

Last Updated: 2020-10-16

Summary of Changes:

Removed risk of "Insufficient Processing Power of Onboard Computer" since we will no longer be handling the hardware and the onboard computer will upload all images no not process anything.

Removed risk of 'Unstable Connection for Onboard Computer" since Prairie Robotics will handle hardware and has systems for intermittent connectivity issues.

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	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