WBS and Risk Management Plan

1. Executive Summary

This software mostly works in the process of detecting pedestrians and vehicles and alert beforehand.

Working on the project we estimate a time of about 5-6 months will be required to complete the whole project.

There are few problems and risks that we have to solve in the time given.

1. WBS With Project Schedule

< Assign team members for sub-tasks based on RACI and skill requirement>

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Module (#) | Activity (#) | Sub-Task(#) | Assignee(s) | Planned Start Date | Planned End Date | Actual Start Date | Actual End Date | Status |
| 1 | Body of the software | Coding | Amit | 15.3.21 | 15.6.21 |  |  | Pending |
| 2 | Support system | Structure | Siddhart | 17.3.21 | 22.4.21 |  |  | Pending |
| 3 | Output | Working on the database | Alinjar | 15.2.21 | 22.4.21 |  |  | pending |

1. Risk Identification
   * THIS SOFTWARE COMPLETELY DEPENEDS UPON THE DATA AND PERFORMANCE OF THE SOFTWARE. IF IT IS SLOW THE OUTPUT WILL BE DELAYED.
   * A SLIGHT CHANGE IN LIGHTNING CONDITION CAUSE A SIGNIFICANT CHALLENGE FOR AUTOMATED RECOGNITION AND CAN HAVE A SIGNIFICANT IMPACT ON THE RESULTS.
   * OCCLUSION WHICH MEANS BLOCKAGE AND IT OCCURS WHEN OTHER PARTS OF THE FACE ARE BLOCKED AND THE WHOLE IMAGE IS NOT AVAILABLE AS AN INPUT IMAGE.WHICH INTURN WILL AFFECT THE OUTPUT.
   * INCORRECT CAMERA USED WITH NO FIXED IRIS, HIGH SHUTTER SPEED OR BAND PASS FILTER.
   * IT DOES NOT WORK PROPERLY IF THE SUBJECT MOVES VERY FAST. EXCESSIVE SKEW ANGLES CAUSING RECOGNITION ISSUES MAY LEAD TO SOME ACCIDENTS.
2. List (Describe) Register

|  |  |  |
| --- | --- | --- |
| **Risk ID (#)** | **Risk Description** | **Impact Description** |
| R01 | Poor camera | May result in not identifying the object.  And may lead to accident |
| R02 | Poor visibility | May lead to poor performance |
| R03 | High speed | Poor recognition of the object. |

1. Managing Risk

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Risk ID (#)** | **Status [Open / Closed]** | **Risk Appetite [ Accept/ Mitigate/ Transfer/Avoid]** | **Action** | **Action Owner** | **Target Date** | **Remarks** |
| R01 | Open | Accept | Improving the camera quality |  |  | NULL |
| R02 | Open | Mitigate | Working on it to lessen this fault. |  |  | NULL |
| R03 | Open | Accept | Improving the software |  |  | NULL |