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| **#** | **Possible Error Sources** | **Robustness of the System** |
| 1. | Changes in environmental lighting may cause trouble for image processing. | In image processing HSV is used instead of RGB since color information is much more noisy than HSV information. HSV removes shadows and also provides robustness to lighting changes. |
| 2. | Uneven surfaces can effect the movement abilities of the robot. | The four-wheel drive system ensures that uneven surfaces can be easily travelled upon. |
| 3. | Obtained data from the sensors may be incorrect becaus of the noise in sensors. | Low pass filters are implemented to get rid of the the noise. |
| 4. | Signals can be mixed or lost while combining data from multiple sensors. | A control logic unit provides sensors to work in consistency. |