

Combinational and sequential circuit design

Topics Name: Combinational and sequential circuit design

Relevant Course: Digital IC Design

Relevant Department: Electrical Engineering

Relevant Semester: 7th

Pre- requisite: Digital circuits

Course Description - Static CMOS design of combinational circuit elements

- Propagation delay, power consumption
- Static and dynamic latches
- Timing analysis
- Combinational modules: adders, shifters