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| --- | --- |
| **Module Name**  **Design Controls Worksheet – 50 Pts** | **ID: DCW-1** |
| **Due Date: 2/13/2020 11:59 PM, Canvas Upload** |  |

**Date Written –** 1/22/2020

**Date Revised –** 1/22/2020

**Author: Your Name Here**

**Improvement on Existing Design**

**Instructions**: Text in grey highlight should be revised based on your specific needs. There should be no grey highlighted text in your final deliverable, the highlights serve only to indicate regions that will likely need to be edited. This template serves only as an example document, revise to suit the given situation. **Delete this ‘Instructions’ paragraph prior to submission**.

**User Needs**

*User Needs Matrix*

|  |  |
| --- | --- |
| ID | Description |
| UN-1 |  |
| UN-2 |  |
| UN-3 |  |
| UN-4 |  |
| UN-5 |  |

**Design Inputs**

*Requirements Matrix*

|  |  |
| --- | --- |
| Requirement ID | Requirement |
| DI-1 |  |
| DI-2 |  |
| DI-3 |  |
| DI-4 |  |
| DI-5 |  |

**Design Outputs**

*Design Outputs Matrix*

|  |  |
| --- | --- |
| Requirement ID | Requirement |
| DO-1 |  |
| DO-2 |  |
| DO-3 |  |
| DO-4 |  |
| DO-5 |  |

**Design Verification**

*Verification Matrix*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Requirement ID | Description | Expected Value | Measured Value | Pass/Fail |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Design Validation**

*Validation Matrix*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| User Need ID | Description | Expected Value | Measured Value | Pass/Fail |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |