**III Year II Semester**

**Code: 17EC651**

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### PCB Design using ORCAD

**List of Experiments:**

1. To study the working and construction of half wave and Full wave rectifierusing ORCAD
2. To study the working and construction of full wave bridge rectifierusing ORCAD
3. To analyse Positive and negative clipper circuitusing ORCAD
4. Study of negative and positive clamper circuitusing ORCAD
5. To verify the diode characteristics using ORCAD
6. To verify the BJT characteristics using ORCAD
7. To verify the BJT Amplifier characteristics using ORCAD
8. To implement RC high pass & low pass circuits using ORCAD
9. To implement the given Boolean equation using different gates & verify the outputusing ORCAD
10. To implement the half adder and Full adder using ORCAD
11. To implement NAND  and NOR as universal gateusing ORCAD
12. To designs PCB layoutusing ORCAD