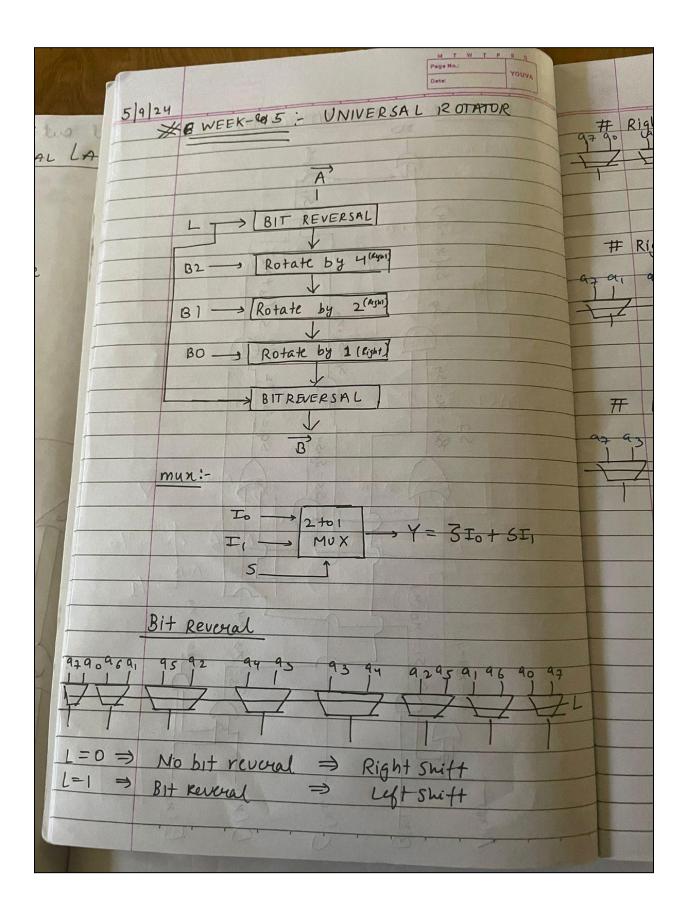
<u>DIGITAL CIRCUITS LAB</u>

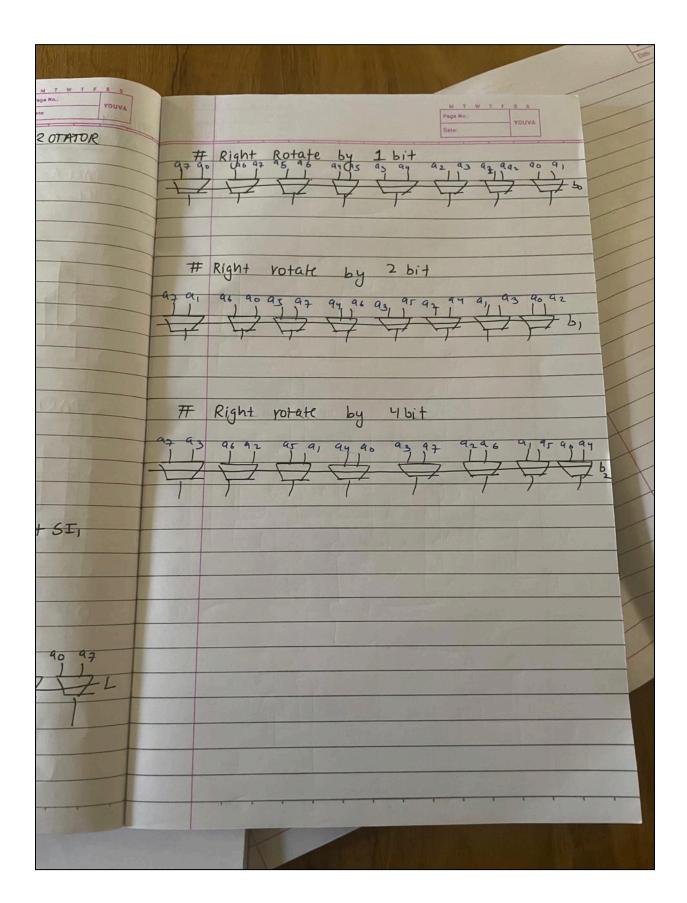
EXP-4 Universal Rotator

September 8,2024

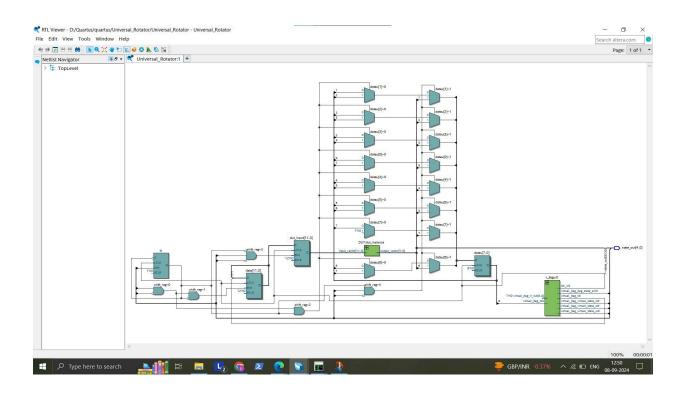
~Dev Arora 23B1271

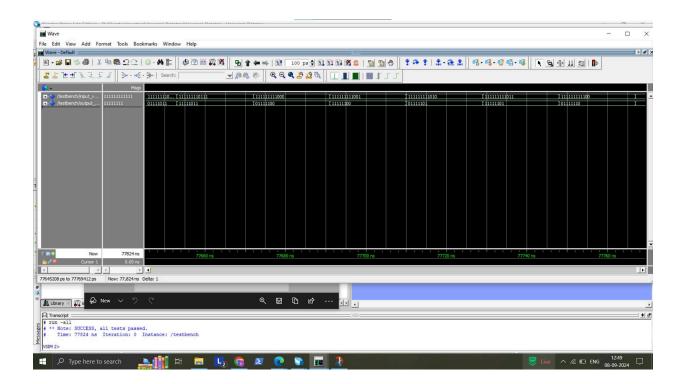
Pen-Paper Design:





Netlists & Simulation Wave:





Testing Terminal:

```
jtag> cable ft2232
Connected to libftd2xx driver.
jtag> _
```

```
jtag> detect
IR length: 10
Chain length: 1
Device Id: 00000011000110000100000011011101 (0x00000000031840DD)
    Manufacturer: Altera
    Part(0): 10M25SAE144
    Stepping: 1
    Filename: d:\quartus\quartus\majority_circuit\xen10_files\urjtag_max10\urjtag\data/altera/10m25sae144/10M25SAE144
jtag> ____
```

ScanChain Outputs:

```
000000000000 00000000 Success
0000000000001 00000001 Success
000000000010 00000010 Success
000000000011 00000011 Success
000000000100 00000100 Success
000000000101 00000101 Success
000000000110 00000110 Success
000000000111 00000111 Success
000000001000 00001000 Success
000000001001 00001001 Success
000000001010 00001010 Success
000000001011 00001011 Success
000000001100 00001100 Success
000000001101 00001101 Success
000000001110 00001110 Success
000000001111 00001111 Success
000000010000 00010000 Success
000000010001 00010001 Success
000000010010 00010010 Success
000000010011 00010011 Success
000000010100 00010100 Success
```