**Test Plan:**

**Low level Test Plan:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test\_ID** | **Description** | **Expected I/P** | **Expected O/P** | **Actual O/P** |
| LLR\_1 | Enable system | Enable to be High | Subsystem to be turned ON | Subsystem is enabled |
| LLR\_2 | To activate Full beam | Headlamp input to be 1 | Headlamp o/p=3 | Headlamp o/p=3 |
| LLR\_3 | To activate Low beam | Headlamp input to be -1 | Headlamp o/p=3 | Headlamp o/p=3 |

**High level Test Plan:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test\_ID** | **Description** | **Expected I/P** | **Expected O/P** | **Actual O/P** |
| HLR\_1 | To activate left indicator | Left\_indicator=1 | Left\_indicator o/p= 1 | Left\_indicator o/p=1 |
| HLR\_2 | To activate Right indicator | Right\_indicator=1 | Right\_indicator o/p= 1 | Right\_indicator o/p = 1 |
| HLR\_3 | To activate both indicators | Hazard=1 | Left\_indicator o/p= 1  Right\_indicator o/p= 1 | Left\_indicator o/p= 1  Right\_indicator o/p= 1 |
| HLR\_4 | To activate brake lights | Brake\_light i/p=1 | Brake\_light o/p=1 | Brake\_light o/p=1 |

**Research:**

<https://youtu.be/jlkS-tPqFPU>

<https://youtu.be/g8LsoAxtkIM>