Risk Number					Risk Analysis							
Risk Number	**Identify By**	**Category**	**Risk Owner**	**Trigger**	**Qualitatitive Analysis**					**Quantitative Analysis**		
					(The Risk of)	Reasoning (Caused by)	Impact (Resulting in)	Impact	Likelihood	Impact	Risk Score	EMV-Cost
R001	Business Analyst	External	Design Manager	Recent amendmenets in saftey regulations by goverment	Delay in the prototype development.	The new automotive safety regulation	The delayed of development date from Mon 4/3/23 impacting the schedule	Development of alternative prototype delayed by 20 days and increasing the budget by 149K.	7	8	56	Probability = 70% Impact = $160K EMV = $112,000
R002	Quality Analyst	Internal	Project Manager	The Quality Manager was not present during the testing.	delay in the pressure testing of the first prototype	due to quality manager not being available	the delay in development of the second prototype	The scheduled development of the second prototype delayed by 5 days costing additional $ 63,500	5	2	10	Probability = 50 % Impact = $70 K EMV = $35000
R003	Project Manager	Internal	Project Manager	The team comprises of experinced members which would take less time then estimated to complete the task	Completion of the testing before the scheduled time	Early completion of development of the prototypes because of experienced team	Early approval of the prototype and project completing on Dec 11th 2023	The project timeline would be completed 15 days before the scheduled time and decresing the budget by 200,000	9	2	18	Probability =90 % Impact = $70 K EMV = $63000

Probability of Occurrence

Very Unlikely	1
Somewhat unlikely	3
50-50 possibility	5
Somewhat likely	7
Very likely	9

Impact of Risk		Costs	Schedule	Scope	Quality
Very Low	1	0 - $30k	0 - 6 (days)	Scope impact barely discernable	Minor defects in production
Somewhat Low	2	31K - 70K	7 to 13 (days)	Minor areas of scope impaired	Small number of moderate defects in prod
Moderate	4	71K - 100K	14 to 20 (days)	Many minor areas of scope impaired	Moderate number of moderate defects in prod
Somewhat High	6	101K - 130K	21 to 27 (days)	Major areas of scope impaired	High number of moderate defects in prod
High	8	131K - 160K	28 to 35 (days)	Scope reduction unacceptable	Major defects in prod
Extremely High	9	161k+	36+ (days)	Final product undeliverable or useless	Final product is inoperable

1 X I = RS

Thresholds
High - 41-81
Medium - 19-40
Low - 0-18

risk score (R1) = I * L(8*7)	56
risk score (R2) = I * L(2*5)	10
risk score (R3) = I * L(2*9)	18