**Risk Assessment**

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| **Risk No.** | **Risk name** | **Risk Priority** | **Risk Mitigation Steps** |
| 1 | Accuracy of the dataset  (The dataset containing the videos should be from a certified source and should be in a standard format) | High | 1. Search for alternate datasets which are available and which might require the institutional or organizational consent. |
| 2 | Time overrun  (The project might not be completed due to shortage of time ) | Medium | 1. Scheduling should be done taking into account of the feasibility and as to what can be done in the given duration 2. Time slacks should be avoided as when possible |
| 3 | Competing with the existing methodologies  (The proposed or the modified network should be competent enough with the methodologies already existing in the market) | Medium | 1. Literature survey needs to be done on the existing methods in depth and improvements needs to be examined 2. Tackle the drawback of the particular method and measures to overcome it must be taken |
| 4 | Intricate technical complexity & Immature technology  (The technologies pertaining to various stages of analysis must be understood in order to implement it) | High | 1. Certified materials regarding the technologies must be studied and sufficient time allocation needs to be done for this phase 2. System compatibilities must be kept in mind before using the technologies to avoid inconsistency issues |
| 5 | Last minute change requirements  (The changes might arise at the last moment which should be incorporated) | Low | 1. Modular approach must be taken so that adding changes to the code become easier |
| 6 | Hardware Failure  ( Hardware resources especially GPU might fail ) | Low | 1. It is always safer to have the backup of the output of the intermediate steps as it prevents running the code from the start 2. Load on the GPU must be considered before running the code |