafe (incorrect) Brake signal	Catastrophic	Malfunctioning of collision controller due to incomplete process model Delayed communication (System will not work on time)
	Unwanted/Undesired auto braking due to	Madarit	Malfunctioning of brake controller due to incomplete process model (Generation of false
9c	False Braking signal	Moderate	signal)
10a	System Dysfunction due to missing Apply Brakes signal	Catastrophic	Connection broken between brake pedal and brake actuator Failure of braking system
	5		Communication error (no signal)
10b	False signal due to brake system malfunctioning [Application of automatic	Moderate	Malfunctioning of brake system (generation of false signal)
	brakes with out need] Incorrect brake pressure determination due		Sensor failure
11a	to missing Accelerator signal	Catastrophic	Communication error (no signal)
	System malfunctioning due to Missing		Delayed communication (System will not work on time) Malfunctioning of sensor (Incorrect reading by sensor)
11b	Accelerator Signal	Catastrophic	
	Torque will not be reduced due to missing Change Transmission signal	Catastrophic	Component failure in the Torque Controller Missing reduce torque signal (8)
12a	Change Transmission signal	·r ··	Communication error (no signal)
			Delayed communication (System will not work on time)
	Torque will not be reduced due to missing	Catastrophic	Component failure in the torque controller Malfunctioning of controller due to incorrect process model
13a	limit air or/and fuel supply signal		Missing reduce torque signal (8) Communication error (no signal)
			Delayed communication (System will not work on time)
14a	Torque will not be reduced due to missing Engine Switch off signal	Catastrophic	Component failure in the torque controller Malfunctioning of controller due to incorrect process model
14a		-	Missing reduce torque signal (8) Communication error (no signal)
			Delayed communication (System will not work on time)