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| Risk Matrix | | | | | |
| Car detection project | | | | | |
| Event | Likelihood | Impact | Risk Factor | Management | Risk Category |
| Unable to create an effective model | 8 | 10 | 80 | Research how to create more effective models | Urgent |
| Members do not turn up to meetings | 6 | 5 | 30 | Inform members about the content of the meetings and what they need for the next meeting. | Risk may be acceptable |
| Unavailable hardware | 6 | 4 | 24 | All members have access to google colab which has more than the required hardware for this project. | Risk may be acceptable |
| Focusing on getting the best accuracy possible | 7 | 2 | 14 | Accept our current accuracy and move on to building up other aspects of the system. | Low risk |
| Mis prioritization | 6 | 6 | 36 | Look over all requirements of the system and re-evaluate what needs prioritizing. | Risk may be acceptable |
| A group member is unable to do the work and or is ill | 6 | 7 | 42 | We will follow the code of conduct and assist this member wherever we can | Risk may be acceptable |
| Data is lost | 3 | 9 | 27 | All code and data we create will be uploaded to github. | Risk may be acceptable |
| GitHub is inaccessible | 2 | 8 | 16 | In the event of an emergency where we needed the code now. We could use discord to transfer the files. However members are required by the code of conduct to | Low risk |
| Hardware limitations | 7 | 5 | 35 | If for some reason there are hardware limitations preventing us from achieving a certain goal. Then we will evaluate the need for certain implementations. And go for a preliminary version of the system. Reducing hardware constraints. | Risk may be acceptable |
| Losing access to github | 1 | 8 | 8 | GitHub always can recover your password/account. Therefore unless the victim loses access to their email account as well (Which is highly unlikely) account recover should not be an issue. | Low risk |
| Unrealistic schedualling | 6 | 6 | 36 | Relook over how much time we have and attempt to better estimate how much time should be spent on what aspects of the program. | Risk may be acceptable |
| User interface is difficult to use and or understand. | 4 | 4 | 16 | While this is the first time, we would be developing a UI in python. The program is very simple only requiring a file or image to be sent through. | Low risk |
| Difficulty understanding other’s code. | 9 | 4 | 36 | This shouldn’t be an issue due to the code of conduct stating that members must put comments into their code so that we can all understand it. However should this not be the case members should ask the creator of the code to explain how it works. | Risk may be acceptable |