**EE599 Assignment 2**

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1. **Barrel Shifter**
2. **Systolic Array for Dense Matrix-Matrix Multiplication**
   1. **16x16 design**
3. **Waveform**

The input stream starts at yellow marker and results come out at blue marker.

A screenshot of a computer screen

Description automatically generated

1. **Schematic of elaborated design**

A screenshot of a social media post

Description automatically generated

1. **Schematic of synthesized design**

A screenshot of a cell phone

Description automatically generated

1. **Timing report**

A screenshot of a social media post

Description automatically generated

1. **Utilization report**

A screenshot of a social media post

Description automatically generated

1. **Power report**

A screenshot of a social media post

Description automatically generated

* 1. **32x32 Design**

1. **Waveform**

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**A screenshot of a computer

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