URStreamSight: RISK ANALYSIS

Project Name

URStreamSight

#	Risk	Description	Prob Factor	Impact Factor	Risk Score
1	Limited Dataset	It is possible if image collection is slow or encounters issues that we would have a limited dataset to train and test classifiers which would limit the quality of the classifier.	0.5	7	3.5
2	Poor Model Quality	If the classifier lacks proper data or is unable to achieve good results in accuracy, recall and precision, due to other reasons the model would be poor quality and the results would be affected,	0.3	8	2.4
3	Insufficient Processing power of onboard computer	With insufficient processing power the computer may struggle to filter image quality locally and require all images to be sent to AWS.	0.3	5	1.5
4	Unstable connection for onboard computer	The stability of the connection for the onboard computer is not guaranteed. This would mean some images may not be sent to AWS or would need to be sent later once it regains connection.	0.5	2	1

| 5 | Poor quality of images captured | The camera quality and the quality of the setup would affect the images captured. If the images were of too poor quality they would not be usable in the dataset and would not be able to be classified later. | 0.3 | 7 | 2.1 |