**LIST OF CONTENTS**

|  |  |  |
| --- | --- | --- |
| **FIGURE NO** | **NAME** | **PAGENO** |
| Figure 1.1 | Hazy image |  |
| Figure 1.2 | Haze free image |  |
| Figure 4.1 | Architectural diagram |  |
| Figure 4.2 | Data flow diagram |  |
| Figure 4.3 | Sequence diagram |  |
| Figure 4.4 | Use case diagram |  |
| Figure 5.1 | Dehazing implementation |  |
| Figure 5.2 | Hazy image J |  |
| Figure 5.3 | Dark channel Jdark |  |
| Figure 5.4 | Transmission t~(x) |  |
| Figure 5.5 | Refined transmission t(x) |  |
| Figure 5.6 | Haze-free image |  |
| Figure 6.1 | Hazy input image |  |
| Figure 6.2 | Corresponding Dark channel |  |
| Figure 6.3 | Corresponding Transmission map |  |
| Figure 6.4 | Corresponding Refined transmission map |  |
| Figure 6.5 | Haze-free image |  |
| Figure 6.6 | GUI |  |
| Figure 6.7 | Visibility metric |  |
| Figure 7.1 – 7.25 | Results |  |