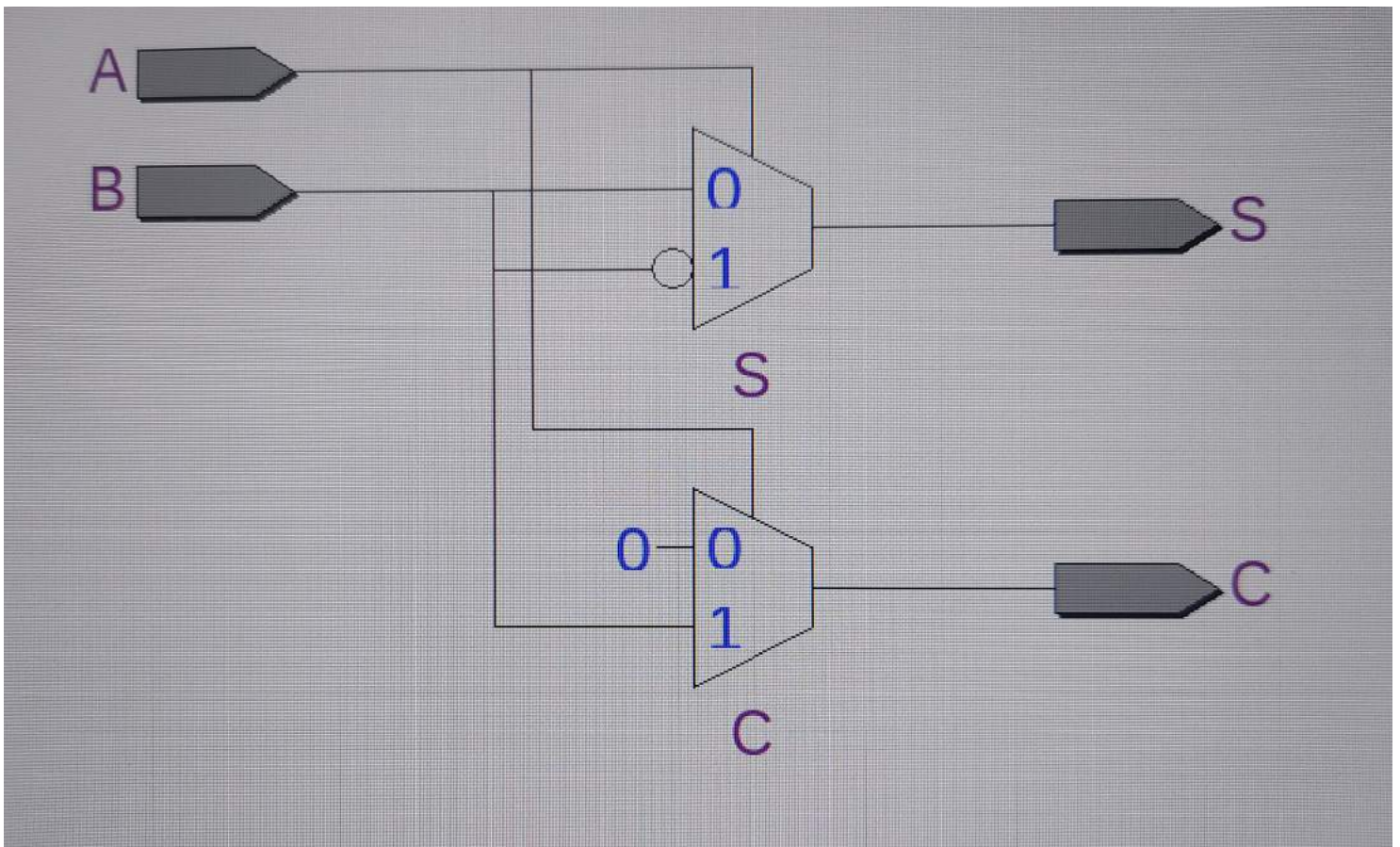
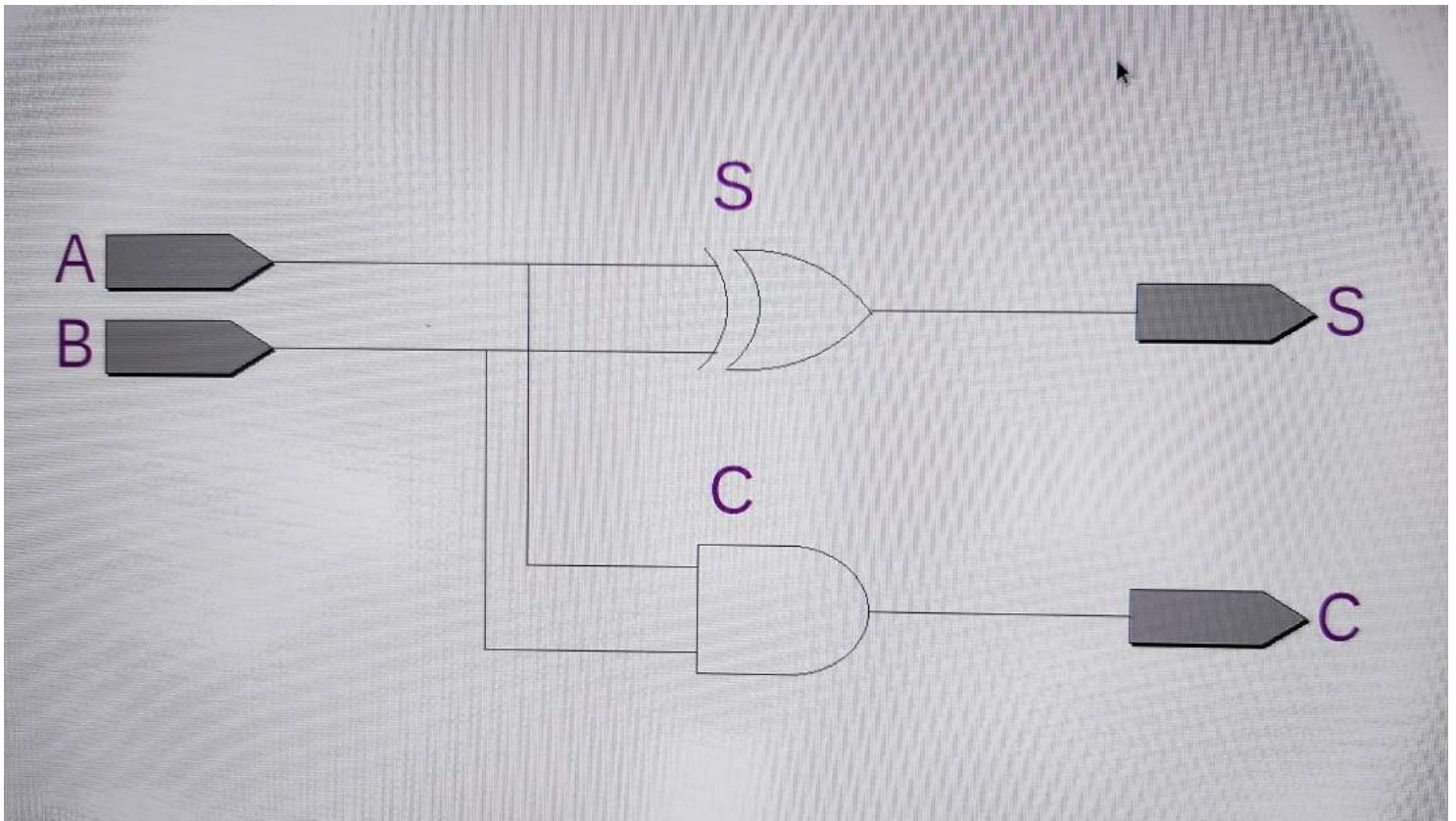
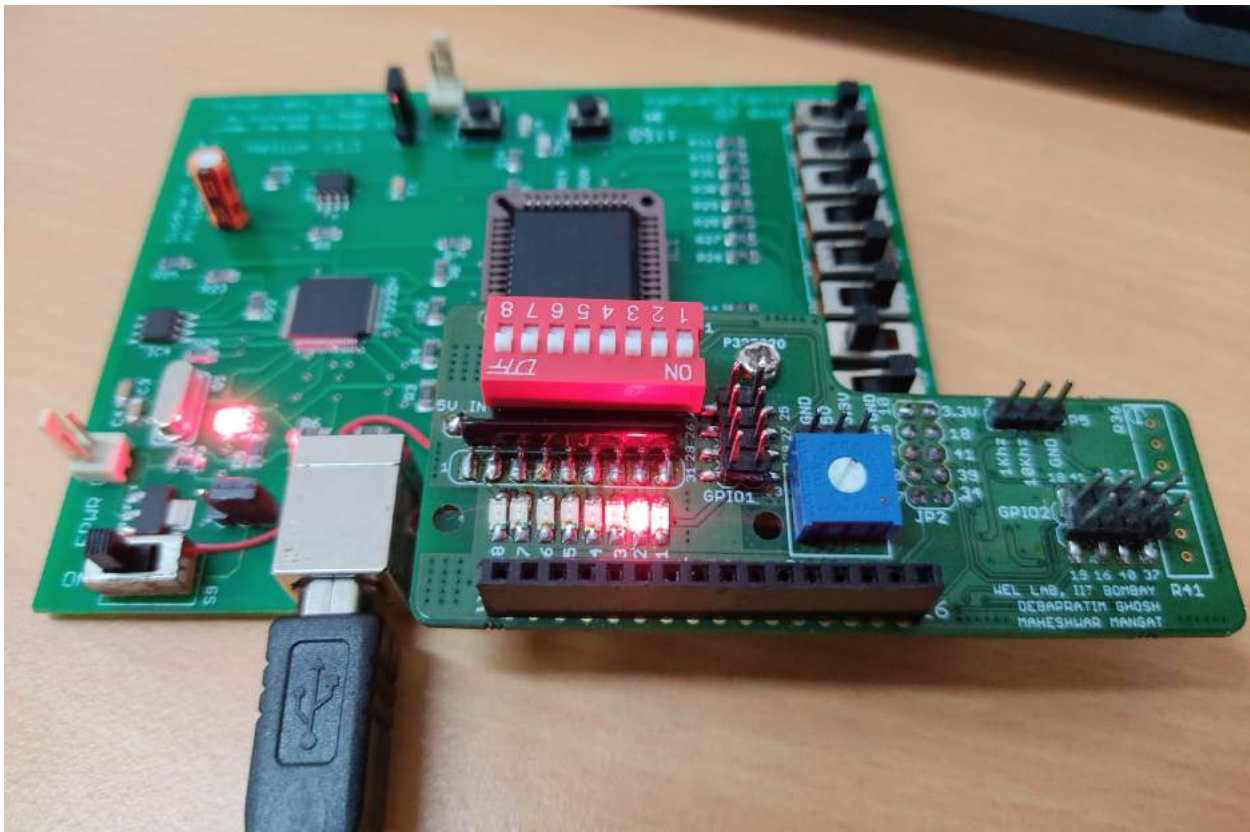


## RTL Images :

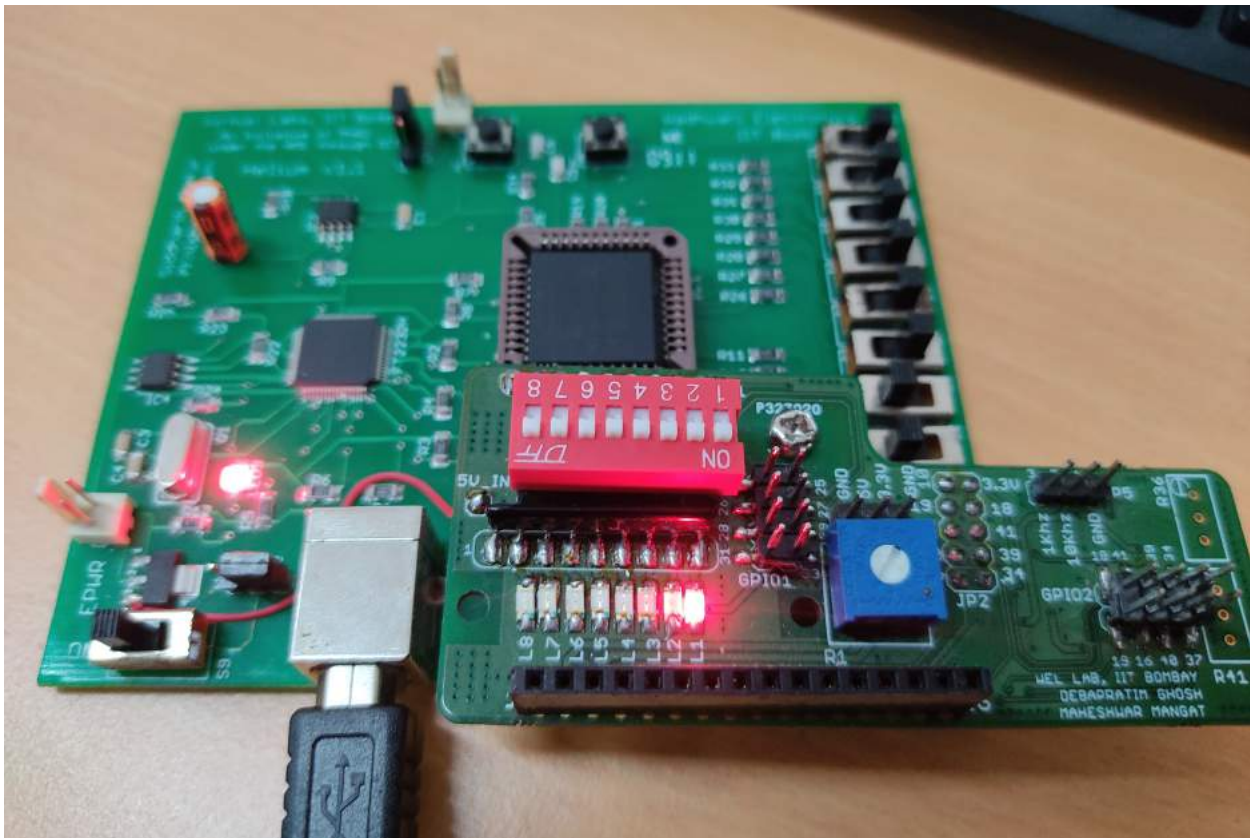




## Circuit and Simulation Snapshots :



$$0 + 1 \rightarrow S = 1, C = 0$$

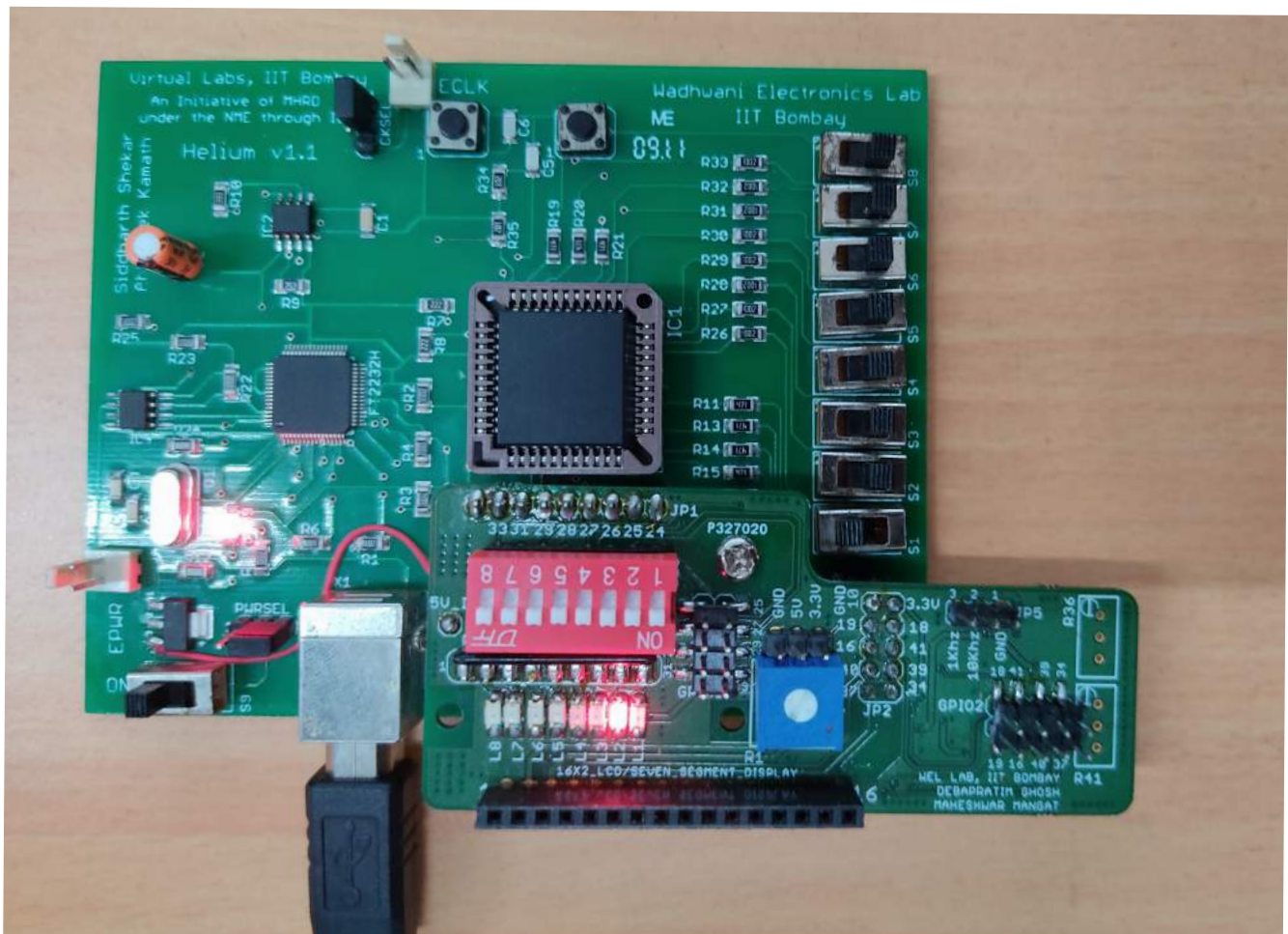


$$1 + 1 \rightarrow S = 0, C = 1$$





$$0 + 0 \rightarrow S = 0, C = 0$$



$$1 + 0 \rightarrow S = 1, C = 0$$