Experiment 1: A submission template

X.Y. Z Roll Number 0000000000

EE-214, WEL, IIT Bombay

January 27, 2021

## Overview of the experiment:

|  |
| --- |
| In two to three paragraphs, summarize  • The purpose of the experiment.  • What you did to perform the experiment.  • Organization of your report and a summary of the data you will be presenting. |

## Approach to the experiment:

|  |
| --- |
| Describe the approach you have used to complete the assignment. You must draw a schematic/block diagram of the design (hand-drawn/software). |

## Design document and VHDL code if relevant:

|  |
| --- |
| You should give a brief description of whatever designs you have constructed and a sketch (architecture of main logic) of the code you have written as part of the experiment. |

## RTL View:

|  |
| --- |
| Attach screen-shot of the RTL view generated by Quartus. |

## DUT Input/Output Format:

|  |
| --- |
| Mention the format (LSB/MSB of input and output) and few test cases from trace-file. |

## RTL Simulation:

|  |
| --- |
| Attach the clearly visible screen-shot of RTL simulation waveforms. |

## Gate-level Simulation:

|  |
| --- |
| Attach the clearly visible screen-shot of Gate-level Simulation. |

## Krypton board\*:

|  |
| --- |
| Map the logic circuit to the Krypton board and attach the images of the pin assignment and output observed on the board (switches/LEDs). |

## Observations\*:

|  |
| --- |
| You must summarize your observations, either in words, using figures and/or tables. |

## References:

|  |
| --- |
| You may include the references if any. |

\* To be submitted after the tutorial on ”Using Krypton.